



# STAFF HANDBOOK

**BACHELOR PROGRAM IN FORESTRY  
MULAWARMAN UNIVERSITY**

**2023**



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**Gunung Kelua Campus Jl. Penajam,  
Samarinda, East Kalimantan**



## WELCOME REMARKS

Praise be to Allah, the Most Gracious and Most Merciful, for His abundant blessings and mercy that continue to accompany the dynamics and journey of the Faculty of Forestry at Mulawarman University. May Allah continue to guide and bestow blessings upon all members of the campus community and stakeholders.

As an educational institution deeply committed to quality, we acknowledge the importance of self-assessment as a critical step in understanding the strengths and challenges we face. In this report, we reflect on our achievements while identifying opportunities for improvement to enhance the learning experience for our students.

The process of self-assessment is not merely an obligation but a valuable opportunity to strengthen the foundation of our education. We have diligently endeavored to understand market needs, integrate student feedback, and engage industry stakeholders in curriculum development. Yet, we recognize that the journey towards excellence is an endless one.

In this report, we present a comprehensive overview of our compliance with ASIIN standards, providing detailed explanations of the measures taken to ensure that our educational programs remain relevant, up-to-date, and of high quality.

We invite all stakeholders to provide constructive feedback, acknowledging that we all play a crucial role in building a better future for education. We believe that, through collaboration and a continuous spirit of improvement, we can achieve higher levels of excellence.

Thank you for your attention, and we hope that this report serves as a solid foundation for ongoing improvements.

Samarinda, 2023



*[Signature]*  
Prof. Dr. Rudianto Amirta  
Dean of the Faculty of Forestry  
Mulawarman University



## **PREFACE**

With hearts full of pride, we unveil this tribute to the exceptional faculty of Mulawarman University's Forestry Faculty. This book isn't just a collection of CVs; it's a vibrant tapestry woven from their dedication, expertise, and passion for shaping the future of forestry.

Here, you'll meet the dedicated minds molding tomorrow's foresters, conservationists, and environmental heroes. Discover academic paths, research flames, and legacies in the ever-evolving world of forestry, all within these profiles. From seasoned pioneers to rising stars, each brings a unique perspective and infectious zeal to classrooms and labs, fostering a dynamic space for learning and exploration.

This book transcends a mere list of accomplishments; it's a testament to the unwavering dedication and exceptional talent that define Mulawarman's Forestry Faculty. It serves as a beacon for students seeking guidance and inspiration, a bridge for colleagues to collaborate and learn, and an open door for anyone captivated by the vital role of forests in our shared future.

As you turn these pages, we invite you to discover not just professional achievements but the human faces behind the research, lectures, and transformative field projects. Their stories resonate with both insight and inspiration, a testament to the enduring power of knowledge, unwavering dedication, and a shared commitment to a greener tomorrow.

This compilation embodies the unwavering resolve of the Mulawarman University Forestry Faculty to become a leading force in Asian forestry education. Guided by our vision of excellence, deeply rooted in the boundless potential of tropical forests, we strive to nurture future generations of stewards and ambassadors for our planet's vital green lungs.

May this book be a guiding light, paving the way for a flourishing future for our forests, and through them, our world.

Sincerely,  
Author



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**ACADEMIC STAFFS OF THE FACULTY OF FORESTRY  
MULAWARMAN UNIVERSITY**

| <b>Forest Management</b>         |  |
|----------------------------------|--|
| 1                                | Prof. Dr. Ir. H. Mustofa Agung Sardjono, IPU       |
| 2                                | Prof. Dr. Ir. Yosep Ruslim, M.Sc.                  |
| 3                                | Prof. Dr. Ir. Rujehan, M.P.                        |
| 4                                | Dr. Ir. Bernaulus Saragih, M.Sc.                   |
| 5                                | Ir. H. Hari Siswanto, M.P.                         |
| 6                                | Dr. Ir. Hj. Setiawati, M.P.                        |
| 7                                | Ali Suhardiman, S.Hut.,M.P.,Ph.D                   |
| 8                                | Heru Herlambang, S.Hut., M.P., Ph.D                |
| 9                                | Diah Rakhmah Sari, S.Hut., M.P.                    |
| 10                               | Dr. Emi Purwanti, S.Hut., M.Si.                    |
| 11                               | Ariyanto, S.Hut., M.Sc.                            |
| 12                               | Dr. Rochadi Kristiningrum, S.P., M.P.              |
| 13                               | Choiriatun Nur Annisa, S.Hut., M.For               |
| 14                               | Widia Sri Utami, S.Hut., M.Sc.                     |
| <b>Forest Product Technology</b> |  |
| 1                                | Prof. Dr. Ir. Edy Budiarmo                         |
| 2                                | Prof. Dr. Ir. H. Agus Sulistyono Budi              |
| 3                                | Prof. Dr. Enos Tangke Arung, S.Hut., M.P.          |
| 4                                | Prof. Dr. Rudianto Amirta, S.Hut., M.P.            |
| 5                                | Prof. Dr. Irawan Wijaya Kusuma, S.Hut., M.P.       |
| 6                                | Prof. R.R. Harlinda Kuspradini, S.Hut., M.P., Ph.D |
| 7                                | Dr. Ir. Hj. Isna Yuniar Wardhani, M.P.             |
| 8                                | Ir. Hj. Nani Husien, M.Sc.                         |
| 9                                | Ir. Kusno Yuli Widiati, M.P.                       |
| 10                               | Dr. Wiwin Suwinarti, S.Hut., M.P.                  |
| 11                               | Ir. Sri Asih Handayani, M.P.                       |
| 12                               | Zainul Arifin, S.Hut.,M.P.                         |
| 13                               | Dr. Ir. Enih Rosamah, M.Sc.                        |
| 14                               | Ir. Erly Rosita, M.P.                              |
| 15                               | Jufriah, S.Hut., M.P.                              |
| 16                               | Dr. Erwin, S.Hut., M.P.                            |
| 17                               | Irvin Dayadi, S.Hut., M.P.                         |
| 18                               | Rindayatno, S.Hut., M.P.                           |
| 19                               | Dr. Hut. Yuliansyah, S.Hut., M.P.                  |
| 20                               | Agus Nur Fahmi, S.Hut., M.P.                       |
| 21                               | Agmi Sinta Putri, S.Si., M.Hut                     |
| 22                               | Muhammad Rosyid Ridho, S.Hut., M.Sc                |
| 23                               | Muhammad Taufiq Haqiqi, S.Hut., M.Sc               |
| <b>Silviculture</b>              |  |
| 1                                | Prof. Dr. Ir. Hj. Marjenah, M.P.                   |
| 2                                | Ir. Sukartiningsih, M.Sc., Ph.D                    |
| 3                                | Ir. Darul Aksa, M.P.                               |
| 4                                | Dr.rer.nat. Harmonis, S.Hut., M.Sc.                |
| 5                                | Dr.Ir. Syahrudin, M.Sc.                            |



|   |   |
|---|---|
| 6   | Dr. Ir. Wahjuni Hartati, M.P.                     |
| 7   | Kiswanto, S.Hut., M.P., Ph.D.                     |
| 8   | Dr. Ir. Ibrahim, M.P.                             |
| 9   | Marya Tiara Hapsari, S.Hut., M.Sc                 |
| 10  | Fitria Dewi Kusuma, S.Hut., M.Sc                  |
| 11  | Fenny Putri Mariani Sofyan, S.Hut., M.Hut         |
| <b>Forest Resource and Ecosystem Conservation</b> |   |
| 1   | Prof.Dr.Ir. Marlon I. Aipassa, M.Agr.             |
| 2   | Prof. Dr.Ir. Sigit Hardwinarto, M.Agr.            |
| 3   | Prof. Dr.Ir. Paulus Matius, M.Sc.                 |
| 4   | Prof. Dr. Karyati, S.Hut.M.P.                     |
| 5   | Dr.Ir.H. Chandradewana Boer                       |
| 6   | Ir. Rita Diana, M.A.                              |
| 7   | Ir. Sri Sarminah, M.P.                            |
| 8   | Dr. Sutedjo                                       |
| 9   | Ir.Hj. Hastaniah, M.P.                            |
| 10  | Yaya Rayadin, S.Hut.,M.P.,Ph.D                    |
| 11  | Dr. Ir. H. Triyono Sudarmadji, M.Agr.             |
| 12  | Dr. Rachmat Budiwijaya Suba, S.Hut.,M.Sc.         |
| 13  | Yohanes Budi Sulistioadi, S.Hut.,M.Sc.,M.S.,Ph.D. |
| 14  | Rustam, S.Hut.,M.P.                               |
| 15  | Muhammad Syafrudin, S.Hut.,M.Sc.                  |
| 16  | Alber Laston Manurung, S.Hut.,M.For,              |
| 17  | Mochamad Syoim, S.Hut.,M.P.                       |
| 18  | Rachmad Mulyadi, S.Hut.                           |



**Name** Prof. Dr. Ir. H. Mustofa Agung Sardjono, IPU  
**Position** Full Professor

| Academic Career | Doctoral Degree          | University                                 | Year |
|-----------------|--------------------------|--|------|
|                 | Forestry Science (Dr.)   | Hamburg University, Germany                | 1991 |
| Academic Career | Master Degree            | University                                 | Year |
|                 | -                        | -  | -    |
| Academic Career | Undergraduate degree     | University                                 | Year |
|                 | Forestry Science (Ir.)   | Faculty of Forestry, Mulawarman University | 1982 |
| Academic Career | Diplome Degree           | University                                 | Year |
|                 | Forest Engineering (IPU) | Faculty of Forestry, IPB University        | 2020 |

| Employment | Position | Employer                                   | Period         |
|------------|----------|--|----------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 1983 - present |

| Research and development projects over the last 5 years | Name of project or research focus  | Funding Sources                      | Period    |
|---|--|--------------------------------------|-----------|
|   | Strengthening and Developing The Forest Management Units (FMU) in East Kalimantan 2017 - 2019              |                                      | 2017-2019 |
|   | Formulation of Regional Development Planning of East Kalimantan 2018                                       |                                      | 2018      |
|   | Social Mapping of Candidate Locations for Accelerated Mangrove Rehabilitation in North Kalimantan Province | Mangrove and Peat Restoration Agency | 2021      |
|   | Social Mapping of Candidate Locations for Accelerated Mangrove Rehabilitation in East Kalimantan Province  | Mangrove and Peat Restoration Agency | 2022      |





Formulation of Action Plan of Climate Change Adaptation of East Kalimantan Province 2023-2030 2023

Draft Formulation of Regulation of Capital City Authority (OIKN) on the issues of Coastal and Small Islands Management; Land Rehabilitation and Restoration; Integrated Watershed Management; and Land Occupation Resolution Capital City Authority (OIKN) present

| Industry collaborations over the last 5 years | Patners, if applicable  |          |        |
|---|---|----------|--------|
|   | Amount of financing   | Partners | Period |
|   | -   | -        | -      |
| Patents and proprietary rights                | Titles  |          |        |
|   |   |          | Year   |
|   |   |          | -      |
| Important publications over the last 5 years  | Selected recent publications from a total of approx (give total number):  |          |        |
|   | <ol style="list-style-type: none"> <li>Potensi agroforestri di Desa Mara Satu Kabupaten Bulungan Provinsi Kalimantan Utara</li> <li>Locating the unique biodiversity of Balikpapan Bay as an ecotourism attraction in East Kalimantan, Indonesia</li> <li>Benefit sharing schema from the forest: Identifying potential distributions to customary communities in Teluk Bintuni district, Indonesia</li> <li>Social Contracts: Pillars of Community Conservation Partnerships in Lore Lindu National Park, Indonesia</li> <li>Potensi Penarik Dari Puriduta Arboretum Sempaja Sebagai Media Pendidikan Lingkungan Hidup</li> <li>Strategi Adaptasi Masyarakat Kutai Menghadapi Perkembangan Pembangunan Ekonomi Berbasis Sda (Studi Kasus: Wilayah Kedang Ipil, Kutai Kartanegara ...</li> <li>Contribution of Agroforestry to Total Farmers' Revenue in Long Beluah Village, North Kalimantan Province-Indonesia</li> <li>Tenurial Conflicts Within Protected Forest Management Unit (PFMU) of Tarakan, North Kalimantan</li> <li>Modal sosial dalam mendukung program perhutanan sosial (kasus di HTR Kecamatan Batu Ampar, Kutai Timur</li> <li>Development Aspect of Bengalon Production Forest Management Unit in Kutai Timur Regency</li> </ol> |          |        |



11. Higher education transformation in Indonesia during COVID-19 pandemic: implementation in Mulawarman University
12. Analysis of the Parties Role on Stabilizing the Lore Lindu National Park Buffer Area (Case Study in Lembah Bada Villages, Lore Barat District, Poso Regency, Central Sulawesi)
13. Pendekatan Keadilan dan Keamanan dalam Pembagian Manfaat Hutan Produksi Berbasis Masyarakat Hukum Adat di Papua Barat

| Activities<br>specialist<br>bodies over the<br>last 5 years | in | Organization  |   | Role   | Periode        |
|---|----|---|---|--------|----------------|
|   |    |   |   |        |                |
|   |    | Persatuan<br>Kehutanan<br>(PERSAKI) -<br>Forestry<br>Federation         | Sarjana<br>Indonesia<br>Indonesian<br>Graduates | member | 1982 – present |
|   |    | Persatuan<br>Indonesia<br>Indonesian<br>Federation                      | Insinyur<br>(PII) -<br>Engineer                 | member | 2020 – present |
|   |    | Masyarakat<br>Indonesia<br>Indonesian<br>Community                      | Agro-Forestri<br>(MAFI) -<br>Agroforestry       | member | 2020 – present |
|   |    | Kommunitas<br>Hutan<br>(KOMHINDO)<br>Indonesian<br>Management Community | Manajemen<br>Indonesia<br>-<br>Forest           | member | 2021 – present |



**Name** Prof. Dr. Ir. Marlon I. Aipassa, M. Agr.

**Position** Full Professor

**Academic Career**

| Doctoral Degree      | University            | Year |
|----------------------|-----------------------|------|
| Master Degree        | University            | Year |
|                      | Universitas Indonesia | 2001 |
| Undergraduate degree | University            | Year |
|                      | Mulawarman University | 1983 |

**Employment**

| Position | Employer                                      | Period       |
|----------|---|--------------|
| Lecturer | Faculty of Forestry,<br>Mulawarman University | 1981-present |

**Research and development projects over the last 5 years**

| Name of project or research focus | Funding Sources | Period |
|-----------------------------------|-----------------|--------|
| Partners, if applicable           |                 |        |
| Amount of financing               |                 |        |

**Industry collaborations over the last 5 years**

| Project Titles | Partners | Period |
|----------------|----------|--------|
|                |          |        |

**Patents and proprietary rights**

| Titles | Year |
|--------|------|
|        |      |

**Important publications over the last 5 years**

Selected recent publications from a total of approx (give total number):

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|              |      |         |



**Name** Prof. Dr. Ir. Edy Budiarmo  
**Position** Full Professor

| Academic Career | Doctoral Degree | University         | Year |
|-----------------|-----------------|--------------------|------|
|                 | Wood Physics    | Hamburg University | 1996 |
|                 | Master Degree   | University         | Year |

|            | -                    | -                     | -              |
|------------|----------------------|-----------------------|----------------|
| Employment | Undergraduate degree | University            | Year           |
|            | Forest Product       | IPB University        | 1984           |
|            | Position             | Employer              | Period         |
|            | Lecturer             | Mulawarman University | 1985 - Present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Industry collaborations over the last 5 years | Partners, if applicable | Project Titles | Partners | Period |
|---|-------------------------|----------------|----------|--------|
|   | Amount of financing     | -              | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Important publications over the last 5 years | Selected recent publications from a total of approx (8):  |
|--|---|
|  | <ol style="list-style-type: none"> <li>Bioethanol production from cassava peel by ultrasonic assisted using HCl as catalyst (2019)</li> <li>Increased Benefits of <i>Calamus manan</i> Miq. Fruit by Its Potential Bioactivity (2021)</li> <li>Preservation of Pulai Wood (<i>Alstonia scholaris</i> L. Br) with Natural Preservative Fruit Extracts <i>Orania Palindan</i> (Blanco) Merr (2021)</li> <li>The Potential of Katuk Hutan (<i>Phyllanthus reticulatus</i>) as a Medicinal Plant (2021)</li> <li>Optimal Thickness and Heating Time Based on Physical and Mechanical Properties of Densified Sengon Board (2021)</li> </ol> |



6. Analysis of Peeling Results of Red Meranti Wood Types on a Spindleless Rotary Lathe Machine at PT Rimba Raya Lestari, Kutai Kartanegara, East Kalimantan (2021)
7. Antimicrobial and Antioxidant Medicinal Plants in Kwau Village and Silau Villlage, Warmare District, Manokwari District, West Papua (2021)
8. Pengawetan kayu sengon (*Paraserianthes falcataria* (L) Nielsen) menggunakan oli bekas dengan metode perendaman dingin (2022)
9. Literasi Warga Desa Purwajaya, Terhadap Temuan dan Pemanfaatan Fosil Kayu (2022)

**ties in specialist  
bodies over the  
last 5 years**

| Organization | Role   | Periode        |
|--------------|--------|----------------|
| MAPEKI       | Member | 2000 – Present |
| IWORS        | Member | 2000 – Present |



**Name** Prof. Dr. Ir. Agus Sulisty Budi  
**Position** Full Professor

| Academic Career | Doctoral Degree | University         | Year |
|-----------------|-----------------|--------------------|------|
|                 | Wood Biology    | Hamburg University | 1993 |
| Academic Career | Master Degree   | University         | Year |

|            | -                    | -                     | -            |
|------------|----------------------|-----------------------|--------------|
| Employment | Undergraduate degree | University            | Year         |
|            | Forestry             | Mulawarman University | 1984         |
| Employment | Position             | Employer              | Period       |
|            | Lecturer             | Mulawarman University | 1985-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Industry collaborations over the last 5 years | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|------------------------|---------------------|----------------|----------|--------|
|   | -                      | -                   | -              | -        | -      |

| Patents and proprietary rights | Titles   | Year |
|--------------------------------|--|------|
|                                | Buku: Struktur dan Penggolongan Kayu Famili Sapotaceae | 2022 |

| Important publications over the last 5 years | Selected recent publications from a total of approx (give total number):   |
|--|--|
|  | <ol style="list-style-type: none"> <li>1. The History of The Development of Family Group Taxa in Sapotaceae (2023)</li> <li>2. Karakteristik anatomi tiga jenis kayu asal Sulawesi Tengah (2023)</li> <li>3. Increased MOE and MOR values of densified boards using MOR/MOE and MOR/MOE ratios (2021)</li> <li>4. Characteristics of Fossil Wood from Loa Tebu Kutai Kertanegara, East Kalimantan (2023)</li> <li>5. Microscopic Properties of Wood Fossils From Manunggal Jaya Village Kutai Kartanegara Regency (2023)</li> <li>6. Literasi Warga Desa Purwajaya, Terhadap Temuan dan Pemanfaatan Fosil Kayu (2022)</li> <li>7. Analisa kerapatan dan kadar abu pada kayu kapur (<i>Dryobalanops sp.</i>) yang terinfeksi jamur pelapuk putih (<i>Schizophyllum commune</i>) (2022)</li> </ol> |

1. The History of The Development of Family Group Taxa in Sapotaceae (2023)
2. Karakteristik anatomi tiga jenis kayu asal Sulawesi Tengah (2023)
3. Increased MOE and MOR values of densified boards using MOR/MOE and MOR/MOE ratios (2021)
4. Characteristics of Fossil Wood from Loa Tebu Kutai Kertanegara, East Kalimantan (2023)
5. Microscopic Properties of Wood Fossils From Manunggal Jaya Village Kutai Kartanegara Regency (2023)
6. Literasi Warga Desa Purwajaya, Terhadap Temuan dan Pemanfaatan Fosil Kayu (2022)
7. Analisa kerapatan dan kadar abu pada kayu kapur (*Dryobalanops sp.*) yang terinfeksi jamur pelapuk putih (*Schizophyllum commune*) (2022)



8. Struktur makroskopis dan mikroskopis fosil kayu asal Desa Bangun Rejo, Kabupaten Kutai Kartanegara (2022)
9. The Existence of Reaction Wood on Branch of Teak Wood (*Tectona grandis* Linn. F) (*Macroscopical Characteristics*) (2021)
10. Optimal Thickness and Heating Time Based on Physical and Mechanical Properties of Densified *Sengon* Board (2021)
11. Analysis of Peeling Results of Red Meranti Wood Types on a Spindleless Rotary Lathe Machine at PT Rimba Raya Lestari, Kutai Kartanegara, East Kalimantan (2021)
12. Wood Macroscopic and Fiber Dimensions of Pasak Bumi Root (*Eurycoma longifolia*) (2021)
13. Ciri Makroskopis, Kekerasan dan Berat Jenis Fosil Kayu Asal Desa Purwajaya Kutai Kartanegara (2021)

| Activities in specialist bodies over the last 5 years | Organization | Role   | Periode        |
|---|--------------|--------|----------------|
|   |              | MAPEKI | Member         |
|   | IWORS        | Member | 2000 – Present |



**Name** Prof. Dr. Ir. Sigit Hardwinarto, M. Agr.  
**Position** Full Professor

| Academic Career | Degree          | University        | Year |
|-----------------|-----------------|-------------------|------|
|                 | Doctoral Degree | Kyushu University | 1996 |
|                 | Master Degree   | University        | Year |

| Employment | Undergraduate degree | University                                 | Year         |
|------------|----------------------|--|--------------|
|            | Position             | Employer                                   | Period       |
|            |                      | Universitas Gadjah Mada                    | 1985         |
|            | Lecturer             | Faculty of Forestry, Mulawarman University | 1986-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   |                                   |                 |        |

| Industry collaborations over the last 5 years | Partners, if applicable | Amount of financing | Period |
|---|-------------------------|---------------------|--------|
|   | Project Titles          | Partners            | Period |
|   |                         |                     |        |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                |        |      |

**Important publications over the last 5 years** Selected recent publications from a total of approx (give total number):

| Activities in specialist bodies over the last 5 years | Organization | Role | Periode |
|---|--------------|------|---------|
|   |              |      |         |





**Name** Prof. Dr. Ir. Yosep Ruslim, M.Sc.  
**Position** Full Professor

| Academic Career   | Doctoral Degree   | University                                 | Year           |
|---|---|--|----------------|
|   | Forest harvesting (Dr.)   | Goettingen University, Germany             | 1994           |
| Academic Career   | Master Degree   | University                                 | Year           |
|   | Forest harvesting (M.Sc.)   | Goettingen University, Germany             | 1992           |
| Academic Career   | Undergraduate degree  | University                                 | Year           |
|   | Forest management (Ir.)   | Faculty of Forestry, Mulawarman University | 1985           |
| Employment  | Position  | Employer                                   | Period         |
|   | Lecturer  | Faculty of Forestry, Mulawarman University | 1986 – Present |
|   | Head of Forest Planning and Harvesting Laboratory   | Faculty of Forestry, Mulawarman University | 2015 – Present |
|   | Editor team Jurnal Hutan tropis (Ulin)  | Faculty of Forestry, Mulawarman University | 2022 – Present |
| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources                            | Period         |
|   | -   | -  | -              |
| Industry collaborations over the last 5 years           | Partners, if applicable   |  |                |
|   | Amount of financing   |  |                |
| Patents and proprietary rights                          | Project Titles  | Partners                                   | Period         |
|   | -   | -  | -              |
| Patents and proprietary rights                          | Titles  |  | Year           |
|   | Alat penarik kayu-log yang dilengkapi dengan penutup gear untuk keselamatan operator, Yosep Ruslim, Ruspita Sihombing |  | 2020           |
| Important publications                                  | Selected recent publications from a total of approx (37):   |  |                |

**over the last 5  
years**

Community forest management: Comparison of simulated production and financial returns from agarwood, tengkawang and rubber trees in West Kutai, Indonesia (Biodiversitas Journal, 2018).

1. Kehadiran dan Keragaman Herba-Liana Sebagai Sumber Pakan Satwa Liar Di Kawasan Reklamasi Pasca Tambang Batubara PT Kideco Jaya Agung, Paser, Kalimantan Timur (Jurnal Penelitian Ekosistem Dipterokarpa, 2018).
2. The prospect of the utilization of Non-Timber Forest Products from Setulang Village forest based on local knowledge of the Uma Longh community in Malinau, North Kalimantan, Indonesia (Biodiversitas Journal, 2018).
3. Financial analysis of dipterocarp log production and rubber production in the forest and land rehabilitation program of Sekolaq Muliaq, West Kutai District, Indonesia (Biodiversitas Journal, 2018).
4. Plant diversity in traditional fruit gardens (munaans) of Benuaq and Tunjung Dayaks tribes of West Kutai, East Kalimantan, Indonesia (Biodiversitas Journal, 2018).
5. Economic valuation from direct use of mangrove forest restoration in Balikpapan Bay, East Kalimantan, Indonesia (Biodiversitas Journal, 2019).
6. Valuasi ekonomi dari pemanfaatan langsung restorasi hutan bakau di Teluk Balikpapan, Kalimantan Timur, Indonesia. (F1000Research, 2019).
7. Model of Community Forest Land Management Production and Financial Simulation of Super Teak, Solomon Teak and Sungkai Trees in Samboja Kutai Kartanegara East Kalimantan, Indonesia (Energy and Environment Research, 2019).
8. Analisis Peluang Usaha Bagi Hasil Hutan Tanaman Jenis Eucalyptus pellita F. Muell Dan Acacia mangium Willd Di Kabupaten Kutai Kartanegara Provinsi Kalimantan Timur. (Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, 2019).
9. Kesesuaian Tiga Jenis Padi Lokal Pada Lahan Ladang Gilir Balik Berdasarkan Masa Bera Lahan Di Desa Setulang Kabupaten Malinau. (Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, 2019).
10. Perilaku Bersarang Orang Utan Morio (*Pongo pygmaeus morio*) Pada Habitat Di Sekitar Sungai Sanggata Kanan (Jurnal Penelitian Ekosistem Dipterokarpa, 2019).
11. Pengembangan Bontang Mangrove Park Sebagai Model Perlindungan Ekosistem Mangrove Di Taman Nasional Kutai Dan Dampaknya Terhadap Perubahan Tutupan Lahan (Jurnal Penelitian Ekosistem Dipterokarpa, 2019).
12. Inventarisasi Tumbuhan Tingkat Pancang dan Semai Berkhasiat Obat di Lembo yang Digunakan oleh Suku Dayak Tunjung Kampung Ngenyan Asa Kecamatan Barong Tongkok Kabupaten Kutai Barat. (Jurnal Pertanian Terpadu, 2019).
13. Carbon stocks of *Rhizophora apiculata* and *Sonneratia alba* of mangrove forest in Ngurah Rai Forest Park, Bali Province, Indonesia. Journal of Biodiversity and Environmental Science (JBES), 2020.
14. Productivity of three varieties of local upland rice on swidden agriculture field in Setulang village, North Kalimantan, Indonesia (Biodiversitas Journal, 2020).
15. Carbon absorbtion of *Anthocephalus macrophyllus* and *Swietenia macrophylla* King in Gorontalo, Indonesia (Biodiversitas Journal, 2020).



16. The ecology, productivity and economic of swiftlet (*Aerodramus fuciphagus*) farming in Kota Bangun, East Kalimantan, Indonesia (Biodiversitas Journal, 2020).
17. The characteristics of *Shorea macrophylla*'s habitat in Tane' Olen, Malinau District, North Kalimantan Province, Indonesia (Biodiversitas Journal, 2020).
18. Potential analysis of location, socio-culture and biodiversity as ecotourism attraction in Valentine Bay on Buano Island, West Seram, Maluku, Indonesia (Biodiversitas Journal, 2021).
19. Estimation of Above Ground Biomass and carbon stocks of *Tectona grandis* and *Gmelina arborea* stands in Gorontalo Province, Indonesia (Biodiversitas Journal, 2021).
20. Analisis Titik Impas Pembuatan Sirup Pedada (*Sonneratia caseolaris* L) Pojok Sadar Wisata Tiram Tambun Di Kelurahan Mentawir. (Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, 2021).
21. Setulang forest conservation strategy in safeguarding the conservation of non-timber forest products in Malinau. (IOP Conf. Series: Earth and Environmental Science, 2018).
22. Analysis Growth and Macro Hara Elements Jabon (*Anthocephalus cadamba*), JATI (*Tectona grandis*) in Gorontalo. (IOP Conf. Series: Earth and Environmental Science, 2019).
23. Locating the unique biodiversity of Balikpapan Bay as an ecotourism attraction in East Kalimantan Indonesia, Penulis: Karnila Willard, Marlon I Aipassa, Mustofa Agung Sardjono, Rujehan, Yosep Ruslim, Rochadi Kristiningrum, Nama Jurnal: Biodiversitas, Volume 23, Nomor 5, tahun terbit 2022, Halaman: 2342-2357, ISSN: 1412-033X, E-ISSN: 2085-4722, Penerbit: Biodiversitas (2022)
24. Strategic design for sustainable tourism managemen on Pangempang Beach, Seminar/Konferensi/Simposium: ICTAF, Penyelenggara Seminar/Konferensi/Simposium: Fakultas Pertanian Unmul, Waktu Pelaksanaan Seminar/ Konferensi/Simposium: 2021, Penerbit: Atlantis Press (2022)
25. Forest Fire Control Model in Sungai Wain Protection Forest Ecosystem, East Kalimantan, Indonesia. Symposium on Tropical Studies (JSTS-19), 2021.
26. Analysis of land cover change due to mining and its potential economic loss: A case study in the Bukit Soeharto Forest Park, East Kalimantan Indonesia, Nama Penulis: Sunarto, Marlon I. Aipassa, Rujehan, Ali Suhardiman, Rochadi Kristiningrum, Yosep Ruslim, Wulan IR Sari, Nama Jurnal: Biodiversitas, Volume 24, Nomor 2, tahun terbit 2023, Halaman: 1206-1214, ISSN: 1412-033X, E-ISSN: 2085-4722, Penerbit: Biodiversitas (2023).
27. Participation of community in mangrove conservation in coastal area of the Valentine Strait, West Seram, Maluku, Indonesia (Biodiversitas Journal, 2023).
28. Perhitungan Kebutuhan Dan Pemetaan Ruang Terbuka Hijau Di Kota Bontang (Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, 2023).
29. Analisis Strategi Program Pascatambang Peternakan Sapi Pada Lahan Bekas Tambang PT Kitadin Site Embalut. (Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, 2023).
30. Strategi Pengembangan Ekowisata Hutan Mangrove PT Inhutani I Unit Batu Ampar – Mentawir Kelurahan Mentawir Kecamatan Sepaku Kabupaten Penajam Paser Utara. (Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, 2023).



31. Identifikasi Mahang (*Macaranga gigantea*) Dan Puspa (*Schima wallichii*) Menggunakan Foto Drone Di KHDTK Diklat Kehutanan, Fakultas Kehutanan, Universitas Mulawarman. (Jurnal Pertanian Terpadu, 2023).
32. Evaluasi Status Mutu Air Sungai Samboja di Kecamatan Samboja Barat Kabupaten Kutai Kartanegara. (Jurnal Pertanian Terpadu, 2023).
33. Respon pertumbuhan *Acacia crassicarpa* A.Cunn. Ex Benth. terhadap pemberian pupuk cair yang berbeda di persemaian PT Mayawana Persada, Pontianak, Kalimantan Barat. (Jurnal Hutan Tropis: Ulin, 2023).
34. Pelatihan Penebangan dan Penyaradan Kayu Dengan Menggunakan Mesin Pancang Tarik (*Monocable-winch*). (Jurnal Abdiku, 2023).
35. Pelatihan Penebangan dan Penyaradan Kayu Dengan Menggunakan Mesin Pancang Tarik (*Monocable-winch*). (Jurnal Abdiku, 2023).
36. Analisis finansial dan strategi pengembangan usaha budidaya burung walet (*Aerodramus fuciphagus*) (Studi Kasus: Desa Pela Kecamatan Kota Bangun Kabupaten Kutai Kartanegara). (Jurnal Hutan Tropis: Ulin, 2023).

Book:

Prospek Pengembangan Infrastruktur Hijau Sebagai Bagian Integral Pembangunan Hutan Kota, Penulis: Marlon Ivanhoe Aipassa, Sukartiningsih, Ibrahim, Yosep Ruslim, Rochadi Kristiningrum, ISBN: 978-623-5262-54-3, Penerbit: Mulawarman University Press, Jumlah Halaman: 99 (2023)

**Activities in specialist bodies over the last 5 years**

| Organization   | Role   | Periode        |
|--|--|----------------|
| Persatuan Sarjana Kehutanan Indonesia (PERSAKI) - Indonesian Forestry Graduates Federation | member   | 1988 - present |
| Masyarakat Silvikultur Indonesia (MASI)  | member   | Sejak 2013     |
| Dewan Pakar IKA Fakultas Kehutanan   | member   | 2022 - 2027    |
| Kementerian Lingkungan Hidup dan Kehutanan   | Nara sumber Konsultasi Publik Penyusunan Manual Serial Forestry and Other Land Used (FOLU) | April 2023     |



**Name** Prof. Dr. Enos Tangke Arung, S.Hut., M.P.

**Position** Full Professor

| <b>Academic Career</b> | Doctoral Degree      | University            | Year   |
|------------------------|----------------------|-----------------------|--------|
|                        |                      | Kyushu University     | 2006   |
|                        | Master Degree        | University            | Year   |
|                        |                      | Mulawarman University | 2000   |
| <b>Employment</b>      | Undergraduate degree | University            | Year   |
|                        |                      | Mulawarman University | 1996   |
|                        | Position             | Employer              | Period |

|  |          |   |              |
|--|----------|---|--------------|
|  | Lecturer | Faculty of Forestry,<br>Mulawarman University | 1997-present |
|--|----------|---|--------------|

| <b>Research and development projects over the last 5 years</b> | Name of project or research focus             | Funding Sources | Period    |
|--|---|-----------------|-----------|
|  | Word Class Research                           |                 | 2019      |
|  | Fundamental Research on Stingless Bee project |                 | 2022-2023 |
|  | Fundamental Research                          |                 | 2019-2020 |

| <b>Industry collaborations over the last 5 years</b> | Patners, if applicable | Amount of financing | Project Titles  | Partners                                  | Period    |
|--|------------------------|---------------------|---|---|-----------|
|  |                        |                     | Collaboartive Research Centre on Nano Cosmetic based on Biomass | BRIN                                      | 2022-2024 |
|  |                        |                     | Dana Terra ford Foundation                                      | Kementrian Kehutanan dan Lingkungan Hidup | 2022-2023 |
|  |                        |                     | Community Services Project on Stingless Bees Farmer             |   | 2021      |

| <b>Patents and proprietary rights</b> | Titles  | Year |
|---------------------------------------|---|------|
|                                       | Indonesian Paten, Application Number P00200800210 |      |
|                                       | Indonesian Paten, Application Number P00201000900 |      |
|                                       | Indonesian Paten, Application Number P00201100754 |      |
|                                       | Indonesian Paten, Application Number P00201200535 |      |

Indonesian Paten, Application Number P00201304452  
Indonesian Paten, Application Number P00201502234  
Indonesian Paten, Application Number P00201502231  
Indonesian Paten, Application Number S00201701844  
Indonesian Paten, Application Number S00201701845  
Paten Granted, IDP000045407  
Paten Granted, IDP000049351  
Paten Granted, IDP000048771  
Paten Granted, IDP000056128  
Paten Granted, IDP000055750  
Indonesian Paten, Application Number P00202211645  
Indonesian Paten, Application Number P00202210865  
Indonesian Paten, Application Number S00202211725  
Indonesian Paten, Application Number S00202210825

**Important  
publications  
over the last 5  
years**

Selected recent publications from a total of approx  
(23):

1. Rasyid Jarta, Irawan W. Kusuma, Wiwin Suwinarti, Enos Tangke Arung, 2018. Identification and evaluation of bioactivity in-forest plants used for medicinal purposes by the Kutai community of East Kalimantan, Indonesia. 19(1) : 253-259. Biodiversitas
2. Enos Tangke Arung, Rudianto Amirta, Qinchang Zhu, Yhiya Amen, Kuniyoshi Shimizu. 2018. Effect of wood, bark and leaf extracts of *Macaranga* Trees on cytotoxic activity in some cancer and normal cell lines. Journal of the Indian Academy of Wood Science. 15(2) :115-119.
3. Henny Nurhasnawati, Reksi Sundu, Sapri, Risa Supriningrum, Harlinda Kuspradini, Enos Tangke Arung. 2019. Antioxidant activity, total phenolic and flavonoid content of several indigenous species of Ferns in East Kalimantan, Indonesia. Biodiversitas 20 (2) : 576-580
4. Enos Tangke Arung, Jhonner Roberto Sinambela, Enih Rosamah, Irawan Wijaya Kusuma, Harlinda Kuspradini, Ahmed E. Allam, Yhiya Amen, Hiroyuki Tanaka, Dedi Satria, Kuniyoshi Shimizu, Hiroya Ishikawa. 2019. Antioxidant and Anti melanogenesis activities of Glyasperin A from *Macaranga pruinosa* leaves. Nat Prod Comm 6: 1-5
5. Enos Tangke Arung, Syafrizal, Whicliffe Fiernaleonardo Pasedan, Nataniel Tandirogang, Sukemi Sukemi, Ahmed E. Allam, Yhiya Amen, Kuniyoshi Shimizu, and Hiroya Ishikawa. 2020. Prenylated Flavonoids as Antioxidant and Melanin Inhibitors From Stingless Bee (*Wallacetrigona incisa*) Propolis. Nat Prod Comm 15: 1-6
6. Rudy Agung Nugroho, Dirgarini Julia Nurlianti Subagyono, Enos Tangke Arung. 2020. Isolation and characterization of *Botryococcus braunii* from a freshwater environment in Tenggarong, Kutai Kartanegara, Indonesia. Biodiversitas 21 : 2331-2336
7. Irawan Wijaya Kusuma, Rahmini, Enos Tangke Arung, Arif Yudo Pramono, Erwin, Supomo.2020. Biological activities and phytochemicals of *Hyptis capitata*



- grown in East Kalimantan, Indonesia. *Journal of Applied Biology & Biotechnology* 8: 58-64
8. Syafrizal, Rico Ramadhan, Irawan Wijaya Kusuma, Saat Egra, Kuniyoshi Shimizu, Mamoru Kanzaki, Enos Tangke Arung. 2020. Diversity and honey properties of stingless bees from meliponiculture in East and North Kalimantan, Indonesia. *Biodiversitas* 21 : 4623-4630
  9. Yusuf Limbongan, Rico Ramadhan, Kuniyoshi Shimizu, Enos Tangke Arung. 2021. Agronomic Characteristics Of 30 Promising Lines Of Aromatic, Red, And Black Rice And Their Antioxidant And Cytotoxic Effects In Some Cancer Cells. *Biodiversitas* 22 : 1695-1700
  10. Enos Tangke Arung, Rico Ramadhan, Binti Khairunnisa, Yhiya Ameni, Masako Matsumoto et al. 2021. Cytotoxicity effect of honey, bee pollen, and propolis from seven stingless bees in some cancer cell lines. *Saudi J Biol Sci*
  11. Enos Tangke Arung , Rico Ramadhan, Liidza Diana Mandzilkh, Prasetia Aktavinaldy Santoso, Masako Matsumoto, Maki Nagata, Irawan Wijaya Kusuma, Swandari Paramita, Sukemi, Yadi, Naomichi Takemoto, Yhiya Amen, Syafrizal, Kuniyoshi Shimizu, Nataniel Tandirogang. 2021. Screening of selected Stingless Bees honey as a preventive material in SARS-CoV-2 infection by inhibiting ACE2-spike protein binding activity. *Malaysian Journal of Medical Sciences*
  12. Suroto Hadi Saputra, Bernatal Saragih, Irawan Wijaya Kusuma, Enos Tangke Arung. 2021. Antioxidant and antibacterial screening of honey of *Heterotrigona itama* collected from different meliponiculture areas in East Kalimantan, Indonesia. *Nusantara Bioscience* 13: 232-237
  13. Agmi Sinta Putri, Muhammad Taufiq Haqiqi, Supomo, Irawan Wijaya Kusuma, Harlinda Kuspradini, Enih Rosamah, Rudianto Amirta, Swandari Paramita, Rico Ramadhan, Muhammad Adly Rahandi Lubis, Harits Atika Ariyanta, Aswandi Aswandi, Cut Rizlani Kholibrina, Maya Ismayati, Widya Fatriasari, Didi Tarmadi, Yuliansyah, Wiwin Suwinarti, Yong-ung Kim, Enos Tangke Arung. 2022. A Mini Review: The Application of Eupatorium Plants as Potential Cosmetic Ingredients. *Cosmetics* 9: 103-115
  14. Nataniel Tandirogang, Silvia Anitasari, Enos Tangke Arung, Swandari Paramita, Yung-Kang Shen. 2022. Evaluations of Antibacterial Properties of *Zingiber purpureum* Essential Oil Against 13 Different Gram-positive and Gram-negative Bacteria. *The Indonesian Biomedical Journal* 14 (3) :226-328
  15. Devina RS. Pardosi, Cicih B. Purnamasari, Swandari Paramita, Lilies A. Astuti, Masyhudi,1 Enos Tangke Arung. 2022. Antibacterial activity of bangle rhizome essential oil (*zingiber montanum*) against *streptococcus mutans*. *J Dentomaxillofac Sci* 7 (1) : 5-8
  16. Sarah Azzara Dikarulin, Dyah Ayu Dewi Listyaningrum, Bayu Susetya Ananda, Tasya Ananda Putri, Rudianto Amirta, Enih Rosamah, Wiwin Sunarti, Yuliansyah, Irawan Wijaya Kusuma, Enos Tangke Arung. 2022. Uji Aktivitas Antibakteri Ekstrak Propolis Lebah *Heterotrigona Itama* Dari Beberapa Lokasi Budidaya Di Kalimantan Timur Terhadap Bakteri *Propionibacterium Acnes*. *Ulin - J Hut Trop* 6 (2) : 121-125
  17. Enos Tangke Arung, Syafrizal, Irawan Wijaya Kusuma, Swandari Paramita, Yhiya Amen, Yong-Ung Kim, Netty Maria Naibaho, Rico Ramadhan, Harits Atika Ariyanta, Widya Fatriasari, Kuniyoshi Shimizu. 2023. Antioxidant, anti-inflammatory and anti-acne activities of stingless bee (*Tetragonula biroii*) propolis. *Fitoterapia* 164 : 105375



18. Ismawati, R. Yuniastri, N. Huzaimah, T. Estiasih, E. Martati, D. Tarmadi, W. Fatriasari, E.T Arung, M. Ismayati. 2023. A comparative evaluation of the antioxidant activity of local plants originated from Sumenep Regency, East Java, Indonesia. *Rasayan Journal of Chemistry*
19. Harits Atika Ariyanta, Eko Budi Santoso, Lisman Suryanegara, Enos Tangke Arung, Irawan Wijaya Kusuma, Mohamad Nurul Azman Mohammad Taib, M. Hazwan Hussin, Yeni Yanuar, Irmanida Batubara, Widya Fatriasari. 2023. Recent Progress on the Development of lignin as future ingredient biobased cosmetics. *Sustainable Chemistry and Pharmacy* 32: 100966
20. Enih Rosamah, Muhammad Taufiq Haqiqi, Agmi Sinta Putri, Supomo, Harlinda Kuspradini, Irawan Wijaya Kusuma, Rudianto Amirta, Yuliansyah, Wiwin Suwinarti, Swandari Paramita, Rico Ramadhan, Didi Tarmadi, Maya Ismayati, Harits Atika Ariyanta, Widya Fatriasari, Aswandi, Cut Rizlani Kholibrina, Nur Izyan Wan Azelee, Yong-ung Kim, Enos Tangke Arung. 2023. The potential of Macaranga plants as skincare cosmetic ingredients– A review. *Journal of Applied Pharmaceutical Science*
21. Lisman Suryanegara, Widya Fatriasari, Irawan Kusuma Wijaya, Rut Novalia Rahmawati Sianipar, Suminar Setiati Achmadi, Enos Tangke Arung. 2023. The Role of Selected Flavonoids from Bajakah Tampala (*Spatholobus littoralis* Hassk.) Stem Fraction on Cosmetic Properties: A Review. *Saudi Pharmaceutical Journal*
22. Netty Maria Naibaho, Heriad Daud Salusu, Rudito, Bernatal Saragih, Irawan Wijaya Kusuma, Widya Fatriasari, Enos Tangke Arung. 2023. Sensory evaluation and antibacterial activity of bee pollen extracts isolated from several stingless bees in two drying method. *Biodiversitas* 24 : 2682-2688

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|

-

-

-





**Name** Prof. Dr. Ir. Marjenah, M.P.  
**Position** Full Professor

| Academic Career | Doctoral Degree      | University | Year                  |
|-----------------|----------------------|------------|-----------------------|
|                 |                      |            | Mulawarman University |
| Academic Career | Master Degree        | University | Year                  |
|                 |                      |            | Mulawarman University |
| Academic Career | Undergraduate degree | University | Year                  |
|                 |                      |            | Mulawarman University |

| Employment | Position | Employer  | Period |
|------------|----------|---|--------|
|            |          | Wakil Direktur 2 Pasca Sarjana UNMUL Bidang Umum dan Keuangan | UNMUL  |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources | Period    |
|---|---|-----------------|-----------|
|   | Kondisi Optimum Ketinggian (Elevasi) Untuk Pertumbuhan dan Produksi Buah Ketapang ( <i>Terminalia catappa</i> Linn.) Sebagai Bahan Baku Pembuatan Biodiesel dan Tanaman Pokok Pada Pembangunan Kebun Energi | DIKTI           | 2017-2018 |
|   | Pertumbuhan Akar dan Tunas Stek Pucuk Tabat Barito ( <i>Ficus deltoidea</i> JACK) pada Media Kultur Cair Menggunakan Ecoenzyme dengan Konsentrasi yang Berbeda  | FAHUTAN UNMUL   | 2022      |
|   | Pembibitan Jambu Air dengan Cara Vegetatif Sebagai Bahan Tanaman MPTS untuk Kegiatan Rehabilitasi Lahan Terdegradasi  | FAHUTAN UNMUL   | 2023      |

| Industry collaborations over the last 5 years | Partners, if applicable<br>Amount of financing   |          |        |
|---|--|----------|--------|
|   | Project Titles   | Partners | Period |
|   | -  | -        | -      |
| Patents and proprietary rights                | Titles   |          | Year   |
|   | Paten Sederhana: Proses Pembuatan Kompos Padat Secara Semi Anaerob   |          | 2023   |
| Important publications over the last 5 years  | Selected recent publications from a total of approx (24):  |          |        |
|   | <ol style="list-style-type: none"> <li>1. Buku: Manajemen Pembibitan Edisi Revisi 2, Penulis: Marjenah, ISBN: 978-602-1475-50-8, Penerbit: Mulawarman University Press, Jumlah Halaman:259.(2018)</li> <li>2. Total flavonoid content and antioxidant activity in leaves and stems extract of cultivated and wild tabat barito (<i>Ficus deltoidea</i> Jack), Penulis: Hetty Manurung, Wawan Kustiawan, Irawan W Kusuma, Marjenah, Nama Seminar/Konferensi/Simposium: The 1st International Conference on Mathematics, Sci, Penyelenggara Seminar/Konferensi/Simposium: AIP Conference Proceedings, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: ence and Computer Science (ICMSC) 2016, ISSN: 0094243X, E-ISBN: 15517616, ISBN: 978-0-7354-1481-5 (2018)</li> <li>3. Evaluation of soil and leaves nutrient on the growth of cultivated tabat barito (<i>Ficusdeltoidea</i> jack.) in Makroman Village, Sambutan District of East Kalimantan, Indonesia, Penulis: H Manurung, W Kustiawan, IW Kusuma, Marjenah, Nama Seminar/Konferensi/Simposium: 1st International Conference on Tropical Studies and Its Application (ICTROPS), Penyelenggara Seminar/Konferensi/Simposium: Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: Samarinda 9 November 2017, ISBN: 1755-1315 E-ISSN: 1755-1307 (Publikasi Terindex Scopus) (2018)</li> <li>4. Extraction of Ketapang Seeds (<i>Terminalia catappa</i> Linn) as Raw Material of Biodiesel, Penulis: Novy Pralisa Putri, Muhammad Affandhy Muslim, Joel Gerystra Sitorus, Dicky Luhangga Putra, Marjenah, Nama Jurnal: Jurnal Konversi Faculty of Engineering, Lambung Mangkurat University, Volume Jurnal: 7, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2018, Halaman: 10-14, ISSN: 2541-3481, Penerbit: Jurnal Konversi Faculty of Engineering, Lambung Mangkurat University. (2018)</li> <li>5. Kesesuaian Jenis yang Dapat Ditumpangsarikan dengan Ketapang (<i>Terminalia catappa</i> Linn.) pada Beberapa Sistem lahan di Kalimantan Timur dan Prospeknya sebagai Hutan Tanaman (Marjenah dan Ariyanto). Jurnal Penelitian Ekosistem Dipterokarpa, Volume Jurnal: 4, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2018, Halaman: 57-70, ISSN: 2460-5875, E-ISSN: 2460-5883, Penerbit: Jurnal Penelitian Ekosistem Dipterokarpa. (2018)</li> <li>6. Fenologi Ketapang di Kota Samarinda: Prospek Ketapang sebagai Bahan Baku Pembuatan Biodisel dan Tanaman Pokok Kebun Energi, Penulis: Marjenah, Nama Seminar/Konferensi/Simposium: Seminar Nasional Silvikultur VI, Penyelenggara Seminar/Konferensi/Simposium: Seminar Nasional Silvikultur VI, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: Agustus 2018, ISSN: 0125-975X. (2018)</li> <li>7. Restoration of Mangrove Forest Landscape in Babulu Laut Village, Subdistrict of Babulu, Penajam Paser Utara District. (WK Febrina, Marjenah dan Sumaryono). 1st International Conference on Tropical Studies and Its Application (ICTROPS).</li> </ol> |          |        |

- IOP Conf. Series: Earth and Environmental Science 144 (2018) 012033. IOP Publishing. doi:10.1088/1755-1315/144/1/012033. <http://iopscience.iop.org/article/10.1088/1755-1315/144/1/012033/pdf> (2018)
8. Microorganisms In Ex-Coal Mining Land After The Application Of Organic Fertilizers In Saliki Village Samarinda, East Kalimantan, Penulis: Samsurianto, Wawan Kustiawan, Marjenah, Djumali Mardji, Jurnal: International Journal of Scientific & Technology Research, Volume Jurnal: 8, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2019, Halaman: 20-23, ISSN: 2277-8616, Penerbit: International Journal of Scientific and Technology Research. (2019)
  9. Potential Nutrient Leaves of *Enterolobium cyclocarpum* Griseb for Improving Soil Physical Properties of Post Mining Areas in East Kalimantan, Penulis: Sukariyan, Marjenah, W Kustiawan, W Hartati, N Wiyani, Nama Seminar/Konferensi/Simposium: The 2nd International Conference on Tropical Silviculture: Forest Research and Innovation for Sustainable Development, Penyelenggara Seminar/Konferensi/Simposium: IOP Conference Series: Earth and Environmental Science, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: 10–11 September 2019, Bogor, ISBN: 1755-1315 E-ISSN: 1755-1307 (Publikasi Terindex Scopus) (2019)
  10. Pengaruh Cekaman Kekeringan terhadap Pertumbuhan dan Kadar Flavonoid Total Tumbuhan Tabat Barito (*Ficus deltoidea* Jack), Penulis: Hetty Manurung, Wawan Kustiawan, Irawan Wijaya Kusuma, Marjenah, Nama Jurnal: Jurnal Hortikultura Indonesia, Volume Jurnal: 10, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2019, Halaman: 55-62, ISSN: 2087-4855, E-ISSN: 2614-2872, Penerbit: Jurnal Hortikultura Indonesia (2019)
  11. Buku: Biodiesel Ketapang, Penulis: Marjenah, ISBN: 978-623-7480-73-0, Penerbit: Mulawarman University Press, Jumlah Halaman: 70. (2020)
  12. Buku: Prospek Pemanfaatan Biji Ketapang (*Terminalia catappa* Linn.) Sebagai Bahan Baku Pembuatan Biodiesel, Penulis/Pengedit: Marjenah, Novy Pralisa Putri, ISBN: 978-623-256-064-2, Penerbit: Percetakan IPB, Bogor - Indonesia, Jumlah Halaman: 17. (2020)
  13. Hubungan Umur dengan Diameter Tegakan *Eucalyptus pellita* F. Muell Klon A di Hutan Tanaman Industri Kecamatan Sebulu Kutai Kartanegara Provinsi Kalimantan Timur, Penulis: Noor Jannah, Marjenah, Syahrinudin, Wahjuni Hartati, Ria Rachel Paranoan, Nama Jurnal: Agrifarm: Jurnal Ilmu Pertanian Volume Jurnal: 9, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2020, Halaman: 1-5, ISSN: 2301-9700, E-ISSN: 2450-8892, Agrifarm: Jurnal Ilmu Pertanian. (2020)
  14. Mineralogical Characterization of Soils In Plantation Forest of East Kalimantan, Indonesia, Penulis: Paranoan R.R., Kustiawan W., Marjenah, Hartati W., Syahrinudin, Sukartiningsih, Sudarmadji T, Jurnal: RJOAS: Russian Journal of Agricultural and Socio-Economic Sciences, Volume Jurnal: 1, Nomor Jurnal: 109, Tahun Terbit Jurnal: 2021, Halaman: 101-104, ISSN: 2226-1184, Penerbit: Russian Journal of Agricultural and Socio-Economic Sciences. (2021)
  15. Phytochemical screening and antioxidant activity of wild mushrooms growing in tropical regions, Penulis: Elisa Hermawati, Rico Ramadhan, Farida Ariyani, Marjenah, Irawan Wijaya Kusuma, Wiwin Suwinarti, Djumali Mardji, Rudianto Amirta, Enos Tanke Arung, Jurnal: Biodiversitas, Volume Jurnal: 22, Nomor Jurnal: 11, Tahun Terbit Jurnal: 2021, Halaman: 4716-4721, ISSN: 1412-033X, E-ISSN: 2085-4722, Penerbit: Society for Indonesian Biodiversity. (2021)
  16. The Role of Structure Canopy of *Terminalia Catappa* Linn. on Light Penetration and Decreasing Ambient Temperature as Climate Change Mitigation, Penulis:

Marjenah, Jurnal: Wood Research Journal, Volume Jurnal: 12, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, Halaman: 35-40, ISSN: 2087-3840, E-ISSN: 2774-9320, Penerbit: Wood Research Journal. (2021)

17. Aplikasi Air Kelapa pada Perkecambahan Benih Kalangkala (*Listea garciae* Vidal) dengan Perlakuan Perendaman dan Pemeraman, Penulis: Marjenah, Paulus Matius, Agustina Hura, Nama Jurnal: Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, Volume Jurnal: 20, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, Halaman: 139-152, ISSN: 1412-6889, E-ISSN: 2503-4960, Penerbit: Jurnal Ilmu Pertanian dan Kehutanan. (2021)
18. Pertumbuhan Tanaman Sengon Buto (*Enterolobium cyclocarpum* Griseb) Fase Tingkatan Semai dengan Media Overburden, Penulis: Sukariyan, Marjenah, Wawan Kustiawan, Wahjuni Hartati, Garini Widosari, Nama Jurnal: Jurnal Agriment, Volume Jurnal: 6, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, Halaman: 58-63, ISSN: 2548-8872, E-ISSN: 2548-8864, Penerbit: Politani Samarinda. (2021)
19. Diversity of Fruits in Kutai Kartanegara District, East Kalimantan Province, Penulis: Rustam Baraq Noor, Marjenah, Paulus Matius, Nama Seminar/Konferensi/Simposium: Proceedings of the Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/Simposium: Tanjung Redeb Berau 4-6- September 2019, ISBN/ISSN: 978-94-6239-362-2 /2468-5747. (2021)
20. Pengomposan Eceng Gondok (*Eichornia Crassipes* Solms) Dengan Metode Semi Anaerob Dan Penambahan Aktivator EM4, Penulis: Marjenah, Justina Simbolon, Nama Jurnal: Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, Volume Jurnal: 20, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2021, Halaman: 265-278, ISSN: 1412-6885, E-ISSN: 2503-4960, Penerbit: Jurnal Ilmu Pertanian dan Kehutanan. (2022)
21. Analisis Kemampuan Hutan Kota Sebagai Penyerap Gas CO<sub>2</sub> dan Produksi Gas O<sub>2</sub> di Kota Samarinda, Penulis: Ardy Apriliady Yustri, Marjenah, Kiswanto, Nama Jurnal: Jurnal JPED, Volume Jurnal: 8, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2022, Halaman: 83-98, E-ISSN: 2460-5883, Penerbit: Jurnal JPED. (2022)
22. Identifikasi Kerusakan Pohon Shorea leprosula Miq. dengan Metode Forest Health Monitoring di KHDTK Sebulu, Penulis: Hartati Apriani, Kiswanto, Marjenah, Nama Jurnal: Jurnal JPED, Volume Jurnal: 8, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2022, Halaman: 35-42, E-ISSN: 2460-5883, Penerbit: Jurnal JPED. (2022)
23. Perubahan struktur dan komposisi tegakan pada areal bekas tebangan sistem TPPT di Kalimantan Timur, Penulis: Marjenah, Paulus Matius, Doto Tri Purnomo, Kiswanto, Sutedjo, Nama Jurnal: ULIN: Jurnal Hutan Tropis, Volume Jurnal: 7, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2023, Halaman: 120-127, ISSN: 2599-1883, E-ISSN: 2599-1250, Penerbit: Fakultas Kehutanan Unmul. (2023)
24. Efektivitas Penggunaan Aktivator Mol Dari Sampah Sayur Kol Dan Em4 Pada Pengomposan Kirinyuh (*Chromolaena odorata* L) Dengan Metode Semi Anaerob, Penulis: Marjenah, Erik Prawiguna, Nama Jurnal: Jurnal AGRIFOR, Volume Jurnal: 22, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2023, Halaman: 1-14, E-ISSN: 2503-4960, Jurnal AGRIFOR. (2023)

**Activities specialist** in

| Organization                 | Role    | Periode      |
|------------------------------|---------|--------------|
| Persatuan Insinyur Indonesia | Anggota | 2018-present |



|                                     |   |         |              |
|-------------------------------------|---|---------|--------------|
| <b>bodies over the last 5 years</b> | Masyarakat Silvikultur Indonesia (MASI)     | Anggota | 2013-present |
|                                     | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Anggota | 2000-present |



**Name** Prof. Dr. Ir. Rujehan, M.P  
**Position** Full Professor

| Academic Career | Doctoral Degree      | University                | Year |
|-----------------|----------------------|---------------------------|------|
|                 | Agriculture Science  | University of Brawijaya   | 2010 |
| Academic Career | Master Degree        | University                | Year |
|                 | Forestry Science     | University of Gadjah Mada | 1994 |
| Academic Career | Undergraduate degree | University                | Year |
|                 | Forestry Science     | University of Mulawarman  | 1983 |

| Employment | Position                     | Employer                                   | Period       |
|------------|------------------------------|--|--------------|
|            | Lecturer                     | Faculty of Forestry, Mulawarman University | 1981-present |
|            | Doctoral program coordinator | Faculty of Forestry, Mulawarman University | 2020-2024    |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources   | Period  |
|---|---|---|---|
|   |   | Studi Potensi Program Pengembangan Perhutanan Sosial di Jalan Poros Kelian-Long Apari | Dinas Lingkungan Hidup, Kabupaten Mahakam Ulu |
|   | Baseline Studi Kajian Kelembagaan KPHP Model Kendilo Kalimantan Timur dalam Kerangka Forest Investment Program (FIP) II | Kementerian Lingkungan Hidup dan Kehutanan (KLHK)                                     | 2018  |
|   | Survei Sosial Ekonomi di Delta Kayan Sembakung, Provinsi Kalimantan Utara   | Gessellschaft fur Internationale Zusammenarbeit (GIZ)                                 | 2019  |
|   | Pemetaan Sosial Calon Rehabilitasi Mangrove di Provinsi Kalimantan Utara  | Badan Restorasi Gambut dan Mangrove (BRGM)  | 2021  |
|   | Penyusunan Rancangan Peraturan Kepala Otorita IKN   | Badan Otorita IKN   | 2023  |

Partners, if applicable  
Amount of financing

|  |  |                 |               |
|--|--|-----------------|---------------|
| <b>Industry collaborations over the last 5 years</b> | <b>Project Titles</b>  | <b>Partners</b> | <b>Period</b> |
|  | -  | -               | -             |
|  |  |                 |               |
| <b>Patents and proprietary rights</b>                | <b>Titles</b>  |                 | <b>Year</b>   |
|  | Pengantar Manajemen Hutan. ISBN: 978-602-6834-84-3, Mulawarman University Press. Samarinda   |                 | 2019          |
|  | Pengantar Manajemen Hutan dan Telaah Ekonomi, ISBN : 978-623-7480-68-6, Mulawarman University Press. Samarinda   |                 | 2021          |
| <b>Important publications over the last 5 years</b>  | <b>Selected recent publications from a total of approx (14):</b>   |                 |               |
|  | 1. Potential and management strategy of floral biodiversity in the coastal areas in East Kalimantan, Indonesia. Rujehan, Paulus Matius, Nama Jurnal: Biodiversitas, Volume 19, Number 3, May 2018, Pages: 1130-1137, ISSN: 1412-033X, E-ISSN: 2085-4722, DOI: 10.13057/biodiv/d190348 (2018)   |                 |               |
|  | 2. Short Communication: Diversity of plant species growing during fallow period of shifting cultivation and potential of its biomass for sustainable energy production in Mahakam Ulu, East Kalimantan, Indonesia, Penulis: Yuliansyah, Muhammad Taufiq Haqiqi, Elis Septia, Dewi Mujiasih, Helmi Alfath Septiana, Krisna Adib Setiawan, Budhi Setiyono, Eddy Mangopo Angi, Saparwadi, Nur Maulida Sari, Irawan Wijaya Kusuma, Rujehan, Wiwin Suwinarti, Rudianto Amirta, Nama Jurnal: Biodiversitas, Volume Jurnal: 20, Nomor Jurnal: 8, Halaman: 2236-2242, ISSN: 1412-033X, E-ISSN: 2085-4722, Penerbit: Society for Indonesian Biodiversity (2019) |                 |               |
|  | 3. Silvicultural, hydro-orological and economic aspects of a combination of vegetative ( <i>Falcataria moluccana</i> - <i>Vigna cylindrica</i> ) and terrace systems in soils of different slopes. Penulis: Karyati, Sri Sarminah, Karmini, Rujehan, Vebi Fitriana Eko Lestari, Wendy Satria Panorama, Nama Jurnal: Biodiversitas Journal of Biological Diversity, Volume Jurnal: 20, Nomor Jurnal: 8, Halaman: 2308-2315, ISSN: 1412-033X, E-ISSN: 2085-4722, Penerbit: Society for Indonesian Biodiversity (2019)  |                 |               |
|  | 4. Pengelolaan Konflik dan Pemetaan Blok Pemanfaatan Bersama Masyarakat Di KHDTK Loa Haur, Kalimantan Timur, Penulis: Elfa Rifadi, Muhammad Sumaryono, Rujehan, Nama Jurnal: AGRIFOR, Tahun Terbit: 2019, Halaman: 405-420, ISSN P :1412- 6885, ISSN O: 2503-4960, Penerbit: LPPM Universitas 17 Agustus 1945 Samarinda (2019)   |                 |               |
|  | 5. Impact of Migration to Livelihood and Agricultural Land of Indigenous Forest-Dependent Communities in North Kalimantan, Indonesia, Penulis: Ndan Imang, Martinus Nanang, Rujehan, Nama Seminar/Konferensi/Simposium: Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Faculty of Forestry, Mulawarman University in collaboration with Ministry of Environment and Forestry, Republic of Indonesia and Indonesian Wood Research Society (IWoRS), Waktu Pelaksanaan Seminar/Konferensi/ Simposium: 4-6 September (2019)  |                 |               |
|  | 6. Land use with agroforestry system in North Kalimantan Province Indonesia State, Penulis: Marlan Usmani Putra, Rujehan, Mustofa Agung Sarjono, Paulus Matius, Ahyauddin, Nama Jurnal: International Journal of Biosciences, Volume Jurnal: 16, Nomor Jurnal: 3, Halaman: 183-195, ISSN P: 2220-6655 ISSN O: 2222-5234, Penerbit: EM International (2020)   |                 |               |
|  | 7. Modal Sosial Untuk Mendukung Program Perhutanan Sosial (Kasus Di HTR Kecamatan Batu Ampar, Kutai Timur), Penulis: Ana Zuraidah, Mustofa Agung   |                 |               |

- Sardjono, Rujehan, Nama Jurnal: Ulin - J Hut Trop, Volume Jurnal: 6, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2022, Halaman: 135-148, pISSN: 2599 1205, eISSN: 2599-1183, Penerbit: Forestry Faculty of Mulawarman University (2020)
8. Potensi Agroforestri Di Desa Mara Satu Kabupaten Bulungan Provinsi Kalimantan Utara, Penulis: Marlan Usmani Putra, Rujehan, Mustofa Agung Sardjono, Paulus Matius, Ahyauddin, Nama Jurnal: AGRIFOR, Volume Jurnal: XIX, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2020, Halaman: 59-70, ISSN P: 1412-6885, ISSN O: 2503-4960, Penerbit: LPPM Universitas 17 Agustus 1945 Samarinda (2020)
  9. Penyusunan Rencana Tata Ruang Desa (RTRWDES) Secara Partisipasif Di Desaa Muara Siran Dan Desa Liang Buaya Kecamatan Muara Kaman Kabupaten Kutai Kartanegara, Penulis: Saparwadi, Yohanes Budi Sulistioadi, dan Rujehan, Nama Jurnal: Ulin - J Hut Trop, Volume Jurnal: 4, Nomor Jurnal: 1, Tahun Terbit: 2020, Halaman: 30-41, pISSN 2599 1205, eISSN 2599 1183, Penerbit: Forestry Faculty of Mulawarman University (2020)
  10. Kontribusi Ekonomi dan Kesempatan Kerja Sub Sektor Kehutanan di Kalimantan Timur Dalam Rangka Pengukuhan Guru Besar, Penulis: Prof. Dr. Ir. Rujehan, MP., IPU. Tahun: (2020)
  11. Tropical secondary forest of East Kalimantan, Indonesia: diversity of plant species and its biomass potency for sustainable green energy production, Nama Penulis: Yuliansyah, Elis Septia, Muhammad Taufiq Haqiqi, Dewi Mujiasih, Krisna Adib Setiawan, Muhammad Alif Sekedang, Nur Maulida Sari, Elisa Herawati, Saparwadi, Eddy Mangopo Angi, Rico Ramadhan, Rujehan, Wiwin Suwinarti and Rudianto Amirta, Nama Jurnal: Biodiversitas, Volume Jurnal: 20, Nomor Jurnal: 8, Halaman: 2236-2242, ISSN: 1412-033X, E-ISSN: 2085-472, Penerbit: EM International (2021)
  12. Locating the unique biodiversity of Balikpapan Bay as an ecotourism attraction in East Kalimantan, Indonesia, Nama Penulis: Karnila Willard, Marlon Ivanhoe Aipassa, Mustofa Agung, Sardjono, Rujehan, Yosep Ruslim, Rochadi Kristiningrum, Nama Jurnal: Biodiversitas, Volume Jurnal: 23, Nomor Jurnal: 5, Halaman Jurnal: 2342 - 2357, ISSN: 1412 - 033X, E-ISSN: 2085 - 4722 (2022)
  13. Analysis of land cover change due to mining and its potential economic loss: A case study in the Bukit Soeharto Forest Park, East Kalimantan, Indonesia, Nama Penulis: Sunarto, Marlon I. Aipassa, Rujehan, Ali Suhardiman, Rochadi Kristiningrum, Yosep Ruslim, Wulan IR Sari, Nama Jurnal: Biodiversitas, Volume 24, Number 2, February 2023, Pages: 1206-1214, ISSN 1412-033X, E-ISSN: 2085-4722, DOI: 10.13057/biodiv/d240262 (2023)
  14. Community-based mangrove management in Berau Regency, G Wibisono1, Mustofa Agung Sardjono, Rujehan, Ali Suhardiman, Nama Jurnal: IOP Conference Series: Earth and Environmental Science, 1192 (2023) 012019 doi:10.1088/1755-1315/1192/1/012019 (2023)

**Activities in specialist bodies over the last 5 years**

| Organization   | Role   | Periode |
|--|--------|---------|
| Perkumpulan Forum Tenaga Ahli Lingkungan Indonesia (PTALI) Wilayah Kalimantan Timur. | Member | 2019    |
| The Institution of Engineers Indonesia the new of engineering                        | Member | 2021    |





Komunitas Manajemen  
Hutan Indonesia  
(KOMHINDO).

Advisor

2020



**Name** Prof. Dr. Ir. Paulus Matius., M.Sc  
**Position** Full Profesor

| <b>Academic Career</b>   | Doctoral Degree   | University                                  | Year         |
|--|---|---|--------------|
|  | Forest Ecology  | Universitas Albert-Ludwig, Freiburg, Jerman | 2003         |
|  | Master Degree   | University                                  | Year         |
| Forest Ecology   | Universitas Georg-August, Goettingen, Jerman  | 1995  |              |
| <b>Employment</b>  | Undergraduate degree  | University                                  | Year         |
|  | Lecturer  | Faculty of Forestry, Mulawarman University  | 1984-present |
|  | Position  | Employer                                    | Period       |
| Lecturer   | Faculty of Forestry, Mulawarman University  | 1984-present                                |              |
| <b>Research and development projects over the last 5 years</b> | Name of project or research focus   | Funding Sources                             | Period       |
|  | Penyusunan Baseline Data Area Hibah Yayasan Belantara di Provinsi Kaltim  | Yayasan Belantara                           | 2019         |
| <b>Industry collaborations over the last 5 years</b>           | Partners, if applicable   | Partners                                    | Period       |
|  | Amount of financing   | -   | -            |
| <b>Patents and proprietary rights</b>                          | Project Titles  | Partners                                    | Period       |
|  | -   | -   | -            |
| <b>Important publications over the last 5 years</b>            | Titles  |   |              |
|  | -   |   |              |
| <b>Important publications over the last 5 years</b>            | Selected recent publications from a total of approx (32):   |   |              |
|  | <ol style="list-style-type: none"> <li>Andriyani, R., Hastaniah, H., Matius, P., Diana, R., &amp; Sutedjo, S. (2023). Identification and analysis of understory species diversity in Sangkima Jungle Park secondary forest in Kutai National Park post-fire affected areas. <i>Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia</i>, 9(1), 59-66.</li> <li>Utami, Y., Matius, P., Diana, R., Sutedjo, S., &amp; Hastaniah, H. (2023). Diversity of medicinal potentially plants on KHDTK Diklat forestry Faculty of Forestry,</li> </ol> |   |              |



- Mulawarman University, Samarinda, East Kalimantan. Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia, 9(1), 118-125.
3. Ola, R. P., Kiswanto, K., Diana, R., Marjenah, M., & Matius, P. (2023). Simpanan karbon tegakan mangrove di Desa Tenging Baru Ibu Kota Nusantara. *ULIN: Jurnal Hutan Tropis*, 7(2), 246-254.
  4. Marjenah, M., Matius, P., Purnomo, D. T., Kiswanto, K., & Sutedjo, S. (2023). Perubahan struktur dan komposisi tegakan pada areal bekas tebangan sistem TPTI di Kalimantan Timur. *ULIN: Jurnal Hutan Tropis*, 7(1), 20-32.
  5. Oktaviani, E., Rayadin, Y., Boer, C., Matius, P., Purwanti, E., & Suba, R. B. (2023). Persepsi Masyarakat terhadap Adanya Penangkaran Rusa untuk Mengetahui Potensi Pemanfaatan Daging Rusa di Penangkaran Rusa Wana Wisata, Buana Jaya, Tanjung Sari, Bogor. *Jurnal Ilmiah Universitas Batanghari Jambi*, 23(1), 965-970.
  6. Sutedjo, S., Matius, P., Diana, R., & Rohman, R. (2021, July 21). *DINAMIKA JENIS Macaranga gigantea: DAMPAK DARI TEBANG PILIH DAN KEBAKARAN HUTAN DI KALIMANTAN TIMUR*. *Jurnal Silva Tropika*, 5(1), 328-338.
  7. Diana, R., Matius, P., Hendra, M., & Melsitiara, R. (2021). Species diversity and estimation of carbon stock in abandoned shrimp pond of mangrove ecosystem in East Kalimantan. *IOP Conference Series: Earth and Environmental Science*, 800(1), 012042.
  8. Siahaya, M. E., Matius, P., Aipassa, M. I., Rayadin, Y., Ruslim, Y., & Aponno, H. S. E. S. (2021). Ecotourism development through biodiversity potential identification and community perception in the protected forest on Buano Island, Western Seram, Maluku, Indonesia. *Biodiversitas Journal of Biological Diversity*, 22(6).
  9. Risky, F. J., Paulus, M., & Diana, R. (2021). Diversity of Fern Species (Pteridophyta) in the Karst Sangkulirang–Mangkalihat. *Joint Symposium on Tropical Studies (JSTS-19)*, 147-150.
  10. Paulus, M., Swasono, R. A., & Diana, R. (2021). The Potential of Dipterocarpaceae in the Karst of Sangkulirang Mangkalihat. *Joint Symposium on Tropical Studies (JSTS-19)*, 277-282.
  11. Noor, R. B., & Matius, P. (2021). Diversity of Fruits in Kutai Kartanegara District, East Kalimantan Province. *Joint Symposium on Tropical Studies (JSTS-19)*, 288-292.
  12. Putra, M. U., Sardjono, M. A., & Matius, P. (2021). Contribution of Agroforestry to Total Farmers' Revenue in Long Beluah Village, North Kalimantan Province-Indonesia. *Joint Symposium on Tropical Studies (JSTS-19)*, 231-236.
  13. Marjenah, M., Matius, P., & Hura, A. (2021). Aplikasi air kelapa pada perkecambahan benih kalangkala (*Listea garciae* Vidal) dengan perlakuan perendaman dan pemeraman. *Agrifor: Jurnal Ilmu Pertanian dan Kehutanan*, 20(1), 139-152.
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  15. Rohmadi, S., Matius, P., Priahutama, A. A., Ramadani, D. N., Munawarah, J., Maharani, R., & Rayadin, Y. (2021). Variasi Umur Tanaman Reklamasi Terhadap



- Struktur dan Komposisi Vegetasi di Areal Reklamasi Tambang PT Kideco Jaya Agung, Paser, Kalimantan Timur. *Jurnal Ilmu Lingkungan*, 20(1), 13-21.
16. Zefanius, Z., Kiswanto, K., & Matius, P. (2020). Keragaman Jenis Tumbuhan Berkhasiat Obat Di Kampung Sakaq Lotoq Kabupaten Kutai Barat. *Jurnal Penelitian Ekosistem Dipterokarpa*, 6(1), 51-62.
  17. Anggraini, Y., Matius, P., Hastaniah, H., & Diana, R. (2020). Identifikasi Kearifan Lokal dalam Pemanfaatan Jenis-Jenis Tumbuhan Untuk Ketahanan Pangan Dan Obat-Obatan. *MAKILA*, 14(2), 73-86.
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  19. Latifah, H., Matius, P., & Diana, R. (2020). POLA SEBARAN SPASIAL JENIS *Macaranga gigantea* (Rchb. f. & Zoll.) Müll. Arg. DI HUTAN PENDIDIKAN FAHUTAN UNMUL: Spatial distribution pattern of *Macaranga gigantea* (Rchb. f ... HUTAN TROPIKA, 15(2), 112-120.
  20. Fajriansyah, F., Diana, R., & Matius, P. (2019). Profil Pohon pada jenis *Litsea* spp. di Hutan Pendidikan. *MAKILA*, 13(2), 85-100.
  21. Parliansyah, E., Matius, P., Hastaniah, H., & Ruslim, Y. (2019). Inventarisasi Tumbuhan Tingkat Pancang Dan Semai Berkhasiat Obat di Lembo Yang Digunakan Oleh Suku Dayak Tunjung Kampung Ngenyan Asa Kecamatan Barong Tongkok Kabupaten Kutai Barat. *Jurnal Pertanian Terpadu*, 7(2), 141-151.
  22. Isyarah, R., Matius, P., & Sutedjo, S. (2019). REGENERASI ALAMI JENIS NON DIPTEROCARPACEAE DI HUTAN PENDIDIKAN FAHUTAN UNMUL (HPFU) SAMARINDA. *ULIN: Jurnal Hutan Tropis*, 3(1).
  23. Emanuel, B., & Matius, P. (2019). Asal Usul dan Penyebaran suku Dayak Benuaq. buku, 164.
  24. Emanuel, B., & Matius, P. (2019). Upacara adat Parapm api bayaq loli olo Suku Dayak Benuaq. buku 1, 127.
  25. Hermawan, Z., Rayadin, Y., Matius, P., & Ruslim, Y. (2019). PERILAKU BERSARANG ORANGUTAN MORIO (*Pongo pygmaeus morio*) PADA HABITAT DI SEKITAR SUNGAI SANGATA KANAN. *Jurnal Penelitian Ekosistem Dipterokarpa*, 5(1), 11-20.
  26. Matius, P. (2019). Jenis-jenis tumbuh-tumbuhan yang digunakan untuk upacara Ritual Beliatn pada suku Dayak Benuaq di Kutai Barat. Samarinda: Mulawarman University Press.
  27. Rohmadi, S., Rayadin, Y., Matius, P., & Ruslim, Y. (2018). Kehadiran dan keragaman herba-liana sebagai sumber pakan satwa liar di kawasan reklamasi pascatambang batubara PT Kideco Jaya Agung, Paser, Kalimantan Timur. *Jurnal Penelitian Ekosistem Dipterokarpa*, 4(2), 71-82.
  28. Efendi, H., Sardjono, M. A., & Matius, P. (2018). Strategi Adaptasi Masyarakat Kutai Menghadapi Perkembangan Pembangunan Ekonomi Berbasis Sda (Studi Kasus: Wilayah Kedang Ipil, Kutai Kartanegara, Kalimantan Timur). *JURNAL Penelitian Ekosistem Dipterokarpa*, 4(2), 95-108.
  29. Matius, P., Tjwa, S. J. M., Raharja, M., Sapruddin, S., Noor, S., (2018). Plant diversity in traditional fruit gardens (munaans) of Benuaq and Tunjung Dayaks tribes of West Kutai, East Kalimantan, Indonesia. *Biodiversitas Journal of Biological Diversity*, 19(4), 1280-1288.



30. Rujehan, P. M. (2018). Potential and management strategy of floral biodiversity in the coastal areas in East Kalimantan, Indonesia. *B I O D I V E R S I T A S*, 19, 1130-1137.
31. Suwasono, R. A., & Matius, P. (2018). Diversity of tree vegetation on different slopes in Sangkulirang–Mangkalihat exokarst area. *IOP Conference Series: Earth and Environmental Science*, 144(1), 012059.
32. Setiawan, K. A., Sutedjo, S., Matius, P., & Diana, R. (2018). Komposisi jenis tumbuhan bawah di lahan revegetasi pasca tambang batubara. *ULIN: Jurnal Hutan Tropis*, 1(2).

| Activities in specialist bodies over the last 5 years | Organization   | Role            | Periode |
|---|--|-----------------|---------|
|   | Narasumber Diskusi Teknis Wilayah Ekologis dan Daerah Riparian pada Kawasan Ibu Kota Negara (IKN)  | Presenter       | 2021    |
|   | Narasumber seminar ISKA “Membangun ketahanan ekonomi, social, pangan pada era Pandemi covid 19”  | Presenter       | 2020    |
|   | Narasumber dialog nasional pemindahan ibu kota Negara tema Lingkungan Hidup  | Keynote Speaker | 2020    |
|   | Lokakarya Developing ASEAN Guidelines for Sustainable Harvest and Resource Management Protocols for Important NTFFPs/NTFP Categories: An experts meeting | Presenter       | 2020    |
|   | Narasumber seminar “Menyongsong Era Baru Tonyooi Benuaq Dalam Menyambut Ibu Kota Baru Republik Indonesia   | Presenter       | 2020    |
|   | Narasumber seminar PDKT di Samarinda tentang pemindahan Ibu Kota negara  | Presenter       | 2019    |



**Name** Prof. Dr. Irawan Wijaya Kusuma, S.Hut., MP  
**Position** Full Professor

| Academic Career   | Doctoral Degree   | University                                 | Year         |
|---|---|--|--------------|
|   | Natural Products Chemistry  | Ehime University, Japan                    | 2002-2005    |
| Academic Career   | Master Degree   | University                                 | Year         |
|   | Forestry science  | Faculty of Forestry, Mulawarman University | 1997-2000    |
| Academic Career   | Undergraduate degree  | University                                 | Year         |
|   | Forest product technology   | Faculty of Forestry, Mulawarman University | 1991-1996    |
| Employment  | Position  | Employer                                   | Period       |
|   | Lecturer  | Faculty of Forestry, Mulawarman University | 1997-present |
| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources                            | Period       |
|   | Collaborative Center for Research on Biomass-Based Nano-Technology Cosmetics                            | BRIN                                       | 2022         |
|   | Designing a pathway for downstreaming stingless bee honey products towards national distribution        | KEMENDIKBUD                                | 2022         |
|   | Antioxidant and antidiabetic potential of extracts and isolated compounds from selected Invasive Plants | KEMENDIKBUD                                | 2022         |
|   | Study of the nutritional potential of orangutan food plants in the Wehea Kelay Landscape                | YKAN                                       | 2022         |
|   | Study of the Nutritional Potential of Orangutan   | YKAN                                       | 2021         |

|  |   |   |        |
|--|---|---|--------|
|  | Food Plants in the Wehea Kelay Landscape  |   |        |
|  | Industrialization of antibacterial products, natural immunostimulants for natural fish medicine   | LPDP  | 2021   |
|  | Industrialization of antibacterial products, natural immunostimulants for natural fish medicine   | LPDP  | 2020   |
|  | Chemical Profile and active compounds of <i>Chromolaena odorata</i> and <i>Hyptis capitata</i> as candidates for natural antimicrobial and antioxidant agents                                       | DRPM-KEMENRISTEKDIKTI   | 2019   |
|  | Chemical Profile and active compounds of <i>Chromolaena odorata</i> and <i>Hyptis capitata</i> as candidates for natural antimicrobial and antioxidant agents                                       | DRPM-KEMENRISTEKDIKTI   | 2018   |
| <b>Industry collaborations over the last 5 years</b> | Partners, if applicable   |   |        |
|  | Amount of financing   |   |        |
| <b>Patents and proprietary rights</b>                | Project Titles  | Partners  | Period |
|  | -   | -   | -      |
|  |   | Titles  | Year   |
|  |   | Ekstrak rimpang bangle ( <i>Zingiber purpureum</i> ) sebagai Herbal Anti Asam Urat dan Pelindung Prostat              | 2018   |
|  |   | Extract Rimpang Bangle ( <i>Zingiber purpureum</i> ) sebagai Herbal Pemutih Kulit dan Proses isolasi senyawa aktifnya | 2018   |
|  | Ekstrak temu kunci ( <i>Boesenbergia pandurata</i> ) sebagai imunostimulan pada ikan nila   | 2017  |        |
|  | Ekstrak Daun Belabetan ( <i>Eupatorium triplinerve</i> ) sebagai Herbal Pemutih Kulit dan proses Pembuatannya   | 2017  |        |
| <b>Important publications over the last 5 years</b>  | Selected recent publications from a total of approx (9 articles):   |   |        |
|  | 1. Recent Progress on the Development of lignin as future ingredient biobased cosmetics (2023)  |   |        |
|  | 2. Garcidepsidone B from <i>Garcinia parvifolia</i> : antimicrobial activities of the medicinal plants from East and North Kalimantan against dental caries and periodontal disease pathogen (2023) |   |        |
|  | 3. The potential of <i>Macaranga</i> plants as skincare cosmetic ingredients: A review (2023)   |   |        |



4. The role of selected flavonoids from bajakah tampala (*Spatholobus littoralis* Hassk.) stem on cosmetic properties: A review (2023)
5. Sensory evaluation and antibacterial activity of bee pollen extracts isolated from several stingless bees in two drying methods (2023)
6. Potential of prospective medicinal plants of Rhizophoraceae from North Kalimantan, Indonesia (2023)
7. Potential antibacterial and antioxidant activities of ten essential oils from East Kalimantan, Indonesia (2023)
8. Antioxidant, anti-inflammatory and anti-acne activities of stingless bee (*Tetragonula biroi*) propolis (2023)
9. A Mini Review: The Application of Eupatorium Plants as Potential Cosmetic Ingredients (2022)

**Activities in specialist bodies over the last 5 years**

| Organization                                   | Role   | Periode        |
|--|--------|----------------|
| Indonesian Wood Research Society               | Member | 2000 - present |
| The Institution of Indonesian Engineer         | Member | 2019 - present |
| Tropical Ecosystem and Sustainable Development | Member | 2013 - present |





**Name** Prof. Dr. R.R. Harlinda Kuspradini, S.Hut., MP  
**Position** Full Professor

| Academic Career | Doctoral Degree   | University             | Year |
|-----------------|---|------------------------|------|
|                 | Natural Products Chemistry, United Graduate School of Agriculture | Gifu University, Japan | 2009 |

| Academic Career | Master Degree    | University                                 | Year |
|-----------------|------------------|--|------|
|                 | Forestry Science | Faculty of Forestry, Mulawarman University | 2001 |

| Academic Career | Undergraduate degree      | University                                 | Year |
|-----------------|---------------------------|--|------|
|                 | Forest Product Technology | Faculty of Forestry, Mulawarman University | 1998 |

| Employment | Position                       | Employer                                   | Period    |
|------------|--------------------------------|--|-----------|
|            | Vice dean for academic affairs | Faculty of Forestry, Mulawarman University | 2021-2024 |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources (Million IDR) | Period |
|---|-----------------------------------|-------------------------------|--------|
|---|-----------------------------------|-------------------------------|--------|

|  |   |                                    |           |
|--|---|------------------------------------|-----------|
|  | Bioprospeksi Tumbuhan Aromatik Lokal untuk Restorasi Lahan Terdegradasi di Kalimantan Timur (Ketua) | 468,5<br>Kemendikbudristek (PDUPT) | 2022-2023 |
|--|---|------------------------------------|-----------|

|  |   |  |      |
|--|---|--|------|
|  | Pemanfaatan Minyak Atsiri Daun Litsea elliptica Blume sebagai Bahan Pestisida Alami | 5<br>Academic Support Faculty of Forestry, Mulawarman University | 2022 |
|--|---|--|------|

|  |   |                                     |      |
|--|---|-------------------------------------|------|
|  | Karakterisasi Kandungan Kimia dan Bioaktivitas produk Enkapsulasi dari 3 Jenis Minyak Atsiri Kalimantan Timur | 50<br>Kemendikbudristek PDUPT Grant | 2022 |
|--|---|-------------------------------------|------|

|  |   |  |      |
|--|---|--|------|
|  | Karakteristik Sifat Kimia Minyak Atsiri 5 Jenis Herbal Aromatik | 5<br>Academic Support Faculty of Forestry, Mulawarman University | 2021 |
|--|---|--|------|



|  |   |             |
|--|---|-------------|
| <p>Peningkatan Nilai Tambah Hasil Hutan Bukan Kayu Minyak Atsiri dari Tumbuhan Tropis Genus Litsea Berbantu Teknik Histokimia dan Penyulingan<br/>(Tahun ke 3)</p>   | <p>194,5<br/>Kemendikbudristek<br/>(PDUPT)</p>            | <p>2021</p> |
| <p>Efektivitas fraksi minyak atsiri dari distilasi fraksinasi tumbuhan Litsea angulata dan Cinnamomum parthenoxylon terhadap beberapa bakteri asam laktat flora mulut</p>                                    | <p>51,46<br/>Kemenristekdikti Master<br/>Thesis Grant</p> | <p>2019</p> |
| <p>Peningkatan Nilai Tambah Hasil Hutan Bukan Kayu Minyak Atsiri dari Tumbuhan Tropis Genus Litsea Berbantu Teknik Histokimia dan Penyulingan<br/>(Tahun ke 2)</p>   | <p>194,5<br/>Kemendikbudristek<br/>(PDUPT)</p>            | <p>2019</p> |
| <p>Evaluasi Minyak Atsiri dari <i>Scorodocarpus borneensis</i>, <i>Actinodaphne glomerata</i> dan <i>Cinnamomum parthenoxylon</i> sebagai Pendekatan Baru terhadap Bakteri Rongga Mulut<br/>(Tahun ke 3)</p> | <p>125<br/>Ristekdikti Competency<br/>Grant</p>           | <p>2019</p> |
| <p>Potensi Feed Additive Daun Sirih Merah Kalimantan (Piper Crocatum) Sebagai Antibakteri – Antioksidan Pengganti Antibiotik Terhadap Kualitas Karkas Ayam Pedaging<br/>(Anggota Pengusul)</p>               | <p>45<br/>Islamic Development<br/>Bank (IDB)</p>          | <p>2018</p> |
| <p>Eksplorasi Beberapa Jenis Tanaman Paku Sebagai Bahan Kosmetik<br/>(Anggota Tim Pengusul Mitra)</p>  | <p>72,25<br/>Ristekdikti</p>                              | <p>2018</p> |



|  |     |                                |      |
|--|-----|--------------------------------|------|
| Minyak Atsiri <i>Litsea angulata</i> dalam Pemanfaatan Tumbuhan Obat Lokal untuk Kesehatan Gigi  | 47  | Islamic Development Bank (IDB) | 2018 |
| Evaluasi Minyak Atsiri dari <i>Scorodocarpus borneensis</i> , <i>Actinodaphne glomerata</i> dan <i>Cinnamomum parthenoxylon</i> sebagai Pendekatan Baru terhadap Bakteri Rongga Mulut (Tahun ke 2) | 125 | Ristekdikti Competency Grant   | 2018 |
| Peningkatan Nilai Tambah Hasil Hutan Bukan Kayu Minyak Atsiri dari Tumbuhan Tropis Genus <i>Litsea</i> Berbantu Teknik Histokimia dan Penyulingan  | 110 | Kemendikbudristek (PDUPT)      | 2018 |

**Industry collaborations over the last 5 years  
Patents and proprietary rights**

| Patners, if applicable | Amount of financing | Project Titles  | Partners                   | Period       |
|------------------------|---------------------|---|----------------------------|--------------|
|                        |                     | A-TREO (A Tropical Rainforest Essential Oil)  | PT. Mahakarya Tiga Bintang | 2022-present |
|                        |                     |   | Titles                     | Year         |
|                        |                     | Jenis-Jenis Tumbuhan Aromatik Dari Kutai Barat  |                            | 2022         |
|                        |                     | Teknologi Pengolahan Tumbuhan Obat (Ekstraksi)  |                            | 2022         |
|                        |                     | "Rancangan/Karya: Pakan Ayam Pedaging yang Mengandung Aditif Daun Sirih Merah. Perancang: Julinda Romauli Manullang, Harlinda Kuspradini. Edisi: IDS000003619." |                            | 2021         |
|                        |                     | Proses Penyulingan Minyak Atsiri Daun <i>Litsea</i> Spp Dengan Metode Sistem Kukus (Water and Steam Distillation)   |                            | 2019         |
|                        |                     | Minyak Atsiri dari Daun <i>Dryobalanops lanceolata</i> sebagai Herbal Pencegah Karies Gigi  |                            | 2017         |
|                        |                     | Pengolahan Daun <i>Scorodocarpus borneensis</i> Menjadi Minyak Atsiri Penghambat Pertumbuhan Bakteri  |                            | 2017         |

**Important publications over the last 5 years**

| Selected recent publications from a total of approx (49):  |
|--|
| 1. Kuspradini, H., Putri, A. S., Kiswanto, Sa'adah, H., Fajriansyah, Rizqullah, M. A., Larasati, A. G., Zulfa, N. A., Egra, S., Yamauchi, K., & Mitsunaga, T. (2023). The potential of five wild growing aromatic plants from Hemaq Beniung Customary Forest on antidiabetic activity. <i>Biodiversitas</i> , 24(4). |



2. Larasati, A. G., Purba, F. F., Kusuma, I. W., & Kuspradini, H. (2023). Sifat Fisiko-Kimia dan Aktivitas Antimikroba Minyak Atsiri Tumbuhan *Actinodaphne glomerata*. *Teknotan*, 17(2), 137-142.
3. Rizqullah, M. A., Purba, F. F., Kusuma, I. W., & Kuspradini, H. (2023). Karakteristik dan Aktivitas Antimikroba Minyak Atsiri Daun *Actinodaphne borneensis* Terhadap Mikroorganisme Penyebab Karies Gigi. *Teknotan*, 17(2), 123-130.
4. Egra, S., Kuspradini, H., Kusuma, I. W., Batubara, I., Imra, Nurjannah, Wahyuni, E., Yamauchi, K., & Mitsunaga, T. (2023). Potential of prospective medicinal plants of Rhizophoraceae from North Kalimantan, Indonesia. *Biodiversitas Journal of Biological Diversity*, 24(3).
5. Aryani, F., Kusuma, I. W., Meliana, Y., Sari, N. M., & Kuspradini, H. (2023). Potential antibacterial and antioxidant activities of ten essential oils from East Kalimantan, Indonesia. *Biodiversitas Journal of Biological Diversity*, 24(1).
6. Kuspradini, H., Kusuma, I. W., Batubara, I., Yamauchi, K., & Mitsunaga, T. (2023). Garcidepsidon B from *Garcinia parvifolia*: Antimicrobial Activities of The Medicinal Plants from North Kalimantan against Dental Caries and Periodontal Disease Pathogen.
7. Harianja, A. H., Adalina, Y., Pasaribu, G., Winarni, I., Maharani, R., Fernandes, A., Saragih, G. S., Fauzi, R., Tampubolon, A. P., Njurumana, G. N., Sukito, A., Aswandi, A., Kholibrina, C. R., Siswadi, S., Kurniawan, H., Hidayat, M. Y., Wahyuni, R., Koeslulat, E. E., Heryanto, R. B., Basuki, T., Silva, H. D., Ngongo, Y., de Rosari, B., Waluyo, T. K., Turjaman, M., Prabawa, S. B., & Kuspradini, H. (2023). Potential of beekeeping to support the livelihood, economy, society, and environment of Indonesia. *Forests*, 14(2), 321.
8. Putri, A. S., Manurung, R., Rosamah, E., & Kuspradini, H. Profil Fisika Dan Kimia Minyak Atsiri Dari Jenis Tumbuhan *Litsea* Dengan Metode Penyulingan Perebusan. *Tengkawang: Jurnal Ilmu Kehutanan*, 13(1).
9. Rizqullah, M. A., Khairu, M. K., & Kuspradini, H. (2022). Pelatihan Penyulingan Minyak Atsiri Berbahan Rempah Khas Nusantara. *ABDIKU: Jurnal Pengabdian Masyarakat Universitas Mulawarman*, 1(2), 17-25.
10. Kartina, K., Batubara, I., Kuspradini, H., Kusuma, I. W., Wahyuni, W. T., Egra, S., & Mitsunaga, T. (2022). Diversity of medicinal plants used for skincare by Bulungan tribe in North Kalimantan, Indonesia and its melanin biosynthesis inhibition. *Biodiversitas Journal of Biological Diversity*, 23(3).
11. Kuspradini, H., Putri, A. S., Lesmana, D. S., Mustapa, F. C., Zakiah, N., & Wulandari, R. (2022). Pemanfaatan Limbah sebagai Hidroponik dan Pupuk Organik Cair di Desa Sumber Sari, Kutai Barat. *J-ABDIPAMAS (Jurnal Pengabdian Kepada Masyarakat)*, 6(1), 193-200.
12. Egra, S., Adiwena, M., Santoso, D., Kuspradini, H., & Mitsunaga, T. (2022, September). Antibacterial and Natural Pesticide Properties of Nyiri (*Xylocarpus granatum*). In *IOP Conference Series: Earth and Environmental Science* (Vol. 1083, No. 1, p. 012020). IOP Publishing.
13. Kuspradini, H., Putri, A. S., Ardiana, D., & Egra, S. (2022, September). A Comparative Analysis of Essential Oils from Three Species of *Cinnamomum* Growing Wild in East Kalimantan. In *IOP Conference Series: Earth and Environmental Science* (Vol. 1083, No. 1, p. 012011). IOP Publishing.
14. Egra, S., Ramadendi, R., Wahyuni, E., Santoso, D., Sirait, S., Kuspradini, H., Kusuma, I. W., & Yamauchi, K. (2022, September). Exploration of cellulose



- content in oyster mushroom (*Pleurotus ostreatus*) media. In International Conference on Indigenous Knowledge for Sustainable Agriculture.
15. Putri, A. S., Haqiqi, M. T., Supomo, Kusuma, I. W., Kuspradini, H., Rosamah, E., Amirta, R., Paramita, S., Ramadhan, R., Lubis, M. A. R., et al. (2022). A mini review: The application of Eupatorium plants as potential cosmetic ingredients. *Cosmetics*, 9(5), 103.
  16. Kartiko, A. B., Putri, A. S., Rosamah, E., & Kuspradini, H. (2021, April). Evaluation of Antibacterial Activity and Physico-Chemical Profiles of Eucalyptus pellita Essential Oil from East Kalimantan. In Joint Symposium on Tropical Studies (JSTS-19) (pp. 9-13). Atlantis Press.
  17. Egra, S., Mitsunaga, T., & Kuspradini, H. (2021, April). Antioxidant and Antimicrobial Activity: The Potency of Selaginella intermedia Leaves Against Oral Pathogen. In Joint Symposium on Tropical Studies (JSTS-19) (pp. 293-297). Atlantis Press.
  18. Putri, A. S., Pasedan, W. F., Kusuma, I. W., & Kuspradini, H. (2021, April). Antioxidant and antibacterial activity from three different solvents of Nephelium ramboutan-ake leaves crude extract. In Joint Symposium on Tropical Studies (JSTS-19) (pp. 14-17). Atlantis Press.
  19. Silau, S., Kuspradini, H., & Kusuma, I. W. (2021, April). Effectiveness of Distillation Models on Bioactivity from Essential Oil Fraction of Cinnamomum camphora (L.) J. Presl. In Joint Symposium on Tropical Studies (JSTS-19) (pp. 304-307). Atlantis Press.
  20. Kusuma, I. W., Rosamah, E., & Kuspradini, H. (2021, April). Antibacterial Activity Against Propionibacterium acnes of n-Hexane Fractions from Siam Weed Leaves (*Chromolaena odorata*). In Joint Symposium on Tropical Studies (JSTS-19) (pp. 201-204). Atlantis Press.
  21. Purba, R., Arung, E. T., Kuspradini, H., & Tarigan, D. (2021, April). Isolation of Active Compounds from Original Plants of East Kalimantan as Cosmetics. In Joint Symposium on Tropical Studies (JSTS-19) (pp. 283-287). Atlantis Press.
  22. Purnamasari, F., Kuspradini, H., & Mitsunaga, T. (2021, April). Estimation of total phenol content and antimicrobial activity in different leaf stage of *Lepisanthes amonea*. In Joint Symposium on Tropical Studies (JSTS-19) (pp. 163-165). Atlantis Press.
  23. Kuspradini, H., Putri, A. S., Paramma, D., Virdana, W. N., Jone, Y. M. R., Melinda, F., & Riska, R. (2021). Peningkatan Literasi Masyarakat Desa Asa, Barong Tongkok, Kutai Barat Era New Normal. *J-ABDIPAMAS (Jurnal Pengabdian Kepada Masyarakat)*, 5(1), 75-86.
  24. Kartiko, A. B., Kuspradini, H., & Rosamah, E. (2021). Karakteristik minyak atsiri daun *Melaleuca leucadendra* L. dari empat lokasi yang berbeda Di Kabupaten Paser Kalimantan Timur. *ULIN J. Hutan Trop*, 5, 80-85.
  25. Kuspradini, H., Putri, A. S., & Diana, R. (2020). Toxicity, antioxidant ability and inhibition of oral pathogens by monoterpene-rich essential oil of *Litsea angulata* Blume. *Agriculture and Natural Resources*, 54(2), 223-228.
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- natural resource? based disease treatments. *Biodiversitas Journal of Biological Diversity*, 21(11).
28. Rosamah, E., Ferliyanti, F., Kuspradini, H., Dungani, R., & Aditiawati, P. (2020). Chemical content in two teak woods (*Tectona grandis* Linn. F.) that has been used for 2 and 60 years. *J. Biol. Sci. Technol. Manag*, 2, 15-19.
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  31. Egra, S., Mardhiana, M., Rahayu, N. I., Nurjannah, N., Sirait, S., Santoso, D., Pradana, A. P. P., Kuspradini, H., & Mitsunaga, T. (2020). Aktivitas senyawa antibakteri ekstrak parepat (*Sonneratia alba*) terhadap pertumbuhan *Ralstonia solanacearum* dan *Streptococcus sobrinus*. *J-PEN Borneo: Jurnal Ilmu Pertanian*, 3(2).
  32. Andini, D. T., Kuspradini, R. H., Kusuma, I. W., Rosamah, E., Nugroho, R. A., & Arung, E. T. (2020). Beepoleen *Tetragonula testaceitarsis* Antibacteria (*Propionibacterium acnes*) Test. *MCTrops*, 1(1), 18-23.
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  34. Arung, E. T., Sinamabela, J. R., Rosamah, E., Kusuma, I. W., Kuspradini, H., Alam, A. E., Amen, Y., Tanaka, H., Satria, D., Shimizu, K., & Ishikawa, H. (2019). Antioxidant and antimelanogenesis activities of glyasperin A from *Macaranga pruinosa* leaves. *Natural Product Communications*, 14(7).
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  36. Egra, S. A. A. T., Kusuma, I. W., Arung, E. T., & Kuspradini, H. (2019). The potential of white-oyster mushroom (*Pleurotus ostreatus*) as antimicrobial and natural antioxidant. *Biofarmasi J. Nat. Prod. Biochem*, 17(1), 14-20.
  37. Kuspradini, H., Silau, S., Supartini, S., Rosamah, E., & ICTROPS. (2019). Comparative antimicrobial studies on plant species known as 'Pasak Bumi': *Eurycoma longifolia* Jack., *Rennelia elliptica* Korth. and *Trivalvaria macrophylla* miq. *F1000Research*, 8, 301.
  38. Ine, S., Kuspradini, H., & Manalu, J. (2019). Antimicrobial Activity and Phytochemical Properties of *Actinodaphne Glomerata* Leaves Extract. *Asian Journal of Pharmaceutical Research and Development*, 7(1), 24-26.
  39. Egra, S., Patriawan, R., Sirait, S., & Kuspradini, H. (2019). Aktivitas Antimikroba Tanaman Paku (*Stenochlaena palustris* dan *Pteridium caudatum*) Terhadap Bakteri (*Ralstonia solanacearum* dan *Streptococcus sobrinus*). *Jurnal Jamu Indonesia*, 4(1), 28-36.
  40. Egra, S., Mardhiana, M., Rofin, M., Adiwena, M., Jannah, N., Kuspradini, H., & Mitsunaga, T. (2019). Aktivitas antimikroba ekstrak bakau (*Rhizophora*

*mucronata*) dalam menghambat pertumbuhan *Ralstonia solanacearum* penyebab penyakit layu. *Agrovigor: Jurnal Agroekoteknologi*, 12(1), 26-31.

41. Egra, S., Mardiana, M., Kurnia, A., Kartina, K., Murtilaksono, A., & Kuspradini, H. (2019). Uji Potensi Ekstrak Daun Tanaman Ketepeng (*Cassia alata* L) Dalam Menghambat Pertumbuhan Bakteri *Ralstonia solanacearum* dan *Streptococcus sobrinus*. *Ulin–J Hut Trop*, 3(1), 25-31.
42. Kuspradini, H., Wulandari, I., Putri, A. S., Tiya, S. Y., & Kusuma, I. W. (2018). Phytochemical, antioxidant and antimicrobial properties of *Litsea angulata* extracts. *F1000Research*, 7.
43. Wulandari, I., Kusuma, I. W., & Kuspradini, H. (2018, April). Antioxidant and antibacterial activity of *Litsea garciae*. In *IOP Conference Series: Earth and Environmental Science* (Vol. 144, No. 1, p. 012024). IOP Publishing.
44. Kuspradini, H., Putri, A. S., & Mitsunaga, T. (2018, April). Antibacterial and glucosyltransferase enzyme inhibitory activity of *helmyntostachyszelanica*. In *IOP Conference Series: Earth and Environmental Science* (Vol. 144, No. 1, p. 012025). IOP Publishing.
45. Putri, A. S., Purba, F. F., Kusuma, I. W., & Kuspradini, H. (2018, April). Chemical compositions and antimicrobial potential of *Actinodaphne macrophylla* leaves oils from East Kalimantan. In *IOP Conference Series: Earth and Environmental Science* (Vol. 144, No. 1, p. 012021). IOP Publishing.
46. Sari, N. M., Kuspradini, H., Amirta, R., & Kusuma, I. W. (2018, April). Antioxidant activity of an invasive plant, *Melastoma malabathricum* and its potential as herbal tea product. In *IOP Conference Series: Earth and Environmental Science* (Vol. 144, No. 1, p. 012029). IOP Publishing.
47. Aktivitas Antioksidan Ekstrak *Litsea elliptica* (Prosiding Seminar Nasional Fakultas Pertanian Universitas Mulawarman, 2018)
48. Aktivitas Anti jamur Ekstrak *n*-Heksana *Litsea rubiginosa* (Prosiding Seminar Nasional Fakultas Pertanian Universitas Mulawarman, 2018)
49. Kuspradini, H., Egra, S., Wulandari, I., & Putri, A. S. (2018). Chemical composition and bioactivity of essential oil from the leaves of *Scorodocarpus borneensis* Becc. (*Olacaceae*) grown in Indonesia. *Asia Life Sciences*, 27(2), 343-353.

**Activities in specialist bodies over the last 5 years**

| Organization  | Role   | Periode |
|---|--------|---------|
| Organization for Women in Science for the Developing World (OWSD) | Member |         |
| Dewan Atsiri Indonesia (DAI)                                      | Member |         |
| Indonesian Association of Essential Researchers (APAI)            | Member |         |
| The National Association for Holistic Aromatherapy                | Member |         |
| Indonesian Young Scientist (IYSF) for COVID-19                    | Member |         |



Etam Kawa Enterprise

Member

A-TREO (A Tropical  
Rainforest Essential Oil)

Owner

2019-present

Forestry Multi Business  
Team KLHK

Member





**Name** Prof. Dr. Rudianto Amirta, S.Hut., MP  
**Position** Full Professor

| Academic Career | Doctoral Degree                                      | University              | Year      |
|-----------------|--|-------------------------|-----------|
|                 | Applied Life Science, Graduate School of Agriculture | Kyoto University, Japan | 2001-2005 |

| Academic Career | Master Degree             | University                                 | Year      |
|-----------------|---------------------------|--|-----------|
|                 | Forest product technology | Faculty of Forestry, Mulawarman University | 1997-2000 |

| Academic Career | Undergraduate degree      | University                                 | Year      |
|-----------------|---------------------------|--|-----------|
|                 | Forest product technology | Faculty of Forestry, Mulawarman University | 1991-1996 |

| Employment | Position                        | Employer                                   | Period                 |
|------------|---------------------------------|--|------------------------|
|            | Lecturer                        | Faculty of Forestry, Mulawarman University | 1997-present           |
|            | Dean of the Faculty of Forestry | Faculty of Forestry, Mulawarman University | 2016-2020<br>2020-2024 |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources (Million IDR) | Period |
|---|-----------------------------------|-------------------------------|--------|
|---|-----------------------------------|-------------------------------|--------|

|  |  |            |      |
|--|--|------------|------|
|  | Penggunaan Katalis Peroxo-Metal Complex Pada Proses Perlakuan Awal (Pretreatment) Bahan Baku, Guna Meningkatkan Produktifitas Gula Tereduksi Dan Etanol Dari Biomassa Berlignoselulosa | 35<br>IsDB | 2021 |
|--|--|------------|------|

|  |   |                            |      |
|--|---|----------------------------|------|
|  | Pembuatan Arang Premium dan Asap Cair Dalam Rangka Pemanfaatan Limbah Kayu Sisa Penebangan Untuk Meningkatkan Taraf Hidup Masyarakat di Kecamatan Muara | 170<br>RISTEKDIKTI<br>PTTG | 2019 |
|--|---|----------------------------|------|

Badak dan Kota Bangun,  
Kutai Kartanegara

|  |  |      |
|--|--|------|
| Pyrolysis-Gas<br>Chromatography/ Mass<br>Spectroscopy study of<br>fast growing wood<br><i>Macaranga</i> species and<br>the pyrolysis oil | 110<br>RISTEKDIKTI<br>KLN                      | 2019 |
| Model Penyediaan Listrik<br>Desa Berbasis Biomassa<br>Hutan untuk Wilayah<br>Pedalaman dan Perbatasan<br>di Kalimantan                   | 140<br>RISTEKDIKTI-<br>STRANAS Institusi (PSI) | 2018 |

**Industry  
collaborations  
over the last 5  
years  
Patents and  
proprietary  
rights  
Important  
publications  
over the last 5  
years**

| Patners, if applicable | Amount of financing | Partners | Period |
|------------------------|---------------------|----------|--------|
| Project Titles         |                     |          |        |
| -                      |                     | -        | -      |

| Titles | Year |
|--------|------|
| -      | -    |

Selected recent publications from a total of approx (13):

1. Haqiqi MT, Bankeeree W, Lotrakul P, Pattananuwat P, Punnapayak H, Ramadhan R, Kobayashi T, Amirta R, Prasongsuk S. 2021. Antioxidant and UV-Blocking Properties of a Carboxymethyl Cellulose–Lignin Composite Film Produced from Oil Palm Empty Fruit Bunch. *CS Omega*, 6(14): 9653–9666. DOI: 10.1021/acsomega.1c00249.
2. Mukhdlor A, Haqiqi MT, Suwinarti W, Tirkaamiana MT, Amirta R. 2021. Assessment of Wood Biomass Productivity from *Anthocephalus macrophyllus* Forest Plantation for Energy Production. Proceedings of the Joint Symposium on Tropical Studies (JSTS-19). *Advances in Biological Sciences Research*, 11: 21-25. DOI: 10.2991/absr.k.210408.005.
3. Subagyono RRDJN, Qi Y, Chaffee AL, Amirta R, Marshall M. 2021. Pyrolysis-Gc/Ms Analysis of Fast Growing Wood *Macaranga* Species. *Indonesian Journal of Science & Technology*, 6 (1): 141-158. DOI: 10.17509/ijost.v6i1.
4. Wulandari R, Lotrakul P, Punnapayak H, Amirta R, Kim SW, Prasongsuk S. 2021. Toxicity evaluation and biodegradation of phenanthrene by laccase from *Trametes polyzona* PBURU 12. *3 Biotech*, 11 (32): 1-11. DOI: 10.1007/s13205-020-02556-z
5. Ramadhan R, Phuwapraisirisan P., Kusuma I.W., and. Amirta R. 2020. Ethnopharmacological evaluation of selected East Kalimantan flora for diabetes therapy: the isolation of lupane triterpenoids as  $\alpha$ -glucosidase inhibitors from *Ceriops tagal* (perr) C.B.ROBB. *Rasayan J. Chem.*, 13 (3):1727-1734. DOI: 10.31788/RJC.2020.1335559
7. Yuliansyah, Haqiqi MT, Septia E, Mujiasih D, Helmi AS, Setiawan KA, Setiyono B, Angi EM, Saparwadi, Sari NM, Kusuma IW, Rujehan, Suwinarti W, Amirta R 2019. Diversity of plant species growing during fallow period of shifting cultivation and potential of its biomass for sustainable energy production in

- Mahakam Ulu, East Kalimantan, Indonesia. Biodiversitas, 20 (8): 2236-2242. DOI: 10.13057/biodiv/d200818
8. Ramadhan R, Kristanti AN, Amirta R, Kusuma IW, Phuwapraisirisan P, Haqiqi MT, Saparwadi. 2019. Screening for potential antidiabetes and antioxidant activities of selected plants from East Kalimantan, Indonesia. 20 (7): 1820-1826. DOI:10.13057/biodiv/d200705
  9. Amirta R, Haqiqi MT, Saparwadi, Septia E, Mujiasih D, Setiawan KA, Sekedang MA, Yuliansyah, Wijaya A, Setiyono B, Suwinarti W. 2019. Searching for potential wood biomass for green energy feedstock: A study in tropical swamp-peat forest of Kutai Kertanegara, Indonesia. Biodiversitas, 20 (6):1516-1523. DOI:10.13057/biodiv/d200605
  10. Subagyono RR DJN, Qi Y, Sanjaya AS, Amirta R, Chaffee AL. 2019. Pyrolysis-GC/MS study of fast growing wood *Macaranga gigantea*. IOP Conf. Series: Journal of Physic: Conf. Series 1277-012003: 1-7. DOI: 10.1088/1742-6596/1277/1/012003.
  11. Wulandari R, Lotrakul, P, Amirta R, Kim SW, Punnapayak H, Prasongsuk S. 2018. First record of *Ceriporia inflata* and *Ceriporia lacerata* (Phanerochaetaceae, Basidiomycota) from Indonesian tropical forest. Agriculture and Natural Resources, 52: 412-418
  12. Arung ET, Amirta R, Zhu Q, Amen Y, Shimizu K. 2018. Effect of wood, bark and leaf extracts of *Macaranga* trees on cytotoxic activity in some cancer and normal cell lines. Journal of the Indian Academy of Wood Science, 15 (2): 115–119.
  13. Amirta R, Anwar T, Sudrajat, Yuliansyah, and Suwinarti W. 2018. Trial production of fuel pellet from *Acacia mangium* bark waste biomass. IOP Conf. Series: Earth and Environmental Science, 144-012040: 1-8. DOI: 10.1088/1755-1315/144/1/012040.
  14. Haqiqi MT, Yuliansyah, Suwinarti W and Amirta R. 2018. Response surface methodology to simplify calculation of wood energy potency from tropical short rotation coppice species. IOP Conf. Series: Earth and Environmental Science, 144-012041: 1-7. DOI: 10.1088/1755-1315/144/1/012041.

| Activities in specialist bodies over the last 5 years | Organization  | Role      | Periode      |
|---|---|-----------|--------------|
|   | FOReTIKA, Forum Pimpinan Perguruan Tinggi Kehutanan Se-Indonesia.                             | Member    | 2017-present |
|   | Forum Konsultasi KPH Kendilo, Provinsi Kalimantan Timur                                       | Chairman  | 2018-present |
|   | Kelompok Kerja (POKJA) Pengembangan Energi Berbasis Biomassa Hutan, Provinsi Kalimantan Timur | Secretary | 2017-2018    |
|   | Dewan Riset Daerah Provinsi Kalimantan Timur  | Member    | 2016-present |
|   | Persatuan Insinyur Indonesia (PII)  | Member    | 2018-present |



|   |        |              |
|---|--------|--------------|
| MAPEKI (Masyarakat Peneliti Kayu Indonesia)                                 | Member | 2000-present |
| Japan Society for the Promotion of Science (JSPS) Alumny                    | Member | 2005-present |
| Himpunan Alumni Kyoto University (HAKU)                                     | Member | 2005-present |
| Konsorsium Korea-ASEAN Biomass Utilization and Renewable Energy Development | Member | 2010-present |
| PERSAKI (Persatuan Sarjana Kehutanan Indonesia)                             | Member | -            |



**Name** Prof. Dr. Karyati, S.Hut, M.P.  
**Position** Full Professor

| Academic Career   | Doctoral Degree  | University                                 | Year           |
|---|--|--|----------------|
|   | Forest Science   | Universiti Malaysia Serawak                | 2013           |
| Academic Career   | Master Degree  | University                                 | Year           |
|   | Forest Management  | Mulawarman University                      | 1998           |
| Academic Career   | Undergraduate degree   | University                                 | Year           |
|   | Forest Management  | Mulawarman University                      | 1996           |
| Employment  | Position   | Employer                                   | Period         |
|   | Lecturer   | Faculty of Forestry, Mulawarman University | 1999-present   |
| Research and development projects over the last 5 years | Name of project or research focus  | Funding Sources (Million IDR)              | Period         |
|   | Potensi Cadangan Karbon dan Nilai Ekonomis Lahan Terlantar   | 284.75<br>Kemendikbudristek                | 2019 – 2021    |
|   | Strategi Rehabilitasi Lahan dan Konservasi Tanah (RLKT) pada Lahan Kritis dengan Sistem Agroforestri | 145<br>Kemendikbudristek                   | 2017 – 2018    |
| Industry collaborations over the last 5 years           | Patners, if applicable   | Amount of financing                        | Project Titles |
|   | -  | -  | -              |
| Patents and proprietary rights                          | Titles   |  | Year           |
|   | Agroklimatologi (No. P/ID 000393237)   |  | 2022           |
|   | Perencanaan dan Evaluasi Proyek (No. P/ID 000371062)   |  | 2022           |
|   | Aspek Ekologi dan Ekonomi Lahan Terbiarkan di Kalimantan Timur (No. P/ID 000267012)                  |  | 2021           |
|   | Panduan Praktikum Mikroklimatologi Hutan (No. P/ID 000244771)  |  | 2021           |

|   |      |
|---|------|
| Emisi Gas Rumah Kaca Kota Samarinda : Tantangan dan Peluang Mitigasi (No. P/ID 000180540)                     | 2020 |
| Panduan Praktikum Konservasi Tanah dan Air (No. P/ID 000180147)   | 2019 |
| Mikroklimatologi Hutan (No. P/ID 000154449)   | 2019 |
| Teknologi Konservasi Tanah dan Air (No. P/ID 000115424)   | 2018 |
| Jenis-jenis Tumbuhan Bawah di Hutan Pendidikan Fakultas Kehutanan Universitas Mulawarman (No. P/ID 000112080) | 2018 |

**Important publications over the last 5 years**

Selected recent publications from a total of approx (12):

1. Conservation and economic aspects of a combination of forestry-agricultural crops (*Neolamarckia cadamba-Phaseolus vulgaris*) and terrace systems in different slope classes, Penulis: Karyati, Sri Sarminah, Karmini, Ali Muhammad Akbar, & Rifaldi Hermansyah, Nama Jurnal: SAINS TANAH - Journal of Soil Science and Agroclimatology, Volume Jurnal: 18, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, Halaman: 98-106, ISSN: 1412-3606 E-ISSN: 2356-1424, Penerbit: Department of Soil Science, Faculty of Agriculture, Universitas Sebelas Maret (2021)
2. The Ecological and Economic Values of a 50 Years Old Secondary Forest in East Kalimantan, Indonesia, Penulis: Karmini, Karyati, & Kusno Yuli Widiati, Nama Jurnal: Biodiversitas, Volume Jurnal: 22, Nomor Jurnal: 10, Tahun Terbit Jurnal: 2021, Halaman: 4597-4607, ISSN: 1412-033X, E-ISSN: 2085-472, Penerbit: Society for Indonesian Biodiversity (2021)
3. Buku: Aspek Ekologi dan Ekonomi Lahan Terbiarkan di Kalimantan Timur, Penulis: Karyati, Karmini, dan Kusno Yuli Widiati, ISBN: 978-623-7480-70-9, Penerbit: Mulawarman University Press, Jumlah Halaman: 102 (2021)
4. Karakteristik Iklim Mikro di Taman Sejati Kota Samarinda, Penulis: Karyati, Suci Rahmatika Cahyaningprastiwi, & Sri Sarminah, Nama Jurnal: Jurnal Penelitian Ekosistem Dipterokarpa, Volume Jurnal: 7, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, Halaman: 11-22, ISSN: 2460-5875, E-ISSN: 2460-5883, Penerbit: Balai Besar Penelitian dan Pengembangan Ekosistem Hutan Dipterokarpa (2021)
5. Kandungan Polutan Daun pada Pohon-Pohon di Arboretum UPT LSHK Universitas Mulawarman, Penulis: Helsa Yuliana, Karyati, & Muhammad Syafrudin, Nama Jurnal: Jurnal Penelitian Ekosistem Dipterokarpa, Volume Jurnal: 7, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, Halaman: 1-10, ISSN: 2460-5875, E-ISSN: 2460-5883, Penerbit: Balai Besar Penelitian dan Pengembangan Ekosistem Hutan Dipterokarpa (2021)
6. Biomassa dan Cadangan Karbon Tiga Jenis Tumbuhan Herba (*Cyclosorus interruptus*, *Nephrolepis biserrata*, dan *Digitaria didactyla*) pada Periode Penyiangan Berbeda, Penulis: Eni Susanti, Karyati, & Muhammad Syafrudin, Nama Jurnal: ULIN - Jurnal Hutan Tropis, Volume Jurnal: 5, Nomor Jurnal: 2, Tahun Terbit: 2021, Halaman: 65-71, pISSN 2599 1205, E-ISSN: 2599-1183, Penerbit: Fakultas Kehutanan Universitas Mulawarwan (2021)
7. Suhu dan Kelembapan Tanah pada Posisi Topografi dan Kedalaman Tanah Berbeda di Taman Sejati Kota Samarinda, Penulis: Suci Rahmatika Cahyaningprastiwi, Karyati, & Sri Sarminah, Nama Jurnal: Agrifor, Volume Jurnal: 20, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2021, Halaman: 189-198, ISSN:

2460-5875, E-ISSN: 1412-6885, EISSN: 2503-4960, Penerbit: LPPM Universitas  
17 Agustus 1945 Samarinda (2021)

8. Kandungan Beberapa Polutan dan Kadar Debu pada Daun Ketapang (*Terminalia catappa L.*) di Kota Samarinda Provinsi Kalimantan Timur, Penulis: Yuliara Limbong, Karyati, & Sri Sarminah, Nama Jurnal: Perennial, Volume Jurnal: 17, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2021, Halaman: 55-61, ISSN: 1412-7784, EISSN: 2685-6859, Penerbit: Fakultas Kehutanan Universitas Hasanuddin (2021)
9. Allometric Equations to Estimate the Aboveground Biomass of Seedling and Sapling Plants in 10 and 20 Years Old of Secondary Forests in Sarawak, Malaysia, Penulis: Karyati; Isa B. Ipor, Ismail Jusoh, & Mohd. Effendi Wasli, Nama Seminar/Konferensi/Simposium: The Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Faculty of Forestry, Mulawarman University, Waktu Penyelenggaraan Seminar/Konferensi/Simposium: 4-6 September 2019, ISSN: 2468-5747 / 978-94-6239-362-2 (2021)
10. The Correlation and Relationship Between Diameter Increment and Climatic Elements in a Secondary Forest of Universiti Malaysia Sarawak, Malaysia, Penulis: Karyati, Isa B. Ipor, Ismail Jusoh, & Mohd. Effendi Wasli, Nama Seminar/Konferensi/Simposium: International Conference on Tropical Agrifood, Feed and Fuel (ICTAFF 2021), Penyelenggara Seminar/Konferensi/Simposium: Agriculture Faculty, Mulawarman University, Waktu Penyelenggaraan Seminar/Konferensi/Simposium: 7 September 2021, ISSN: 2468-5747 / 978-94-6239-510-7 (2022)
11. Paddy Farm Income in Relation to Experience and Geographical Regions in East Kalimantan, Indonesia, Penulis: Karmini & Karyati, Nama Seminar/Konferensi/Simposium: International Conference on Tropical Agrifood, Feed and Fuel (ICTAFF 2021), Penyelenggara Seminar/Konferensi/Simposium: Agriculture Faculty, Mulawarman University, Waktu Penyelenggaraan Seminar/Konferensi/Simposium: 7 September 2021, ISSN: 2468-5747 / 978-94-6239-510-7 (2022)
12. Buku: Perencanaan dan Evaluasi Proyek, Penulis: Karmini dan Karyati, ISBN: 978-623-5262-13-0, Penerbit: Mulawarman University Press, Jumlah Halaman: 170 (2022)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Dr. Ir. Isna Yuniar Wardhani, M.P.  
**Position** Associate Professor

| Academic Career | Doctoral Degree      | University          | Year                                       |
|-----------------|----------------------|---------------------|--|
|                 |                      | Faculty of Forestry | IPB University                             |
|                 | Master Degree        | University          | Year                                       |
|                 |                      | Forestry Science    | Faculty of Forestry, Mulawarman University |
|                 | Undergraduate degree | University          | Year                                       |
|                 |                      | Faculty of Forestry | Faculty of Forestry, Mulawarman University |

| Employment | Position | Employer | Period                                     |
|------------|----------|----------|--|
|            |          | Lecturer | Faculty of Forestry, Mulawarman University |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources  | Period              |
|---|---|--|---------------------|
|   |   | Kualitas Kerekatan Balok Lamina Kayu Meranti Merah ( <i>Shorea Spp.</i> ) yang Tidak Dikeringkan Dan Tidak Diketam dengan Perekat PVAc | Faculty of Forestry |
|   | Pemanfaatan Limbah Serbuk Meranti Merah ( <i>Shorea Spp</i> ) dan Ulin ( <i>Eusideroxylon Zwageri</i> ) sebagai Bahan Papan Komposit Plastik (WPC) dengan Polimer Polipropilena dan Polietilena | Faculty of Forestry  | 2023                |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners                                     | Period                              |
|-------------------------|------------------------|---------------------|----------------|--|-------------------------------------|
|                         |                        |                     |                | Quality Consultant of Glued Laminated Timber | PT Cahaya Samtraco Utama, Samarinda |





over the last 5 years    Eco Smart House    PT MHU, PT Idea Borneo    2023  
Construction

Patents and proprietary rights    Titles    Year  
-    -

Important publications over the last 5 years    Selected recent publications from a total of approx (7):

1. Iskandar, Edy, Budiarmo, I., Wardhani, I. Y., & Budi, A. S. (2018). Physical and Mechanical Properties on Densified Boards of Sengon (*Paraserianthes falcataria*). Paper presented at the 2018 International Conference on Applied Science and Technology for Engineering Science (ICAST-ES), Politeknik Negeri Manado, 26-27 Oktober. ISBN: 978-1-5386-7547-2. Jumlah Halaman: 7
2. Edy, B., Yuniar, W. I., & Agus, S. B. (2019). Comparison of Densified Sengon and Mahang Boards at 43% Densification Target, 150°C Temperature, and 6.0 Minute Pressing Time. *Russian Journal of Agricultural and Socio-Economic Sciences*, 7(Juli 2019), 8. ISSN: 2226-1184.
3. A Preliminary Investigation Into the Suitability of Kawui Wood (*Vernonia arbore*) for Pulp and Paper. *Jurnal: Internasional Wood Product Journal*. Jumlah Hal: 9. Terindeks Scopus Q3 (2020)
4. Wardhani, I. Y. (2021). Comparison Study of Mechanical Properties of Wood with the Composite Polyester/Bangkirai Wood Powder (*Shorea laevis* Endert) and Lime Wood (*Dryobalanops aromatica* Gaertn). *AIP Conference Proceeding*, 2384(1), 7. AIP Publishing.
5. Hayati, W. A., Husien, N., Wahyuni, S., Wardhani, I. Y., & Budi, A. S. (2021, April 10). Patterns of Iron Stain on Gelam Wood (*Melaleuca cajuputi* Powell). *Joint Symposium on Tropical Studies (JSTS-19)*, 410-413. Atlantis Press.
6. Iskandar, Edy, Budiarmo, I., Wardhani, I. Y., & Budi, A. S. (2021). Optional Thickness and Heating Time Based on Physical and Mechanical Properties of Densified Sengon Board. *Joint Symposium on Tropical Studies (JSTS-19)*. Atlantis Press. Jumlah Halaman: 6 (2021).
7. Budi, A. S., & Wardhani, I. Y. (2022). Struktur dan Penggolongan Kayu Famili Sapotaceae (Perspektif Kajian Anatomis Xylem Sekunder). Mulawarman University Press. ISBN: 978-623-5262-32-1. Jumlah Halaman: 165

| Activities in specialist bodies over the last 5 years | Organization                   | Role   | Periode      |
|---|--------------------------------|--------|--------------|
|   | Wood Research Society (MAPEKI) | Member | 1998-present |
|   | JSPS Alumni                    | Member | 2017-present |



**Name** Dr. Ir. Nani Husien, M.Sc.

**Position** Associate Professor

| Academic Career | Doctoral Degree | University            | Year |
|-----------------|-----------------|-----------------------|------|
|                 | Forestry        | Mulawarman University | 2022 |

| Academic Career | Master Degree | University                       | Year |
|-----------------|---------------|----------------------------------|------|
|                 | Holzbiologie  | Universitat Goettingen<br>Jerman | 1995 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Forest Product       | Mulawarman University | 1989 |

| Employment | Position | Employer                                      | Period       |
|------------|----------|---|--------------|
|            | Lecturer | Faculty of Forestry,<br>Mulawarman University | 1990-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Industry collaborations over the last 5 years | Patners, if applicable | Amount of financing |
|---|------------------------|---------------------|
|   | -                      | -                   |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   | -              | -        | -      |

| Patents and proprietary rights | Titles                                 | Year |
|--------------------------------|--|------|
|                                | Handbook : Chemical Elements Around Us | 2023 |

|  |  |      |
|--|--|------|
|  | Calistung Module : Learn to Read, Write and Count With Fun Way | 2023 |
|  | Video Profile of Karya Jaya Village Samboja                    | 2023 |

| Important publications over the last 5 years | Selected recent publications from a total of approx :<br>(15 publications)  |
|--|---|
|  | 1. Detection of Reaction Wood of Mahagony Using Two Differences Methods. Author: Nani Husien, Erwin, Nobian Fillemond, Agus Sulisto Budi. Interational Journal of Agronomy and Tropical Plants (2018) |

2. Ciri Makroskopis, Kekerasan dan Berat Jenis Fosil Kayu Asal Desa Purwajaya Kutai Kartanegara. Penulis : Robin Sulistyo, Nani Husien, Erwin, dan Agus Sulistyo Budi. Jurnal : Ulin (J Hut Trop 5 (1). Halaman : 41-49). pISSN : 2599 1205, eISSN : 2599 1183 (2021)

3. Patterns of Iron Stain on Gelam Wood (*Melaleuca cajuputi* Powell) Windy Agustiana Hayati, Erwin, Nani Husien, Sri Wahyuni, Isna Yuniar Wardhani, Agus Sulistyo Budi (2021)

4. Analisa Mikroskopis dan Kehilangan Berat Pada Kayu Kapur (*Dryobalanops* sp) Yang Terinfeksi Jamur Pelapuk Putih (*Schizophyllum commune*) Penulis : Erlina Yustika, Erwin, Nani Husien (2021)
5. Wood Macroscopic and Fiber Dimensions of Pasak Bumi Root (*Eurycoma longifolia*). Penulis : Erwin, Elma Yossiana, Sri Wahyuni, Nani Husien, Agus Sulisty Budi. Proceedings of the Joint Symposium on Tropical Studies (JSTS-19). Penerbit : Atlantis Press. (2021)
6. Identification of Fossil Wood from Samarinda, East Borneo. Penulis : Nani Husien, Sri Wahyuni, Erwin, Agus Sulisty Budi. Proceedings of the Joint Symposium on Tropical Studies (JSTS-19). Penerbit : Atlantis Press. (2021)
7. The Existence of Reaction Wood on Branch of Teak Wood (*Tectona Grandis* Linn.F) (Macroscopical Characteristic), penulis : Fakhrurozi, Nani Husien, Erwin, Sri Wahyuni, Agus Sulisty Budi. Proceedings of the Joint Symposium on Tropical Studies (JSTS-19). Penerbit : Atlantis Press. (2021)
8. Struktur Makroskopis dan Mikroskopis Fasil Kayu Asal Desa Bangun Rejo, Kabupaten Kutai Kertanegara. Penulis artile : Mia Maulida, Nani Husien, Agus Sulisty Budi. Ulin (J Hut Trop 5 (1). Halaman : 91-97). pISSN : 2599 1205, eISSN : 2599 1183 (2022)
9. Karakteristik Sifat Fisik dan Anatomi Kayu Jati Jawa yang Tumbuh di Kalimantan Timur. Penulis : Nani Husien, Nur Rahma Hastuti , Agus Sulityo Budi. Jurnal Pendidikan dan Konseling Volume 4 Nomor 5 Tahun (2022)
10. Analisis Hasil Belajar Matematika Siswa Sebelum dan Sesudah Diterapkan Model Pembelajaran Course Review Horay. Jurnal Pendidikan dan Konseling. Vol. 4 Nomor 5 Tahun 2022. Penulis : Sergio dan Nani Husien (2022)
11. Analisis dan Kerapatan Kadar Abu Pada Kayu Kapur (*Dryobalanops* sp.) yang Terinfeksi Jamur Pleapuk Putih PUTIH (*Schizophyllum commune*) Erlina Yustika, Erwin, Nani Husien , Agus Sulisty Budi, Sri Wahyuni (2022)
12. Buku: Desa Mandiri Menyongsong Pembangunan IKN (2022)
13. Karakteristik Sifat Fisik dan Anatomi Kayu Jati Jawa yang Tumbuh di Kalimantan Timur (2022)
14. Characteristics of Fossil Wood from Loa Tebu Kutai Kertanegara, East Kalimantan (2023)

| Activities in specialist bodies over the last 5 years | Organization                     | Role   | Periode      |
|---|----------------------------------|--------|--------------|
|   | MAPEKI                           | Member | 2000-present |
|   | IWoRS                            | Member | 2009-present |
|   | WUSKI                            |        |              |
|   | IKA Unmul                        | Member | 2004-present |
|   | Masyarakat Biodiversitas         | Member | 2005-present |
|   | Masyarakat Silvikultur Indonesia | Member | 2019-present |
|   | Perhimpunan Etnobotani Indonesia | Member | 2019-present |



**Name** Ir. Sri Asih Handayani, M.P.  
**Position** Associate Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree  | University            | Year |
|-----------------|----------------|-----------------------|------|
|                 | Forest Product | Mulawarman University | 2001 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Forest Product       | Hasanuddin University | 1990 |

| Employment | Position | Employer                                     | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry<br>Mulawarman University | 1991-present |

| Research and development projects over the last 5 years | Name of project or research focus  | Funding Sources                              | Period |
|---|--|--|--------|
|   | Pemanfaatan Kayu Resak ( <i>Vatica sp.</i> ) dari Lahan Terbiarkan sebagai Bahan Konstruksi Bangunan | Faculty of Forestry<br>Mulawarman University | 2022   |

| Research and development projects over the last 5 years | Name of project or research focus  | Funding Sources                              | Period |
|---|--|--|--------|
|   | Kualitas Briket Arang dari Limbah Serbuk Gergaji Kayu Ulin ( <i>Eusideroxylon zwageri</i> ) dan Tempurung Kelapa ( <i>Cocos nucifera</i> ) Berdasarkan Variasi Rasio dan Ukuran Partikel | Faculty of Forestry<br>Mulawarman University | 2023   |

| Industry collaborations over the last 5 years | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|------------------------|---------------------|----------------|----------|--------|
|   |                        |                     | -              | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Important publications over the last 5 years | Selected recent publications from a total of approx (give total number):   |
|--|--|
|  | 1. Kualitas Papan Partikel Berdasarkan Komposisi Perakat PVAc (Polivinil Asetat) dan Partikel Batang Singkong ( <i>Manihot esculenta Crantz.</i> ) |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   | -              | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Important publications over the last 5 years | Selected recent publications from a total of approx (give total number):   |
|--|--|
|  | 1. Kualitas Papan Partikel Berdasarkan Komposisi Perakat PVAc (Polivinil Asetat) dan Partikel Batang Singkong ( <i>Manihot esculenta Crantz.</i> ) |



2. *Seminar/Konferensi*: Penulis: (Anggota [3]) Penyelenggara: Fakultas Kehutanan Unmul, Tahun: 2022 ISSN: , Volume: , Edisi: 1, Jum. Hal.: " (2022)

| Activities<br>specialist<br>bodies over the<br>last 5 years | in | Organization   | Role   | Periode      |
|---|----|--|--------|--------------|
|   |    | MAPEKI (Masyarakat Peneliti Kayu Indonesia)                            | Member | 2000-present |
|   |    | IWoRS (Indonesian Wood of Research Society)                            | Member | 2009-present |
|   |    | IKA UNHAS (Ikatan Alumni Universitas Hasanuddin)                       | Member | 1990-present |
|   |    | IKAHUT UNHAS (Ikatan Alumni Fakultas Kehutanan Universitas Hasanuddin) | Member | 2020-present |



**Name** Ir. Kusno Yuli Widiati, M.P.  
**Position** Associate Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree | University            | Year |
|-----------------|---------------|-----------------------|------|
|                 | Forestry      | Mulawarman University | 2000 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Forest Product       | Mulawarman University | 1992 |

| Employment | Position | Employer                                   | Period         |
|------------|----------|--|----------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 1994 - present |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources                            | Period |
|---|---|--|--------|
|   | Identify the types of houses on stilts and Types of Connections in Stilt House Construction In Samarinda City | Faculty of Forestry, Mulawarman University | 2018   |

|  |  |  |      |
|--|--|--|------|
|  | Correlation Between Kiln Dry Density and Shrinkage Value and Mechanical Properties of Bayur Wood ( <i>Peterospermum javanicum</i> ) and Pangsor ( <i>Ficus callosa</i> Wild) | Faculty of Forestry, Mulawarman University | 2021 |
|--|--|--|------|

|  |   |  |      |
|--|---|--|------|
|  | Utilization of Resak Wood ( <i>Vatica</i> Sp) from Abandoned Land as Building Construction Material | Faculty of Forestry, Mulawarman University | 2022 |
|--|---|--|------|

| Industry collaborations | Partners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|-------------------------|---------------------|----------------|----------|--------|
|                         | -                       | -                   | -              | -        | -      |

|  |   |   |   |   |   |
|--|---|---|---|---|---|
|  | - | - | - | - | - |
|--|---|---|---|---|---|

|  |   |   |   |   |   |
|--|---|---|---|---|---|
|  | - | - | - | - | - |
|--|---|---|---|---|---|

over the last 5 years  
Patents and proprietary rights  
Important publications over the last 5 years

| Titles | Year |
|--------|------|
| -      | -    |

Selected recent publications from a total of approx (give total number): 10

1. Buku: Panduan Praktikum Fisika dan Mekanika Kayu, Pengujian Keteguhan Kayu Solid dengan Standar DIN Penulis: Kusno Yuli Widiati ( Ketua ) Penerbit: Mulawarman University Press, ISBN: 978-623-5262-19-2, Tahun Terbit: 2022, Jum. Hal.: 111 (7) (2022)
2. Buku: Potensi yang belum terasah dari alam dan budaya lokal di desa besiq Kutai Barat. Penulis: Kusno Yuli Wisiati dan 3 anggota. Penerbit: Mulawarman University Press, ISBN: 978-6236-5262-22-2. Tahun terbit: 2022. Jum hal: 104 (8) (2022)
3. Buku: Jenis-Jenis Sambungan Dan Tipe Rumah Panggung Di Kota Samarinda. Penulis: Kusno Yuli Widiati. Penerbit: Mulawarman University Press ISBN : 978-623-7480-64-8. Tahun terbit: 2021. Jum hal: 70 (4) (2021)
4. Aspek Ekologi dan Ekonomi Lahan Terbiarkan di Kalimantan Timur. Mulawarman University Press, Samarinda. Penulis: Kusno Yuli Widiati (Anggota), Karyati (Ketua), Karmini (Anggota). Penerbit: Mulawarman University Press. ISBN: 978-623-7480-70-9. Tahun terbit: 2021. Jum hal: 102 (9) (2021)
5. Identifikasi Jenis-Jenis Sambungan Pada Konstruksi Rumah Panggung Di Samarinda. Penulis: Kusno Yuli Widiati dan Maretha Silvana Hartanti. Jurnal: Ulin – J Hut Tropis. Volume: 3(1): 50-57, Maret 2019
6. Short Communication: The Ecological and Economic Values Of Secondary Forest On Abandoned Land In Samarinda, East Kalimantan Province, Indonesia. Penulis: Karmini, Kusno Yuli Widiati, Karyati. Jurnal : Biodiversitas. Volume 21, Number 11, November 2020. Pages: 5550-5558
7. Korelasi Antara Kerapatan Kering Tanur Dengan Nilai Penyusutan Dan Sifat Mekanika Kayu Bayur (*Pterospermum javanicum*) Dan Pangsor (*Ficus callosa* Willd). Penulis: Kusno Yuli Widiati, Sri Asih Handayani, Karmini. Jurnal : Agrifor Untag Samarinda. Volume 21 No.2 (Oktober 2022) Pp. 257-264
8. *Classification Of Quality Code And The Influence Of Number Of Combination Wood Players Of Bayur Kind (Pterospermum Javanicum) And Pangsor (Ficus Callosa Willd.)* Kusno Yuli Widiati, Irvin Dayadi, Agung Prio Hutomo, Karyati, Erick Frandica Prosiding Fakultas Pertanian Universitas Mulawarman. Tahun : 2021. Hal: 39-44
9. Development of allometric relationships for estimate above ground biomass of trees in the tropical abandoned land Karyati<sup>1</sup>, Kusno Yuli Widiati<sup>1</sup>, Karmini<sup>2</sup>, Rachmad Mulyadi<sup>1</sup>. Volume 20, Number 12, December 2019. Pages: 3508-3516

Activities in specialist bodies over the last 5 years

| Organization | Role   | Periode      |
|--------------|--------|--------------|
| MAPEKI       | Member | 2000-present |



**Name** Dr. Wiwin Suwinarti, S.Hut., MP  
**Position** Associate Professor

| Academic Career   | Doctoral Degree  | University  | Year         |
|---|--|---|--------------|
|   | Applied Bioresources Science   | United Graduate School of Agricultural Sciences, Ehime University | 2002-2005    |
| Academic Career   | Master Degree  | University  | Year         |
|   | Forestry Science   | Faculty of Forestry, Mulawarman University                        | 1996-1999    |
| Academic Career   | Undergraduate degree   | University  | Year         |
|   | Forest Product Technology  | Faculty of Forestry, Mulawarman University                        | 1988-1993    |
| Employment  | Position   | Employer  | Period       |
|   | Lecturer   | Faculty of Forestry, Mulawarman University                        | 1994-present |
| Research and development projects over the last 5 years               | Name of project or research focus  | Funding Sources (Million IDR)                                     | Period       |
|   | Pengembangan Ekstrak <i>Boesenbergia pandurata</i> , <i>Solanum ferox</i> dan <i>Zingiber zerumbet</i> sebagai Bahan Imunomodulator dan Antibakterial Alami pada Budidaya Ikan Air Tawar | 200<br>Kemenristekdikti   | 2017-2018    |
|   | Model Penyediaan Listrik Desa Berbasis Biomassa Hutan Untuk Wilayah Pedalaman dan Perbatasan di Kalimantan   | 580<br>Kemenristekdikti   | 2017-2018    |
|   | Potensi dan Karakterisasi Tumbuhan Penghasil Serat Alam Di Kawasan KPHP Kendilo  | 5<br>Hibah Akademik Fahutan Unmul                                 | 2021         |
| Karakterisasi Pandan Kowang ( <i>Pandanus furcatus</i> Roxb.) Sebagai | 5  | 2022  |              |



Tumbuhan Penghasil Serat Alam Hibah Akademik Fahutan Unmul

**Industry collaborations over the last 5 years**  
**Patents and proprietary rights**  
**Important publications over the last 5 years**

| Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|------------------------|---------------------|----------------|----------|--------|
|------------------------|---------------------|----------------|----------|--------|

|                           |                           |              |
|---------------------------|---------------------------|--------------|
| Verifikasi Legalitas Kayu | PT. Trustindo Prima Karya | 2012-present |
|---------------------------|---------------------------|--------------|

| Titles | Year |
|--------|------|
|--------|------|

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Selected recent publications from a total of approx (28):

1. The potential of Macaranga plants as skincare cosmetic ingredients: A review. *Journal of Applied Pharmaceutical Science* Vol. 13(07), pp 001-012 (2023)
2. A Mini Review: The Application of Eupatorium Plants as Potential Cosmetic Ingredients. *Cosmetics* 9(5), 103 (2022)
3. Efektivitas perlakuan awal alkali dan hidrotermal terhadap proses delignifikasi, potensi gula reduksi dan produksi etanol teoritis dari kayu *Vernonia amygdalina* Delile. *Ulin - Jurnal Hutan Tropis* 6(2) : 155-164 (2022)
4. Short Communication: Analysis of the ultimate wood composition of a forest plantation species, *Eucalyptus pellita*, to estimate its bioelectricity potency. *BIODIVERSITAS* 23(5): 2389-2394 (2022)
5. Uji aktivitas antibakteri ekstrak propolis lebah *Heterotrigena itama* dari beberapa lokasi budidaya di Kalimantan Timur terhadap bakteri *Propionibacterium acnes*. *Ulin-Jurnal Hutan Tropis* 6(2):121-125 (2022)
6. Phytochemicals, antioxidants activity, total phenolic and total flavonoid content of liquid smoke from tropical plants. *International Journal of Biosciences* 21(6) : 316-321 (2022)
7. Peran Strategis Sektor Kehutanan dalam Mewujudkan Kemandirian dan Kedaulatan Eenergi di Kalimantan Timur: Percepatan Penyediaan Listrik Desa di Wilayah Pedalaman (Remote Area). Book Chapter: Unmul Hebat, Kaltim Berdaulat IKN Kuat: Kontribusi Pemikiran Universitas Mulawarman di Usia 60 Tahun, Volume I (2022)
8. Phytochemical screening and antioxidant activity of wild mushrooms growing in tropical regions (2021)
9. Assessment of wood biomass productivity from *Anthocephalus macrophyllus* forest plantation for energy production (2021)
10. Aktivitas antioksidan dan antibakteri dari ekstrak *bee pollen* lebah kelulut (*Tetragonula sarawaknensis*) (2021)
11. Characterization of slow pyrolysis products of *Macaranga motleyana*: Effect of sample size (2020)
12. Prevention Methods Against *Aeromonas hydrophila* and *Pseudomonas fluorescens* Infection In Tilapia (2020)
13. Bioactivities of forest medicinal plants on kutai ethnic (Indonesia) of tapak leman (*Hippobroma longiflora* (L) G. Don) (2020)

14. Short communication: Diversity of plant species growing during fallow period of shifting cultivation and potential of its biomass for sustainable energy production in Mahakam Ulu, East Kalimantan, Indonesia (2019)
15. Searching for potential wood biomass for green energy feedstock: A study in tropical swamp-peat forest of Kutai Kertanegara, Indonesia (2019)
16. Borneo herbal plant extracts as a natural medication for prophylaxis and treatment of *Aeromonas hydrophila* and *Pseudomonas fluorescens* infection in Tilapia (*Oreochromis niloticus*) (2019)
17. Bioethanol production from cassava peel by ultrasonic assisted using HCL as catalyst (2019)
18. Diversity of plant species growing during fallow period of shifting cultivation and potential of its biomass for sustainable energy production in Mahakam Ulu, East Kalimantan, Indonesia (2019)
19. Trial production of fuel pellet from *Acacia mangium* bark waste biomass (2018)
20. Inhibition of fish bacteria pathogen in tilapia using a concoction three of Borneo plant extracts (2018)
21. Uji in vitro gabungan ekstrak *Boesenbergia pandurata*, *Solanum ferox*, *Zingiber zerumbet* terhadap bakteri patogen pada ikan nila (2018)
22. Short Communication: Identification and Evaluation of Bioactivity in-forest Plants used for Medicinal Purposes by the Kutai Community of East Kalimantan, Indonesia (2018)
23. Evaluation of traditional plant extracts for innate immune mechanisms and disease resistance against fish bacterial *Aeromonas hydrophila* and *Pseudomonas* sp. (2018)
24. Production of high-calorie energy briquettes from bark waste, plastic and oil (2018)
25. Response surface methodology to simplify calculation of wood energy potency from tropical short rotation coppice species (2018)
26. Seed Germination and Cuttings Growth of *Piper aduncum* (2018)
27. Identification and evaluation of bioactivity in forest plants used for medicinal purposes by the Kutai community of East Kalimantan, Indonesia (2018)
28. Characterization and ethanol potential from giant cassava (*Manihot esculenta*) stem waste biomass (2018)

**Activities in specialist bodies over the last 5 years**

| Organization                              | Role   | Periode      |
|---|--------|--------------|
| Indonesian Wood Research Society          | Member | 1998-present |
| Society of Indonesia Foresters            | Member | 2000-present |
| Society for Indonesian Biodiveristy       | Member | 2018-present |
| The Institution of Engineers Indonesia    | Member | 2019-present |
| Organization for Women in Science for the | Member | 2021-present |



Developing  
(OWSD)

World



**Name** Dr. Ir. H. Chandradewana Boer  
**Position** Associate Professor

| Academic Career | Doctoral Degree      | University         | Year |
|-----------------|----------------------|--------------------|------|
|                 | Doctor in Biology    | Wuerzburg, Germany | 1998 |
| Academic Career | Master Degree        | University         | Year |
|                 | Diplom in Biology    | Wuerzburg, Germany | 1994 |
| Academic Career | Undergraduate degree | University         | Year |
|                 | Sarjana              | IPB, Bogor         | 1984 |

| Employment | Position | Employer            | Period         |
|------------|----------|---------------------|----------------|
|            | Lecturer | Government Employee | 1987 – present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources    | Period    |
|---|-----------------------------------|--------------------|-----------|
|   | Bioacoustic                       | Cornell University | 2023-2024 |
|   | Biodiversity                      | TFCA               | 2000      |

| Industry collaborations over the last 5 years | Patners, if applicable | Amount of financing | Project Titles            | Partners  | Period    |
|---|------------------------|---------------------|---------------------------|-----------|-----------|
|   |                        |                     | Bird community monitoring | Pertamina | 2022-2024 |

| Patents and proprietary rights | Titles                                    | Year |
|--------------------------------|---|------|
|                                | Concept of simousteneus survey (proposal) |      |

**Important publications over the last 5 years**  
Selected recent publications from a total of approx (give total number):  
Development of methodology from identification of Bird

| Activities in specialist bodies over the last 5 years | Organization | Role | Periode |
|---|--------------|------|---------|
|---|--------------|------|---------|



**Name** Ir. Sukartiningsih, M.Sc., Ph.D  
**Position** Associate Professor

| Academic Career | Doctoral Degree      | University              | Year |
|-----------------|----------------------|-------------------------|------|
|                 |                      | The University of Tokyo | 1999 |
| Academic Career | Master Degree        | University              | Year |
|                 |                      | The University of Tokyo | 1999 |
| Academic Career | Undergraduate degree | University              | Year |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 1989-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   |                                   |                 |        |

| Industry collaborations over the last 5 years | Partners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|-------------------------|---------------------|----------------|----------|--------|
|   |                         |                     |                |          |        |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                |        |      |

**Important publications over the last 5 years** Selected recent publications from a total of approx (8):

1. Judul Artikel: Nutrient Concentration of N, P and K in the Components of Eucalyptus pellita F. Muell Tree in East Kalimantan, Indonesia Ria Paranoan, Wawan Kustiawan, Marjenah Marjenah, Wahjuni Hartati, Syahrinudin Syahrinudin, Sukartiningsih, and Triyono Sudarmadji (2022)
2. Root exudation and biodegradation of organic acids in a tropical forest soil under dipterocarp and pioneer trees, Index Scopus Q1 Vol. 469 Issue 1/2 Kazumichi Fujii, Chie Hayakawa, Sukartiningsih (2021)
3. Comparison of soil acidification rates under different land uses in Indonesia, Index Scopus Q1 Vol Vol. 465 Issue 1/2, Fujii Kazumichi; Toma Takeshi; Sukartiningsih (2021)
4. "Chemical constituents from Piper betle L. Var Nigra (Piperaceae) : Fajar Prasetya, Supriatno Salam, Agung Rahmadani, Hadi Kuncoro, Rolan Rusli,



5. Afif Ruchaemi, Sukartiningsih" (2021)
6. Effects of land use change on turnover and storage of soil organic matter in a tropical forest, Index Scopus Q1, Vol;446 No.1-2 . 425-439, Kazumichi Fujii, Sukartiningsih, Chie Hayakawa, Yoshiyuki Inagaki & Takashi Kosaki (2020)
7. Peningkatan Keaktifan Dan Hasil Belajar Matematika Materi Operasi Bentuk Aljabar Melalui Model Pembelajaran Think Pair Share Dengan Love Notes Peserta Didik Kelas VII Jurnal Kependidikan Dasar : Vol 10, No 2 (2020) P-ISSN 2087-2666 | E-ISSN 2580-6904], Sukartiningsih (2020)
8. Pengembangan Perangkat Pembelajaran Model PQ4R Media Concept Mapping Terhadap Hasil Belajar Biologi ; BIODIK: Jurnal Ilmiah Pendidikan Index Jurnal sinta 4 Program, Jambi University. P-ISSN. 2460-2612 E-ISSN. 2580-0922. Vol. 6 No. 1 (2020): March 2020, Desy Sukma Risalahwati, Makrina Tindangen, Sukartiningsih (2020)
9. Effect of sucrose and plant growth regulators on callogenesis and preliminary secondary metabolic of different explant *Myrmecodia tuberosa*, Yanti Puspita Sari, Eko Kusumawati, Chairul Saleh, Wawan Kustiawan, Sukartiningsih, Nusantara Bioscience, Vol. 10, No. 3, ISSN: 2087-3948, E-ISSN: 2087-3956 (2018)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Dr. Ir. Bernaulus Saragih, M.Sc.  
**Position** Associate Professor

| Academic Career   | Doctoral Degree  | University                                 | Year           |
|---|--|--|----------------|
|   | Master Degree  | University                                 | Year           |
|   | Undergraduate degree   | University                                 | Year           |
|   |  | Mulawarman University                      | 1992           |
| Employment  | Position   | Employer                                   | Period         |
|   | Lecturer   | Faculty of Forestry, Mulawarman University | 1993-present   |
| Research and development projects over the last 5 years | Name of project or research focus  | Funding Sources                            | Period         |
| Industry collaborations over the last 5 years           | Patners, if applicable   | Amount of financing                        | Project Titles |
| Patents and proprietary rights                          |  |  | Period         |
| Important publications over the last 5 years            | Selected recent publications from a total of approx (give total number): |  |                |
| Activities in specialist bodies over the last 5 years   | Organization   | Role                                       | Periode        |



**Name** Ir. Erly Rosita, M.P.  
**Position** Associate Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree    | University            | Year |
|-----------------|------------------|-----------------------|------|
|                 | Forestry Science | Mulawarman University | 1998 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Forest Product       | Mulawarman University | 1989 |

| Employment | Position | Employer              | Period       |
|------------|----------|-----------------------|--------------|
|            | Lecturer | Mulawarman University | 1990-Present |

| Employment | Position | Employer              | Period       |
|------------|----------|-----------------------|--------------|
|            | Lecturer | Mulawarman University | 1990-Present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   | -              | -        | -      |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   | -              | -        | -      |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   | -              | -        | -      |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   | -              | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Important publications over the last 5 years | Selected recent publications from a total of approx (give total number): |
|--|--|
|  | -  |

| Important publications over the last 5 years | Selected recent publications from a total of approx (give total number): |
|--|--|
|  | -  |

| Important publications over the last 5 years | Selected recent publications from a total of approx (give total number): |
|--|--|
|  | -  |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |

| Activities in specialist bodies over the last 5 years | Organization                                | Role   | Periode      |
|---|---|--------|--------------|
|   | Masyarakat Peneliti Kayu Indonesia (MAPEKI) | Member | 2000-present |





Wadah Layanan Informasi  
Lingkungan Hidup  
(WLILH)

Member

2019-present



|  |  |                       |                |
|--|--|-----------------------|----------------|
| <b>Name</b>  | Jufriah, S.Hut., M.P.  |                       |                |
| <b>Position</b>  | Associate Professor  |                       |                |
| <b>Academic Career</b>   | Doctoral Degree  | University            | Year           |
|  | -  | -                     | -              |
|  | Master Degree  | University            | Year           |
|  | Forestry Science   | Mulawarman University | 2002           |
|  | Undergraduate degree   | University            | Year           |
| <b>Employment</b>  | Forest Product   | Mulawarman University | 1996           |
|  | Position   | Employer              | Period         |
|  | Lecturer   | Mulawarman University | 1997 - present |
| <b>Research and development projects over the last 5 years</b> | Name of project or research focus  | Funding Sources       | Period         |
|  | -  | -                     | -              |
|  | Partners, if applicable<br>Amount of financing   |                       |                |
| <b>Industry collaborations over the last 5 years</b>           | Project Titles   | Partners              | Period         |
|  | -  | -                     | -              |
| <b>Patents and proprietary rights</b>                          | Titles   |                       | Year           |
|  | -  |                       | -              |
| <b>Important publications over the last 5 years</b>            | Selected recent publications from a total of approx (give total number):               |                       |                |
|  | -  |                       |                |
| <b>Activities in specialist bodies over the last 5 years</b>   | Organization   | Role                  | Periode        |
|  | Masyarakat Peneliti Kayu Indonesia (MAPEKI)<br>Indonesian Wood Research Society (IWRS) | Member                | 2000 - present |
|  | Klinik Produksi Bersih Unmul (Cleaner Production Clinic Unmul / CPCU)                  | Member                | 2006 - present |



ULS. Tropical Ecosystems  
and Sustainable  
Development (TESD)

Member

2013 - present



**Name** Dr. Ir. Enih Rosamah, M.Sc  
**Position** Associate Professor

| Academic Career      | Doctoral Degree                                | University                                     | Year |
|----------------------|--|--|------|
|                      |  | Georg-August Universität<br>Göttingen, Germany | 2004 |
|                      | Master Degree                                  | University                                     | Year |
|                      | Georg-August Universität<br>Göttingen, Germany | 1997   |      |
| Undergraduate degree | University                                     | Year   |      |
|                      | Bogor Institute of<br>Agriculture              | 1990   |      |

| Employment | Position   | Employer                                      | Period       |
|------------|--|---|--------------|
|            | Lecturer   | Faculty of Forestry,<br>Mulawarman University | 1991-present |
|            | Head of Forest Product<br>Chemistry and Renewable<br>Energy Laboratory | Faculty of Forestry                           | 2016-present |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources (Million IDR) | Period |
|---|---|-------------------------------|--------|
|   | Validasi Ilmiah Tumbuhan Obat dari Suku Bahau sebagai Antidiabetes Alami (Thn II) | 91                            | 2019   |
|   | Program Dosen Merenung (Dirjen SDM Kemristek DIKTI)                               | 60                            | 2019   |
|   | Validasi Ilmiah Tumbuhan Obat dari Suku Bahau sebagai Antidiabetes Alami (Thn I)  | 61                            | 2018   |

| Industry collaborations over the last 5 years | Partners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|-------------------------|---------------------|----------------|----------|--------|
|   | -                       | -                   | -              | -        | -      |

| Patents and proprietary rights                      | Titles  | Year |
|---|---|------|
|   | Paten Sederhana<br>Tablet Ekstrak Kulit Baraan ( <i>Dracontomelon dao</i> (Blanco) Merr & Rolfe) Sebagai Bahan Antidiabetes Alami   | 2022 |
| <b>Important publications over the last 5 years</b> | Selected recent publications from a total of approx (20):   |      |
|   | 1. The Role of Bamboo Nanoparticles in Kenaf Fiber Reinforced Unsaturated Polyester Composites (2018)   |      |
|   | 2. Aktivitas Antioksidan Pada Ekstrak Etanol Tumbuhan Baraan ( <i>Dracontomelon dao</i> (Blanco) Merr & Rolfe) Seminar Masyarakat Peneliti Kayu Indonesia (MAPEKI) (2019)   |      |
|   | 3. Hardwood Tannin: Sources, Utilizations, and Prospects Atanu Kumar Das, Md. Nazrul Islam, Md. Omar Faruk, Md. Ashaduzzaman, Rudi Dungani, Enih Rosamah, Sri Hartati and Alfi Rumidatul. DOI: 10.5772/intechopen.86003 (2019)  |      |
|   | 4. Kromatografi Lapis Tipis Metode Sederhana dalam analisis Kimia Tumbuhan berkayu Mulawarman University Press (2019)   |      |
|   | 5. Uji Fitokimia Dan Antioksidan Ekstrak Etanol Propolis Lebah Kelulut ( <i>Tetragonula iridipennis</i> ) DARI SAMARINDA KALIMANTAN TIMUR (2020)  |      |
|   | 6. BEEPOLEEN <i>Tetragonula testaceitarsis</i> ANTIBACTERIA ( <i>Propionibacterium acnes</i> ) TEST (2020)  |      |
|   | 7. Chemical content in two Teak woods ( <i>Tectona grandis</i> Linn.F.) that has been used for 2 and 60 years. Enih Rosamah, Fera Ferliyanti, Harlinda Kuspradini, Rudi Dungani, Pingkan Aditiawati 3BIO: Journal of Biological Science, Technology and Management 2(1): 15-19 e-ISSN: 2655-8777 (2020)   |      |
|   | 8. Metode Praktis Analisis Kimia Tumbuhan Berkayu ISBN 978-623-02-0774-7 Diterbitkan oleh Deepublish (2020)   |      |
|   | 9. Inovasi Pembelajaran Di Pendidikan Tinggi ISBN 978-623-02-0531-6 Diterbitkan oleh Deepublish (2020)  |      |
|   | 10. Reinforcing Effects of Seaweed Nanoparticles in Agar-based Biopolymer Composite: Physical, Water Vapor Barrier, Mechanical, and Biodegradable Properties Rudi Dungani, Ihak sumardi, Yoyo Suhaya, Pingkan Aditiawati, Safar Dody, Enih Rosamah, Md. Nazrul Islam, Sri Hartati, and Tati Karliati Dungani et al. (2021). "Agar-based biocomposite" BioResources 16(3), 5118-5132. (2021) |      |
|   | 11. Antifungal of Fruit and Shoot Extracts of <i>Orania palindan</i> on <i>Coriolus versicolor</i> Growth. Endra Gunawan, Yenni Yendri Salosa, Julita T. Paladan, Yuyu Rahayu, Edy Budiarmo, Enih Rosamah, Enos Tangke Arung,* (2021)   |      |
|   | 12. Preservation of Pulau Wood ( <i>Alstonia scholaris</i> L. Br.) with Natural Preservative Fruit Extracts <i>Orania palindan</i> (Blanco) Merr. Endra Gunawan, Edy Budiarmo, Enih Rosamah, and Enos Tangke Arung (2021)   |      |
|   | 13. Antibacterial Activity Against <i>Propionibacterium acnes</i> of n-Hexane Fractions from Siam Weed Leaves ( <i>Chromolaena odorata</i> ) (2021)   |      |
|   | 14. Evaluation of Antibacterial Activity and Physico Chemical Profiles of <i>Eucalyptus pellita</i> Essential Oil from East Kalimantan (2021)   |      |
|   | 15. BUMIKU INDONESIA (Bunga Rampai Kearifan Lokal) Editor: Retno Widayani (BAB 5. Validasi Penggunaan Pewarna alami <i>Bixa Orellana</i> L. pada Tenun Ulap Doyo Berbasis Kearifan Lokal Suku Dayak Benuaq) (2021)  |      |

16. A Mini Review: The Application of Eupatorium Plants as Potential Cosmetic Ingredients. *Cosmetics* **2022**, 9, 103. <https://doi.org/10.3390/cosmetics9050103>  
**MDPI and ACS Style** Putri, A.S.; Haqiqi, M.T.; Supomo; Kusuma, I.W.; Kuspradini, H.; Rosamah, E.; Amirta, R.; Paramita, S.; Ramadhan, R.; Lubis, M.A.R.; et al.
17. KIMIA HASIL HUTAN. Analisis dan Bioaktivitas. Enih Rosamah, et al. 2022. Deepublish (CV Budi Utama) Yogyakarta. 230 Hal
18. The potential of Macaranga plants as skincare cosmetic ingredients: A review. *Journal of Applied Pharmaceutical Science*, 13(7), 001-012. Rosamah, E., Haqiqi, M. T., Putri, A. S., Kuspradini, H., Kusuma, I. W., Amirta, R., ... & Arung, E. T. (2023).
19. Antioxidant Activity Of Bee Propolis Extract *Tetragonula biroi* In The Balikpapan Area. *B Ananda, E Rosamah, ET Arung*. MORRESSIER ISTFES 2023

**Activities in specialist bodies over the last 5 years**

| Organization | Role   | Periode   |
|--------------|--|-----------|
| PKR Kosmetik | Kegiatan Workshop dengan tema “Strategi untuk Mendapatkan Pendanaan Riset dari BRIN. Pebulisan Proposal dan publikasi/Paten” yang dilaksanakan pada hari Selasa, 7 November 2023 di Gd. Aula kampus Fakultas Teknik Universitas Sultan Ageng Tirtayasa | 2022-2023 |



**Name** Zainul Arifin, S.Hut., MP  
**Position** Associate Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree | University                                 | Year |
|-----------------|---------------|--|------|
|                 | Forestry      | Faculty of Forestry, Mulawarman University | 2002 |

| Academic Career | Undergraduate degree      | University                                 | Year |
|-----------------|---------------------------|--|------|
|                 | Forest product technology | Faculty of Forestry, Mulawarman University | 1998 |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 1999-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   |                                   |                 |        |

| Industry collaborations over the last 5 years | Partners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|-------------------------|---------------------|----------------|----------|--------|
|   |                         |                     |                |          |        |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                |        |      |

**Important publications over the last 5 years**

Selected recent publications from a total of approx (6):

Judul: Uji Ketahanan Api Kayu Sengon (*Paraserianthes falcataria* (L.) Nielsen) yang Diawetkan dengan Bahan Pengawet Natrium Silikat ( $\text{Na}_2\text{SiO}_3$ )  
Jurnal: Ulin : Jurnal Hutan Tropis  
Penulis: Zainul Arifin, Irvin Dayadi, Cristianus Renaldy (ketua)  
Penerbit: Forestry Faculty of Mulawarman University, Tahun Terbit: 2020, Jum. Hal.: 15 ISSN: 2599-1183, Volume: 4, Edisi: No. 2 (2020)  
Pengawetan Perendaman Dingin dan Panas Dingin Kayu Trembesi (*Albizia Saman*) menggunakan Pengawet Boraks Jurnal: Buletin Poltanesa. Penulis: Safat Amin, Agung Priyo Hutomo dan Zainul Arifin



Penerbit: Politeknik Pertanian Negeri Samarinda, Tahun Terbit: 2021, Jum. Hal.: 9  
ISSN: p-ISSN 2721-5350 e-ISSN 2721-5369, Volume: 22 No. 1, Edisi: Juni 2021"  
(2021)

Pengeringan Alami Kayu Gerunggung (*Cratoxylon arborescens* (Vahl.) Blume) Pada Ketebalan Dan Jenis Papan Yang Berbeda. Seminar/Konferensi: Seminar Ilmiah Kehutanan Mulawarman (SIKMA) 9. Penulis: Anjar Dwi Prasetyo, Edy Budiarmo, Zainul Arifin. Penyelenggara: Fakultas Kehutanan Universitas Mulawarman, Tahun: 2021, Waktu: 21 September 2021. ISSN: 978-623-7480-99-0, Volume: 2, Edisi: September 2021, Jum. Hal.: 10" (2021)

Pengawetan Kayu Ketapang (*Terminalia Catappa*) Menggunakan Metode Sederhana Dan Bahan Pengawet Kapur Barus Dengan Pelarut Minyak Tanah. Seminar/Konferensi: Seminar Ilmiah Kehutanan Mulawarman (SIKMA) 10. Natalia Tokan Yo, Edy Budiarmo, Zainul Arifin. Penyelenggara: Mulawarman University Press, Tahun: 2021, Waktu: 7 Desember 2021. ISSN: 978-623-5262-03-1, Volume: 3, Edisi: Desember 2021, Jum. Hal.: 13" (2021)

Proses Pengawetan Tanpa Tekanan Menggunakan Bahan Pengawet Tembaga Sulfat ( $Cuso_4$ ) Dengan Konsentrasi Yang Berbeda Pada Kayu Karet (*Hevea brasiliensis*) Dan Uji Ketahanan Terhadap Rayap Tanah (*Subterranean termites*). Seminar/Konferensi: Seminar Ilmiah Kehutanan Mulawarman (SIKMA) 10. Laurensius Suhuk, Edy Budiarmo, Zainul Arifin. Penyelenggara: Mulawarman University Press, Tahun: 2021, Waktu: 7 Desember 2021. ISSN: 978-623-5262-03-1, Volume: 3, Edisi: Desember 2021, Jum. Hal.: 14" (2021)

Pengawetan Kayu Sengon (*Paraserianthes falcataria* (L) Nielsen) Menggunakan Oli Bekas Dengan Metode Perendaman Dingin. Jurnal: Ulin: Jurnal Hutan Tropis. Zainul Arifin, Edy Budiarmo, Bella Winata. Penerbit: Fakultas Kehutanan Universitas Mulawarman, Tahun Terbit: 2022, Jum. Hal.: 9. ISSN: 2599-1183, Volume: 6, Edisi: No. 1" (2022)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|





|  |  |  |              |
|--|--|--|--------------|
| <b>Name</b>  | Ir. Rita Diana, MA.  |  |              |
| <b>Position</b>  | Associate Professor  |  |              |
| <b>Academic Career</b>   | Doctoral Degree  | University                                 | Year         |
|  | -  | -  | -            |
|  | Master Degree  | University                                 | Year         |
| <b>Employment</b>  | Undergraduate degree   | Kyushu University, Japan                   | Year         |
|  | Faculty of Forestry  | Mulawarman University                      | 1988         |
|  | Position   | Employer                                   | Period       |
|  | Lecturer   | Faculty of Forestry, Mulawarman University | 1989-present |
| <b>Research and development projects over the last 5 years</b> | Name of project or research focus  | Funding Sources                            | Period       |
|  | -  | -  | -            |
| <b>Industry collaborations over the last 5 years</b>           | Patners, if applicable   |  |              |
|  | Amount of financing  |  |              |
| <b>Patents and proprietary rights</b>                          | Project Titles   | Partners                                   | Period       |
|  | -  | -  | -            |
| <b>Important publications over the last 5 years</b>            | Titles   |  | Year         |
|  | -  |  | -            |
| <b>Important publications over the last 5 years</b>            | Selected recent publications from a total of approx (29):  |  |              |
|  | 1. Carbon Dynamics and Land use Carbon Footprints in Mangrove-Converted Aquaculture: The Case of the Mahakam Delta, Indonesia, Penulis: Virni Budi Arifanti, J. Boone Kauffman, Deddy Hadriyanto, Daniel Murdiyarto, Rita Diana, Jurnal: Forest Ecology and Management, Penerbit: Elsevier, ISSN: 0378-1127, Jumlah Halaman: 12 Volume:432 Edisi 15 (2019) |  |              |
|  | 2. Diversity of Liana Species in Different Canopy Cover in Wehea Protection Forest, East Kalimantan. Penulis: Rita Diana. Lisa Andani. Jurnal: Penelitian Ekosistem Dipterokarpa Penerbit: Balai Besar Penelitian dan Pengembangan Ekosistem Hutan Dipterokarpa. ISSN: 2460-5883 Volume:6 Edisi: 2 (2020)  |  |              |
|  | 3. Samarinda City's Greenhouse Gas Emissions: Mitigation Challenges and Opportunities, Penulis: Karyati, Syahrudin, Rita Diana, Penerbit: Mulawarman University press, ISBN: 978-623-7480-32-7, Jum. Hal.: 134 (5) (2020)  |  |              |
|  | 4. Toxity, antioxidant ability and inhibition of oral pathogens by monoterpene-rich essential oil of Litsea angulata Blume, Penulis: Harlinda Kuspradini, Agmi Sinta   |  |              |

- Putri, Rita Diana, Jurnal: Agriculture and Natural Resources, Penerbit: Kasetsart University, Thailand Jumlah Halaman: 6 ISSN: 2452-316X Volume:054, Edisi:2 (2020)
5. Identification of Local Wisdom in the Utilization of Plant Types for Food Security and Medicine. Penulis: Yustina Anggraini, Paulus Matius, Hastaniah Hastaniah, Rita Diana. Jurnal: Makila Penerbit: Jurusan Kehutanan Fakultas Pertanian Pattimura. ISSN: 2746-7155 Volume:14 Edisi: 2 (2020)
  6. Floral Composition of the Kayan-Sembakung Delta in North Kalimantan (Indonesia) in Different Disturbance Regimes, Penulis: Rapika Seftianingrum, Raharjo Ari Suwasono, Yohanes Budi Sulistioadi, Ali Suhardiman, Rita Diana, Jurnal: Journal of Coastal Research, Penerbit: Allenpress, Jumlah Halaman: 10, ISSN:1551-5036, Volume:36, Edisi:4 (2020)
  7. Study of Bird Population Occupation (Ardeidae Family) at Pertamina Hulu Mahakam Platform A rea Mahakam Delta Penulis: Chandra Boer, Arie Prasetya, Rita Diana Penerbit: Atlantis Press, Halaman: 6 Volume: 3, Edisi 1 (2020)
  8. Spatial Distribution Patterns of Macaranga Gigantea Type (Rchb.F. & Zoll.) Müll.Arg. in Fahutan Unmul Education Forest. Penulis: Hidayatul Latifah, Paulus Matius, Rita Diana. Jurnal: JurnalHutan Tropika. Penerbit:h Jurusan Kehutanan, Fakultas Pertanian, Universitas Palangka Raya. ISSN: 2656-9736. Halaman 8, Vol. 15 No.2, (2020)
  9. Field School Module, Penulis/Pengedit: Esti H Hardi, Rita Diana, Nurul P Palupi, Haris Retno,s, Gina Septiani, Wiwik Harjanti, Andi Noor Asikin, Ismail F Almadi ISBN: 978-623-7480-94-5, Penerbit: Mulawarman Press, Jumlah Halaman: 219 (2021)
  10. Local wisdom of the Dayak Continentq community in utilizing medicinal plants in West Kutai, East Kalimantan. Penulis: Paulus Matius, Marthomas R, Hastaniah, Rita Diana, Sutedjo Jurnal: Jurnal Tengkwang, Ilmu Kehutanan. Penerbit: Fakultas Kehutanan Universitas Tanjungpura. ISSN: 2502-6267. Halaman 11, Volume:11 Edisi: 2 (2021)
  11. Plant ecology of Herbs and Lianas, penulis: Rita Diana, Yasfina Hurum Mercury, Nurhidayah, Penerbit: Pustaka Learning Center, ISBN: 978-623-6404-22-5, Jumlah Halaman:90 (2021)
  12. Coastal Carbon Stocks, Penulis: Rita Diana, Penerbit: Mulawarman University Press, ISBN: 978-623-7480-79-2, Jumlah Halaman: 63 (2021)
  13. Training Module on the Preparation of Mangrove Care Village Legal Products with the Roccipi Method, Penulis Haris Retno Susmiyati, Rahmawati al Hidayah, Wiwik Harjanti, Alfian, Herdiansyah Hamzah, Esti Handayani Hardi, Nurul Puspita Palupi, Rita Diana, Penerbit: Mulawarman University Press ISBN: 978-623-5262-06-2 (2021)
  14. Community Management of Mangroves and Environmentally friendly Ponds in Mahakam Delta, Penulis/Pengedit: Esti Handayani Hardi, Rita Diana, Nurul Puspita Palupi, Haris Retno Susmiyati, Gina Saptiani, Wiwik Harjanti, Andi Noor Asikin, Ismail Fahmy Almadi, Sri Rejeki, ISBN: 978-623-7480-94-5, Penerbit: Lemlit Unmul, Jumlah Halaman: 160 (2021)
  15. Identification of Bird Species in Wetlands around Siran Lake, Muara Kaman, Central Mahakam, East Kalimantan, Penulis: Chandradewana Boer, Arie Prasetya, Rustam, Rita Diana, Jurnal: Tropical Small Island Agriculture management, Volume Jurnal: 1, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, Halaman: 10, ISSN: 2807-6079 Penerbit: Agriculture Faculty, Pattimura University (2021)

16. Diversity of Epifit Orchids in the Rich Delta area Sekatak Village, North Kalimantan, Penulis: Tati Hariyati; Rita Diana; Mardhiana, Nama Jurnal: Annals of Plant Sciences, Volume Jurnal: 11, Nomor Jurnal: 8, Tahun Terbit Jurnal: 2022, Halaman: 8, ISSN: 2287-688x, Penerbit: Annals of Plant Sciences (2021)
17. Macaranga gigantea Species Dynamics: The Impact of Selective Logging and Forest Fires in East Kalimantan. Penulis: Sutedjo, Paulus Matius, Rita Diana, Rohman, Jurnal: Silva Tropika Penerbit: Faculty of Forestry Universitas Jambi (UNJA), ISSN:2621-4113 Volume:5 Edisi:1 (2021)
18. Application of Phyto-Stimulan for Growth, Survival Rate, and Meat Quality improvement of Tiger Shrimp (*Penaeus monodon*) Maintained in a Traditional Pond. Penulis: Esti Handayani Hardi, Rudi Agung Nugroho, Maulina Agriandini, Muhammad Rizki, Muhammad Eko Nur Falah, Ismail Fahmy Almadi, Haris Retno Susmiyati, Rita Diana, Nurul Puspita Palupi, Gina Saptiani, Agustina Agustina, Andi Noor Asikin and Komsanah Sukarti Jurnal: Phatogen Penerbit: MDPI, Jumlah halaman: 10, Volume Jurnal: 11 Edisi:1243 (2022)
19. Estimation of Carbon Stock in Trees at the Arboretum of Kalimantan Biological Resources Laboratory (LSHK), Mulawarman University Samarinda, Penulis: Rita Diana, Oscar Situmorang, Hastaniah, Sitedjo, Chandradewana Boer, Jurnal: Tengawang Jurnal Ilmu Kehutanan, Penerbit: Fakultas Kehutanan Universitas Tanjungpura, Halaman: 11 ISSN: 2714-6855 Volume: 12, Edisi: 1 (2022)
20. Carbon dioxide uptake potential in some green open spaces on university campuses Penulis: Mega Puspita Fredyanti, Rita Diana, Sutedjo, Jurnal: Ulin: Jurnal Hutan Tropis, Penerbit: Fakultas Kehutanan Universitas Mulawarman, Jumlah Halaman: 9 ISSN:25991205 Volume:6 Edisi:1 (2022)
21. " Inventory and Mapping of Edible Fruits in Special Purpose Forest Areas (KHDTK) Fahutan Training Unmul Samarinda, Penulis: Maria Yani Mapa, Rita Diana, Hastaniah, Paulus Matius, Rustam. Jurnal: Jurnal Tengawang, Penerbit: Fakultas Kehutanan Tanjungpura, ISSN: 2714-6855, Jumlah Halaman:12, Volume: 12 Edisi:2" (2022)
22. " Utilization of Mangrove Types as Processed Food in Muara Badak Ulu Kutai Kartanegara Penulis: Rita Diana, Paulus Matius, Hastaniah Hastaniah, Sutedjo Sutedjo, Cicha Rantika Meilani, Esti Handayani Hardi Haris Retno Susmiyati, Nurul Puspita Palupi Jurnal: ABDIKU Penerbit: Fakultas Kehutanan Universitas Mulawarman, ISSN: 2963-7902, jumlah halaman: 5, Volume: 1 Edisi:1 " (2022)
23. Socialization of Windu Shrimp Farming with Smart Silvofishery Model to Improve Community Welfare in Muara Badak District, East Kalimantan, Penulis: Esti Handayani Hardi, Haris Retno Susmiyati, Rita Diana, Nurul Puspita Palupi, Krishna Purnawan Candra Jurnal: Abdiku Penerbit: Fakultas Kehutanan Universitas Mulawarman ISSN: 2963-7902, Jumlah Halaman: 6 Volume: 1 Edisi:1 (2022)
24. Identification and analysis of diversity of understory plant species in secondary forest from Sangkima Jungle Park fire, Kutai National Park, East Kalimantan. Penulis: Riska Tri Andriyani, Hastaniah, Paulus Matius, Rita diana, Sutedjo, Jurnal MAKILA ISSN: 2746-7155, Jumlah Halaman:11 Volume 17 Edisi: 2 (2023)
25. Profile of Fruit-Bearing Trees *Artocarpus elasticus* Reinw. Ex Blume, *Artocarpus lanceifolius* Roxb, and *Litsea garciae* Vidal in Forest Areas with Special Purposes Forestry Education and Training Faculty of Forestry, University of Mulawarman Samarinda. Penulis: Rita diana, Mila Septiana, Paulus Matius, Sutedjo, Jurnal Hutan Lestari, Jumlah Halaman:112 Volume: 11 Edisi: 2 (2023)



26. Carbon Sequestration and Emission of Mangrove Ecosystem in Delta Mahakam East Kalimantan Penulis: Rita Diana, Deddy Hadriyanto, Azka Ilmi Ridwan, Fajar Pambudhi
27. Carbon storage of mangrove stands in Tengin Baru Village, the capital of Nusantara Penulis: Rosa Penaten Ola, Kiswanto, Rita Diana, Marjenah, Paulus Matius ISSN: 2599-1205 Jumlah halaman: 9 Volume:7 edisi : 2 (2023)
28. Diversity of medicinal potentially plants on KHDTK Diklat forestry Faculty of Forestry, Mulawarman University, Samarinda, East Kalimantan, Penulis: Yulia Dwi Utami, Paulus Matius, Rita Diana, Sutedjo, Hastaniah ISSN: 2407-8050 Jumlah Halaman: 8 Volume: 9 Edisi: 1 (2023)
29. Understorey Carbon Stock and Microclimate Green Open Space. Penulis: Rita Diana, Sutedjo, Intan Syilvianti, Rachmat Budiwijaya Suba, M. Syoim. Jurnal: Makila, ISSN : 2746 – 7155, Jumlah halaman: 11, Volume: 17 Edisi: 2 (2023)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|

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**Name** Ir. H. Hari Siswanto, M.P  
**Position** Associate Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree       | University            | Year |
|-----------------|---------------------|-----------------------|------|
|                 | Faculty of Forestry | Mulawarman University | 1998 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Faculty of Forestry  | Mulawarman University | 1990 |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 1991-present |

| Research and development projects over the last 5 years | Name of project or research focus                               | Funding Sources | Period    |
|---|---|-----------------|-----------|
|   | Penyusunan Dokumen Tata Hutan dan RPHJP KPHP Mook Manoor Bulatn | BPKH Wilayah IV | 2018-2019 |

|  |  |                 |           |
|--|--|-----------------|-----------|
|  | Penyusunan Dokumen Tata Hutan dan RPHJP KPHP Nunukan | BPKH Wilayah IV | 2018-2019 |
|--|--|-----------------|-----------|

|  |   |                        |           |
|--|---|------------------------|-----------|
|  | Identifikasi dan Sosialisasi Areal Bernilai Konservasi Tinggi Di Kalimantan Timur | Dinas Kehutanan Kaltim | 2019-2020 |
|--|---|------------------------|-----------|

|  |  |                        |           |
|--|--|------------------------|-----------|
|  | Identifikasi dan Sosialisasi Kawasan Ekosistem Essensial | Dinas Kehutanan Kaltim | 2020-2021 |
|--|--|------------------------|-----------|

|  |   |                              |                         |
|--|---|------------------------------|-------------------------|
|  | Review Tata Ruang Propinsi Kalimantan Utara | Dinas Pekerjaan Umum Kaltara | 2021-2022 dan 2022-2023 |
|--|---|------------------------------|-------------------------|

|  |  |                        |           |
|--|--|------------------------|-----------|
|  | Identifikasi dan Sosialisasi Kawasan Ekosistem Essensial di Kalimantan Timur | Dinas Kehutanan Kaltim | 2021-2022 |
|--|--|------------------------|-----------|

|  |  |                        |           |
|--|--|------------------------|-----------|
|  | Identifikasi dan Sosialisasi Kawasan Ekosistem | Dinas Kehutanan Kaltim | 2022-2023 |
|--|--|------------------------|-----------|

|  |  |                        |           |
|--|--|------------------------|-----------|
|  | Identifikasi dan Sosialisasi Kawasan Ekosistem | Dinas Kehutanan Kaltim | 2022-2023 |
|--|--|------------------------|-----------|



Essensial di Kalimantan Timur

|  |   |                          |           |
|--|---|--------------------------|-----------|
| <b>Industry collaborations over the last 5 years</b>         | Patners, if applicable  |                          |           |
|  | Amount of financing   |                          |           |
|  | Project Titles  | Partners                 | Period    |
| <b>Patents and proprietary rights</b>                        | Tukar Menukar Kawasan Hutan   | PT. Kresna Duta Agroindo | 2020-2021 |
|  | Titles  |                          | Year      |
| <b>Important publications over the last 5 years</b>          | -   |                          |           |
|  | Selected recent publications from a total of approx (give total number): 6  |                          |           |
|  | 1. Model Pengelolaan KPHP Hutan Pendidikan Fakultas Kehutanan Universitas Mulawarman Dalam Srtategi Konservasi Keanekaragaman Hayati. Jurnal Biodiversitas, 2019  |                          |           |
|  | 2. Pemetaan Perubahan Tutupan Lahan Menggunakan Penginderaan Jauh di Bontang Mangrove Park, Taman Nasional Kutai: Seminar Ilmiah Kehutanan Mulawarman, 2022.  |                          |           |
|  | 3. Identifikasi Mahang ( <i>Macaranga gigantea</i> ) dan Puspa ( <i>Schima wallichii</i> ) Menggunakan Foto Drone Di KHDTK Diklat Kehutanan , Fakultas Kehutanan Universitas Mulawarman. : Jurnal Pertanian Terpadu, Stiper Kutim, 2023 |                          |           |
|  | 4. Perhitungan Kebutuhan dan Pemetaan Ruang Terbuka Hijau Di Kota Bontang. : Jurnal Agrifor , 2023  |                          |           |
|  | 5. Membangun Distribusi Biomassa di Hutan Alam Dipterocarpa. Jurnal Ulin Hutan Tropis, 2023.  |                          |           |
| <b>Activities in specialist bodies over the last 5 years</b> | 6. Pelatihan Penebangan dan Penyaradan Kayu Dengan Menggunakan Mesin Pancang Tarik ( <i>Monocable-winch</i> ).: Jurnal Abdiku, 2023   |                          |           |
|  | Organization  | Role                     | Periode   |
|  | -   | -                        | -         |



|  |   |   |              |
|--|---|---|--------------|
| <b>Name</b>  | Ir. Darul Aksa, M.P.  |   |              |
| <b>Position</b>  | Assistant Professor   |   |              |
| <b>Academic Career</b>   | Doctoral Degree   | University                                    | Year         |
|  | -   | -   | -            |
|  | Master Degree   | University                                    | Year         |
|  |   | Mulawarman University                         | 2002         |
|  | Undergraduate degree  | University                                    | Year         |
|  |   | Universitas 17 Agustus<br>1945 Samarinda      | 1989         |
| <b>Employment</b>  | Position  | Employer                                      | Period       |
|  | Lecturer  | Faculty of Forestry,<br>Mulawarman University | 1991-present |
| <b>Research and development projects over the last 5 years</b> | Name of project or research focus   | Funding Sources                               | Period       |
|  | Patners, if applicable  |   |              |
|  | Amount of financing   |   |              |
| <b>Industry collaborations over the last 5 years</b>           | Project Titles  | Partners                                      | Period       |
| <b>Patents and proprietary rights</b>                          | Titles  |   | Year         |
| <b>Important publications over the last 5 years</b>            | Selected recent publications from a total of approx<br>(give total number): |   |              |
| <b>Activities in specialist bodies over the last 5 years</b>   | Organization  | Role  | Periode      |



|  |   |   |               |
|--|---|---|---------------|
| <b>Name</b>  | Dr.Agr.sc. Erwin, S.Hut., M.P.  |   |               |
| <b>Position</b>  | Associate Professor   |   |               |
| <b>Academic Career</b>   | <b>Doctoral Degree</b>  | <b>University</b>   | <b>Year</b>   |
|  | Forest and Biomaterial Science, Departement of Agriculture  | Kyoto University  | 2008          |
|  | <b>Master Degree</b>  | <b>University</b>   | <b>Year</b>   |
|  | Forestry science, Postgraduate Program, Faculty of Forestry   | Mulawarman University   | 2001          |
| <b>Employment</b>  | <b>Undergraduate degree</b>   | <b>University</b>   | <b>Year</b>   |
|  | Technology of Forest Product, Faculty of Forestry   | Mulawarman University   | 1997          |
|  | <b>Position</b>   | <b>Employer</b>   | <b>Period</b> |
|  | Vice dean for student affairs and alumni  | Faculty of Forestry, Mulawarman University  | 2021-2024     |
| <b>Research and development projects over the last 5 years</b> | <b>Name of project or research focus</b>  | <b>Funding Sources</b>  | <b>Period</b> |
|  | Kajian Demplot Pilot Project untuk Pengembangan 5 Produk Unggulan Desa Paling Potensial di Kabupaten Paser                          | Bappedalitbang, Kabupaten Paser   | 2023          |
|  | Identifikasi dan Analisa Potensi Pengembangan Ekonomi Desa Berbasis Komoditas Unggulan Lokal di Kabupaten Paser                     | Bappedalitbang, Kabupaten Paser   | 2023          |
|  | Peningkatan Nilai Tambah Hasil Hutan Bukan Kayu Dari Tumbuhan Tropis Genus Litsea dalam Menghasilkan Minyak Atsiri Berbantu Analisa | DRPM Ditjen Penguatan Risbang<br>Kemenristekdikti:<br>Pendanaan Desentralisasi Skema PUPT<br>Kemenristekdikti | 2018-2019     |



Histokimia Dan Teknik  
Penyulingan

**Industry  
collaborations  
over the last 5  
years  
Patents and  
proprietary  
rights  
Important  
publications  
over the last 5  
years**

| Partners, if applicable                                   | Amount of financing | Project Titles   | Partners | Period |
|---|---------------------|--|----------|--------|
|   |                     | -  | -        | -      |
|   |                     | Titles   | Year     |        |
|   |                     | -  | -        |        |
| Selected recent publications from a total of approx (17): |                     |  |          |        |
|   |                     | 1. Detection of Reaction Wood of Mahagony Using Two Differences Methods (2018)   |          |        |
|   |                     | 2. Antagonistic evaluation of <i>Trichoderma viride</i> and <i>Aspergillus flavus</i> against wood-decay fungus <i>Pleurotus ostreatus</i> . (2018) (Macroscopical Characteristics), Seminar/Konferensi/Simposium: 1st International Conference on Tropical Studies and Its Application (ICTROPS), Terindeks scopus, Penyelenggara Seminar/Konferensi/Simposium: IOP Conference Series: Earth and Environmental Science, ISSN 2468-5747 ISBN 978-94-6239-362-2 |          |        |
|   |                     | 3. Wood Macroscopic and Fiber Dimensions of Pasak Bumi Root ( <i>Eurycoma longifolia</i> ), Seminar/Konferensi/Simposium: 4th joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: The Advances in Biological Sciences Research, Waktu Pelaksanaan Seminar/Konferensi/ Simposium, ISSN 2468-5747 ISBN 978-94-6239-362-2 (2019)   |          |        |
|   |                     | 4. The Existence of Reaction Wood on Branch of Teak Wood ( <i>Tectona grandis</i> Linn. F) (Macroscopical Characteristics), Seminar/Konferensi/Simposium: 4th joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: The Advances in Biological Sciences Research, Waktu Pelaksanaan Seminar/Konferensi/ Simposium, ISSN 2468-5747 ISBN 978-94-6239-362-2 (2019)   |          |        |
|   |                     | 5. Identification of Fossil Wood from Samarinda, East Borneo. (Macroscopical Characteristics), Seminar/Konferensi/Simposium: 4th joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: The Advances in Biological Sciences Research, Waktu Pelaksanaan Seminar/Konferensi/ Simposium, ISSN 2468-5747 ISBN 978-94-6239-362-2 (2019)  |          |        |
|   |                     | 6. Patterns of Iron Stain on Gelam Wood ( <i>Melaleuca cajuputi</i> Powell), Seminar/Konferensi/Simposium: 4th joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: The Advances in Biological Sciences Research, Waktu Pelaksanaan Seminar/Konferensi/ Simposium, ISSN 2468-5747 ISBN 978-94-6239-362-2 (2019)  |          |        |
|   |                     | 7. Anatomi Akar Dan Kayu Tiga Jenis Pasak Bumi Dari Katingan, Kalimantan Tengah. ISSN: 2460-5875 E-ISSN: 2460-5883 (2020)  |          |        |
|   |                     | 8. Ciri Makroskopis, Kekerasan dan Berat Jenis Fosil Kayu Asal Desa Purwajaya Kutai Kartanegara. P ISSN 2599-1205, eISSN 2599-1183 (2021)  |          |        |
|   |                     | 9. Ciri Makroskopis Fosil Kayu dari Tiga Desa di Kalimantan Timur. Seminar/Konferensi/Simposium: Prosiding Seminar Nasional PMEI V Waktu   |          |        |

Pelaksanaan Seminar/Konferensi/ Simposium 2020, Pages 128-133 ISSN (E): 2776 - 6322. (2021)

10. Analisa Mikroskopis Dan Kehilangan Berat Pada Kayu Kapur (*Dryobalanops sp.*) Yang Terinfeksi Jamur Pelapuk Putih (*Schizophyllum commune*). ISBN: 978-623-7480-77-8 (2021)
11. Analisis Kehilangan Berat Dan Kandungan Fitokimia Kayu *Dryobalanops sp.* Yang Terinfeksi Jamur Pelapuk *Schizophyllum commune*. ISBN : 978-623-7480-77-8 (2021)
12. Metal corrosion in wood joint products and structures: a review (2022)
13. Struktur makroskopis dan mikroskopis fosil kayu asal Desa Bangun Rejo, Kabupaten Kutai Kartanegara (2022)
14. Literasi Warga Desa Purwajaya, Terhadap Temuan dan Pemanfaatan Fosil Kayu, P-ISSN 2963-1327 E-ISSN 2963-7902 (2022)
15. Analisa Kerapatan dan Kadar Abu pada Kayu Kapur (*Dryobalanops sp.*) yang Terinfeksi Jamur Pelapuk Putih (*Schizophyllum commune*). pISSN 2599-1205, eISSN 2599-1183 (2022)
16. Characteristics of Fossil Wood from Loa Tebu Kutai Kartanegara, East Kalimantan. ISSN: 2808-5639(Online) (2023)
17. Analisis Warna Kayu Berbasis Komputer, pH, Dan Sifat Fisika Kayu Meranti Merah, Meranti Putih Dan Keruing Dari Toko Kayu Di Samarinda. ISSN 2356-0312 (Print) and ISSN 2356-0320 (Online) (2023)

**Activities in specialist bodies over the last 5 years**

| Organization   | Role   | Periode      |
|--|--------|--------------|
| Alumni union from Japan (PERSADA)                            | Member | 2008-present |
| Kyoto University Alumni Association (HAKU)                   | Member | 2008-present |
| Indonesian Wood Research Society (MAPEKI)                    | Member | 2001-present |
| Mulawarman University Faculty of Forestry Alumni Association | Member | 1997-present |



**Name** Dr.rer.nat. Harmonis, S.Hut., M.Sc.  
**Position** Associate Professor

| <b>Academic Career</b>   | Doctoral Degree  | University                                     | Year      |
|--|--|--|-----------|
|  | Faculty of Environment and Natural Resources   | Albert-Ludwigs University of Freiburg, Germany | 2013      |
|  | Master Degree  | University                                     | Year      |
|  | Faculty of Forest and Environmental Sciences   | Albert-Ludwigs University of Freiburg, Germany | 2004      |
| <b>Employment</b>  | Undergraduate degree   | University                                     | Year      |
|  | Faculty of Forestry  | Mulawarman University                          | 1997      |
|  | Position   | Employer                                       | Period    |
| Lecturer   | Faculty of Forestry, Mulawarman University   | 1999-present                                   |           |
| Vice dean of general and financial affairs                     | Faculty of Forestry, Mulawarman University   | 2021-present                                   |           |
| <b>Research and development projects over the last 5 years</b> | Name of project or research focus  | Funding Sources                                | Period    |
|  | Blue Carbon Initiative Project in Mahakam Delta  | Pertamina Foundation                           | 2022-2024 |
|  | Blue Carbon Initiative Project in Bontang  | Pertamina Foundation                           | 2022-2024 |
|  | Evaluasi-Monitoring Restorasi Keanekaragaman Hayati di Area Rehabilitasi Mangrove Delta Mahakam  | Pertamina Foundation                           | 2022-2023 |
|  | Membangun sistem dan inisiasi pengelolaan habitat Orangutan dalam kesatuan habitat bentang alam Menyapa Lesan melalui kerjasama multipihak | TFCA Kalimantan - Yayasan Kehati               | 2021-2024 |



|  |   |   |        |
|--|---|---|--------|
|  | Keanekaragaman Hayati pada Kesatuan Ekosistem Gambut, Riparian dan Kerangas di Mahakam Tengah   | Deutsche Gesellschaft für Internationale Zusammenarbeit (GV) - Peatland Rehabilitation and Management Project | 2021   |
|  | Penilaian Keanekaragaman Hayati Delta Kayan-Sembakung Kalimantan Utara  | Deutsche Gesellschaft für Internationale Zusammenarbeit (GV) - Peatland Rehabilitation and Management Project | 2019   |
| <b>Industry collaborations over the last 5 years</b> | Patners, if applicable<br>Amount of financing<br>Project Titles   | Partners  | Period |
|  | Pendampingan pengendalian hama, penyakit dan tumbuhan invasif di PT Gunung Gajah Abadi  | PT Gunung Gajah Abadi   | 2023   |
|  | Pengaruh aplikasi herbisida glifosat pada serangga dan mikroba  | PT Jaya Bumi Paser  | 2023   |
|  | Pemantauan flora dan fauna di areal reklamasi tambang PT Kitadin Site Tandung Mayang  | PT Kitadin  | 2018   |
| <b>Patents and proprietary rights</b>                | Titles  |   | Year   |
|  | Buku: Kupu-kupu Papilionidae Kalimantan Timur: Biologi, Ekologi dan Preferensi Habitat (No. 000452323)  |   | 2023   |
| <b>Important publications over the last 5 years</b>  | Selected recent publications from a total of approx (11):   |   |        |
|  | 1. Diversity of butterflies in the tropical wetland of Kayan-Sembakung Delta, North Kalimantan, Indonesia. Biodiversitas Journal of Biological Diversity 23 (6) (2022)  |   |        |
|  | 2. Kupu-kupu Papilionidae Kalimantan Timur: Biologi, Ekologi dan Preferensi Habitat. Buku diterbitkan Mulawarman University Press (2021)  |   |        |
|  | 3. Diversity and community pattern of butterflies on degraded heath forests in Eastern Kalimantan. Proceedings of the Joint Symposium on Tropical Studies (JSTS-19): Advances in Biological Sciences Research, volume 11 (2021) |   |        |
|  | 4. Identifikasi Tumbuhan Inang Dan Perilaku Imago Kupu-Kupu Di Bawah Tegakan Hutan Sekunder Muda Hutan Pendidikan Fakultas Kehutanan Universitas Mulawarman, ISBN/ISSN: 978-623-7480-99-0. (2021)                               |   |        |
|  | 5. Keragaman Jenis Ngengat Pada Tiga Tipe Habitat Di Kawasan Hutan  |   |        |
|  | 6. Pendidikan Fakultas Kehutanan Universitas Mulawarman ISBN/ISSN: 978-623-7480-99-0. (2021)  |   |        |
|  | 7. Conservation of kelulut (stingless bee) in East and North Kalimantan, Indonesia. IOP Proceeding (2020)   |   |        |
|  | 8. Potensi Implementasi Kupu-kupu sebagai Indikator Perubahan Tipe Habitat. Artikel dalam Buku Chapter “Tropical Studies” diterbitkan IPB Press (2020)  |   |        |

9. V1016G Point Mutation: The Key Mutation in the Voltage-Gated Sodium Channel (Vgsc) Gene of Pyrethroid-Resistant *Aedes aegypti* (Diptera: Culicidae) in Indonesia. *Medical Entomology* 56(4): 953–958 (2019)
10. Monitoring Insecticide Resistance Profiles of *Aedes aegypti* (Diptera: Culicidae) in the Sunda Islands of Indonesia Based on Diagnostic Doses of Larvicides. *Journal of Medical Entomology* 56 (2) (2019)
11. Preliminary dengue vector surveillance in the Sunda Islands, Indonesia: Interchange of breeding habitat preferences of *Aedes aegypti* and *Aedes albopictus*. *Tropical Biomedicine* 36 (1) (2019)
12. Efficacy of Mosquito Coils: Cross-resistance to Pyrethroids in *Aedes aegypti* (Diptera: Culicidae) From Indonesia. *Journal of Economic Entomology* 111(6): 2854–2860 (2018)

**Activities in specialist bodies over the last 5 years**

| Organization                         | Role   | Periode      |
|--------------------------------------|--------|--------------|
| Masyarakat Taksonomi Fauna Indonesia | member | 2009-present |
| Perhimpunan Entomologi Indonesia     | member | 2013-present |
| Perhimpunan Biologi Indonesia        | member | 2013-present |
| Masyarakat Biodiversitas Indonesia   | member | 2017-present |
| Masyarakat Silvikultur Indonesia     | member | 2021-present |



- Irvin Dayadi (Mandiri). Penerbit: Fakultas Kehutanan, Universitas Hasanuddin, Tahun Terbit: 2021, Jum. Hal.: 7 ISSN: 1412-7784, Volume: Vol. 17, Edisi: APRIL (2021)
6. Klasifikasi Kode Mutu dan Pengaruh Jumlah Lapisan Kayu Lamina Kombinasi Jenis Bayur (*Pterospermum javanicum*) dan Pangsor (*Ficus callosa* Willd.) Prosiding Seminar Nasional, “Nilai Pertanian: Dari Potensi Lokal Menuju Pasar Yang Berdaya Saing”. Fakultas Pertanian Universitas Mulawarman. Penulis : Irvin Dayadi (Anggota)
  7. Hal. 329 (39 - 44). Penerbit Fakultas Pertanian Universitas Mulawarman. Tahun terbit : Agustus 2021.
  8. Pengaruh Jumlah Lapisan Terhadap Kualitas Kayu Lamina Dari Kayu Pangsor (*Ficus callosa* Willd.) Dengan Perekat Polivinil Asetat. Prosiding Seminar Nasional Fakultas Kehutanan dan Ilmu Lingkungan (FHIL) dan Komunitas Manajemen Hutan Indonesia (KOMHINDO) VI : “Relaksasi Pengelolaan Hutan Indonesia Pasca Undang-Undang Cipta Kerja”. Penulis : Irvin Dayadi (Anggota). Hal. 450 (364-372). Penerbit UHO EduPress. Tahun terbit : Agustus 2021.
  9. Korelasi Antara Kerapatan Kering Tanur Dengan Nilai Penyusutan Dan Sifat Mekanika Kayu Bayur (*Peterospermum javanicum*) DAN PANGSOR (*Ficuse callosa Wild*). *Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan*, Penerbit: LPPM Universitas 17 Agustus 1945 Samarinda, Tahun Terbit: 2022, Jum. Hal.: 8. ISSN: , Volume: 21, Edisi: Vol.21 No.2 (2022)
  10. Papan Semen Partikel Campuran Kayu Jabon (*Anthocephalus cadamba* Miq.) dan Sekam Padi Berdasarkan Variasi Tekanan Kempa. *Jurnal Multidisiplin Madani (MUDIMA)*. Penulis: Irvin Dayadi (Mandiri), Penerbit: Formosa Publisher, Tahun Terbit: 2022, Jum. Hal.: 12, ISSN: Volume: 2, Edisi: 7 (2022)
  11. Effect of width, thickness, and length on static bending of red meranti (*Shorea* sp.). The 3rd International Conference on Mathematics and Sciences (The 3rd ICMSc) A Brighter Future with Tropical Innovation in the Application of Industry 4.0
  12. Seminar/Konferensi: Penulis: Irvin Dayadi (Mandiri). Penerbit: American Institute of Physics (AIP) Publishing, Tahun: Oct 2022, Waktu: ISSN: 978-0-7354-4214-6, Volume: 2668, Edisi: 1, Jum. Hal.: 5 (2022)
  13. Pembuatan Transfer Foto Ke Kayu Dengan Perekat DF74 Sebagai Salah Satu Usaha Di Tempat Wisata. Penulis: Irvin Dayadi (Anggota). *Jurnal ABDIKU Mulawarman: Jurnal Pengabdian Masyarakat*. Penerbit : Mulawarman Press. Tahun terbit : Nov 2022. Vol. 1 No.1. Hal.: 41-46.
  14. Effect of Polypropylene (PP) Plastic Waste Ratio with a Mixture of Sengon Wood Powder (*Paraserianthes falcataria* L.I.C. Nielsen) And Rice Husks (*Oryza sativa*) on The Quality Of Plastic Composite Boards. Penulis : Irvin Dayadi (Anggota). *Jurnal Atomik Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Mulawarman*. Penerbit : FMIPA UNMUL. Tahun Terbit : Maret 2023. □ Vol 8 No. 1 (2023) . Hal 155-160.
  15. Pengaruh Jenis Perekat dan Pengerjaan Permukaan Bidang Rekat Terhadap Keteguhan Geser Rekat Laminasi Kayu Terap (*Artocarpus elasticus* Reinw. ex Blume).
  16. Penulis : Irvin Dayadi (Anggota). *Jurnal Atomik Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Mulawarman*. Penerbit : FMIPA UNMUL. Vol. 8 No. 2 (2023). Hal. : 71-76.

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
| -            | -    | -       |



**Name** Rindayatno, S.Hut, M.P

**Position** Assistant Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree    | University                                 | Year |
|-----------------|------------------|--|------|
|                 | Forestry Science | Faculty of Forestry, Mulawarman University | 2008 |

| Academic Career | Undergraduate degree      | University                                 | Year |
|-----------------|---------------------------|--|------|
|                 | Forest Product Technology | Faculty of Forestry, Mulawarman University | 1999 |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 2000-Present |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 2000-Present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Industry collaborations over the last 5 years | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|------------------------|---------------------|----------------|----------|--------|
|   | -                      | -                   | -              | -        | -      |

| Industry collaborations over the last 5 years | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|------------------------|---------------------|----------------|----------|--------|
|   | -                      | -                   | -              | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Important publications over the last 5 years | Selected recent publications from a total of approx (6 publications):  |
|--|--|
|  | <ol style="list-style-type: none"> <li>1. Particle Cement Board Quality from Corn Cob (Zea Mays L.) Based on Differences In Particle Size - International Journal of Scientific Multidisciplinary Research (IJSMR) - 2023</li> <li>2. Characteristics of Charcoal Briquettes, Activated Charcoal, and Liquid Smoke from Rice Husk (Oriza sativa L.) - Formosa Journal of Sustainable Research (FJSR) - 2023</li> <li>3. Characteristics of Charcoal Briquettes, Activated Charcoal, and Liquid Smoke from Palm Shells (ElaisGuineensisJacq) - Formosa Journal of Sustainable Research (FJSR) - 2022</li> <li>4. Charcoal Briquette Quality Analysis Based on Composition Palm Oil (Elais guineensis Jacq) Midrib Charcoal Powder with Sugar Palm (Arenga pinnata Merr) Midrib Charcoal Powder - Jurnal Multidisiplin Madani (MUDIMA) - 2022</li> </ol> |

Selected recent publications from a total of approx (6 publications):

1. Particle Cement Board Quality from Corn Cob (Zea Mays L.) Based on Differences In Particle Size - International Journal of Scientific Multidisciplinary Research (IJSMR) - 2023

2. Characteristics of Charcoal Briquettes, Activated Charcoal, and Liquid Smoke from Rice Husk (Oriza sativa L.) - Formosa Journal of Sustainable Research (FJSR) - 2023

3. Characteristics of Charcoal Briquettes, Activated Charcoal, and Liquid Smoke from Palm Shells (ElaisGuineensisJacq) - Formosa Journal of Sustainable Research (FJSR) - 2022

4. Charcoal Briquette Quality Analysis Based on Composition Palm Oil (Elais guineensis Jacq) Midrib Charcoal Powder with Sugar Palm (Arenga pinnata Merr) Midrib Charcoal Powder - Jurnal Multidisiplin Madani (MUDIMA) - 2022





5. Komposisi Serbuk Arang Karamunting (*Melastom malabathricum*) dengan Serbuk Arang Sirih Hutan (*Piper aduncum*) terhadap Kualitas Briket Arang - Jurnal Multidisiplin Madani (MUDIMA) - 2021
6. Karakteristik Briket Arang dari Cangkang Sawit (*Elaeis guinnensis* J.) dan Sekam Padi (*Oryza sativa* L.) - Jurnal Lembusuana - 2018

| Activities in specialist bodies over the last 5 years | Organization | Role | Periode |
|---|--------------|------|---------|
|   | -            | -    | -       |



**Name** Ir. Sri Sarminah, M.P.

**Position** Associate Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree       | University            | Year |
|-----------------|---------------------|-----------------------|------|
|                 | Faculty of Forestry | Mulawarman University | 2000 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Faculty of Forestry  | Mulawarman University | 1990 |

| Employment | Position | Employer                                     | Period         |
|------------|----------|--|----------------|
|            | Lecturer | Faculty of Forestry<br>Mulawarman University | 1991 – present |

|  |  |  |             |
|--|--|--|-------------|
|  | Head of Soil and Water Conservation Laboratory | Faculty of Forestry<br>Mulawarman University | 2013 – 2018 |
|--|--|--|-------------|

|  |  |  |                |
|--|--|--|----------------|
|  | Editor team ABDIKU Jurnal Pengabdian Masyarakat Universitas Mulawarman | Faculty of Forestry<br>Mulawarman University | 2022 – present |
|--|--|--|----------------|

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources | Period      |
|---|---|-----------------|-------------|
|   | Penelitian Produk Terapan Rehabilitasi Lahan Dan Konservasi Tanah (Rlkt) Pada Lahan Kritis Dengan Sistem Agroforestri | DIKTI           | 2017 – 2018 |

|  |   |                    |      |
|--|---|--------------------|------|
|  | Penyusunan Dokumen dan Naskah Akademik Rencana Perlindungan dan Pengelolaan Lingkungan Hidup (RPPLH) Kota Samarinda | DLH Kota Samarinda | 2019 |
|--|---|--------------------|------|

|  |  |      |           |
|--|--|------|-----------|
|  | Strengthening Forest Area Planning and Management Kalimantan | UNDP | 2019-2020 |
|--|--|------|-----------|

|  |                        |  |  |
|--|------------------------|--|--|
|  | Patners, if applicable |  |  |
|--|------------------------|--|--|

|  |                     |  |  |
|--|---------------------|--|--|
|  | Amount of financing |  |  |
|--|---------------------|--|--|

|  |  |                 |               |
|--|--|-----------------|---------------|
| <b>Industry collaborations over the last 5 years</b> | <b>Project Titles</b>  | <b>Partners</b> | <b>Period</b> |
|  | -  | -               | -             |
|  |  |                 |               |
| <b>Patents and proprietary rights</b>                | <b>Titles</b>  |                 | <b>Year</b>   |
|  | Teknologi Konservasi Tanah dan Air (No. P/ID 000115424)  |                 | 2018          |
|  | Panduan Praktikum Konservasi Tanah dan Air (No. P/ID 000180147)  |                 | 2019          |
| <b>Important publications over the last 5 years</b>  | <b>Selected recent publications from a total of approx (24):</b>   |                 |               |
|  | 1. Rehabilitation and soil conservation of degraded land using sengon ( <i>Falcataria moluccana</i> ) and peanut ( <i>Arachis hypogaea</i> ) agroforestry system (Ditulis dalam Jurnal Biodiversitas), index Scopus Q3, Scimagojr, DOAJ dan Google Scholar, ISSN: 1412-033X, 2085-4722, Vol. 19, No. 1, Januari 2018, Hal: 222-228, Sri Sarminah, Karyati, Karmini, Jhonatan Simbolon, Erikson Tambunan. (2018)  |                 |               |
|  | 2. The mixed cropping of <i>Anthocephalus cadamba</i> and <i>Glycine max</i> for rehabilitating sloping lands (Ditulis dalam Jurnal Biodiversitas), Index Scopus Q3, Scimagojr, DOAJ dan Google Scholar, ISSN: 1412-033X, 2085-4722, Vol. 19, No. 6, November 2018, Hal: 2088-2095, Karyati, Sri Sarminah, Karmini, Gunawan Simangunsong, Jekson Tamba. (2018)   |                 |               |
|  | 3. Analisis Penentuan Laju Infiltrasi dan Permeabilitas Pada Beberapa Tutupan Lahan di Hutan Pendidikan Fakultas Kehutanan Universitas Mulawarman Samarinda (Ditulis dalam ULIN: Jurnal Hutan Tropis), Index SINTA-4 dan Google Scholar, ISSN: 2599-1205, 2599-1183, Vol. 2, No. 1, Maret 2018, Hal: 6-15, Askoni, Sri Sarminah. (2018)  |                 |               |
|  | 4. Effect of Vegetation Diversity on Erosion Rate (Ditulis dalam Agrifor: Jurnal Ilmu Pertanian dan Kehutanan), Index SINTA-4 dan Google Scholar, ISSN: 1412-6885, 2503-4960, Vol. 17, No. 2, Oktober 2018, Hal: 355-368, Sri Sarminah, Farha Shera Prititania, Karyati. (2018)  |                 |               |
|  | 5. Silvicultural, hydro-orological and economic aspects of a combination of vegetative ( <i>Falcataria moluccana</i> - <i>Vigna cylindrica</i> ) and terrace systems in soils of different slopes (Ditulis dalam Jurnal Biodiversitas), Index Scopus Q3, Scimagojr, DOAJ dan Google Scholar, ISSN: 1412-033X, 2085-4722, Vol. 20, No. 8, Agustus 2019, Hal: 2308-2315, Karyati, Sri Sarminah, Karmini, Rujehan, Vebi Fitriana Eko Lestari, Wendy Satria Panorama. (2019) |                 |               |
|  | 6. Pemetaan Sebaran Tingkat Bahaya Erosi Di Wilayah Sub DAS Lempake (Ditulis dalam ULIN: Jurnal Hutan Tropis), Index SINTA-4 dan Google Scholar, ISSN: 2599-1205, 2599-1183, Vol. 3, No. 2, September 2019, Hal: 85-96, Sri Sarminah, Triyono Sudarmadji, Oktavianus Surya Nata. (2019)  |                 |               |
|  | 7. Pendugaan evapotranspirasi di lahan agroforestri dan lahan terbuka hutan pendidikan Fakultas Kehutanan Unmul (Ditulis dalam Agrifor: Jurnal Ilmu Pertanian dan Kehutanan), Index SINTA-4 dan Google Scholar, ISSN: 1412-6885, 2503-4960, Vol. 18, No. 2, Oktober 2019, Hal: 325-338, Sri Sarminah, M. Brian J. Pasaribu Pasaribu, Marlon I. Aipassa. (2019)   |                 |               |
|  | 8. Kualitas Air Pada DAS Bugis Dan DAS Wain Di Kawasan Hutan Lindung Sungai Wain Balikpapan (Ditulis dalam ULIN: Jurnal Hutan Tropis), Index SINTA-4 dan Google Scholar, ISSN: 2599-1205, 2599-1183, Vol. 4, No. 2, September 2020, Hal: 77-91, Sri Sarminah, Dyna Raya Anugerah, Marlon Ivanhoe Aipassa, Agus din. (2020)   |                 |               |

9. Conservation and economic aspects of a combination of forestry-agricultural crops (*Neolamarckia cadamba*-*Phaseolus vulgaris*) and terrace systems in different slope classes (Ditulis dalam *SAINS TANAH - Journal of Soil Science and Agroclimatology*), Index Scopus, Scimagojr, SINTA-1, DOAJ, ISSN: 1412-3606, 2356-1424, Vol. 18, No. 1, Juni, 2021, Hal: 98-106, Karyati, Sri Sarminah, Karmini Karmini, Ali Muhammad Akbar, Rifaldi Hermansyah. (2021)
10. The Role of Canopy Structure of *Terminalia catappa* Linn. on Decreasing Light Penetration and Ambient Temperature as Climate Change Mitigation (Ditulis dalam *Wood Research Journal*, terindeks Google Scholar ISSN: 2087-3840, Vol 12 No. 1(2021) April 2021, Hal: 35-40, Marjenah, Karyati, Sri Sarminah, Muhammad Syafrudin, Irwan, Anjas Aswar, and Indar Ruardianto (2021)
11. Karakteristik Iklim Mikro pada Posisi Topografi Berbeda di Taman Sejati Kota Samarinda (Ditulis dalam *Jurnal Penelitian Ekosistem Dipterokarpa*), Index SINTA-3 dan Google Scholar, ISSN: 2460-5875, 2460-5883, Vol. 7, No. 1, Juni 2021, Karyati, Suci Rahmatika Cahyaningprastiwi, Sri Sarminah. (2021)
12. Suhu dan Kelembapan Tanah Pada Posisi Topografi dan Kedalaman Tanah Berbeda di Taman Sejati Kota Samarinda (Ditulis dalam *Agrifor : Jurnal Ilmu Pertanian dan Kehutanan*), Index SINTA-4 dan Google Scholar, ISSN: 1412-6885, 2503-4960, Vol. 20, No. 2, Oktober 2021, Hal: 189-198, Suci Rahmatika Cahyaningprastiwi, Karyati, Sri Sarminah. (2021)
13. Effect of Organic Mulch on Runoff and Erosion Rates in Abandoned Land (Ditulis dalam *Proceedings of the Joint Symposium on Tropical Studies*) Index CPCI, CNKI and Google Scholar, ISBN: 978-94-6239-362-2, ISSN: 2468-5747, Vol. 11, 10 April 2021, Hal: 308-314, Sri Sarminah, Dhony Saputra Perdana Sinaga, Rini Crisdayanti, Muhammad Syafrudin. (2021)
14. Kajian Lahan Kritis pada Wilayah Daerah Tangkapan Air (DTA) Danau Toba (Ditulis dalam *Prosiding Sikma 8 Seminar Ilmiah Kehutanan Mulawarman*), ISBN: 978-623-7480-77-8, Vol. 1, Juni 2021, Hal: 91-97, Joise Butar Butar, Sri Sarminah, Triyono Sudarmadji. (2021)
15. Pengaruh Penggunaan Lahan Terhadap Kualitas Air Sub DAS Betapus Samarinda Kalimantan Timur (Ditulis dalam *Prosiding Sikma 8 Seminar Ilmiah Kehutanan Mulawarman*), ISBN: 978-623-7480-77-8, Vol. 1, Juni 2021, Hal: 183-196, Indra Gunawan, Sri Sarminah, Muhammad Syafrudin. (2021)
16. "Evaluasi Tingkat Keberhasilan Revegetasi Lahan Pasca Tambang Batu Bara (Ditulis dalam *Prosiding Seminar Nasional Fakultas Kehutanan dan Ilmu Lingkungan (FHIL) dan Komunitas Manajemen Hutan Indonesia VI*), ISBN: 978-623-98409-2-1, Desember 2021, Hal: 245-257, Herdyanto, Sri Sarminah." (2021)
17. Penanganan Lahan yang Berpotensi Longsor dengan Rancangan Teknik Vegetatif dan Mekanik (Ditulis dalam *Prosiding Sikma 9 Seminar Ilmiah Kehutanan Mulawarman*), ISBN: 978-623-7480-99-0, Vol. 2, September 2021, Hal: 73-81, Fradia Sagita Maulana, Triyono Sudarmadji, Sri Sarminah (2021)
18. Karakteristik Iklim Mikro pada Areal Tambang Batu bara CV CITRA di Kecamatan Muara Badak Kabupaten Kutai Kartanegara (Ditulis dalam *Prosiding Sikma 9 Seminar Ilmiah Kehutanan Mulawarman*), ISBN: 978-623-7480-99-0, Vol. 2, September 2021, Hal: 37-51, Indah Ayu Paramitha, Sri Sarminah, Triyono Sudarmadji (2021)
19. Persepsi dan Identifikasi Kegiatan Pemanfaatan Air Sungai Mahakam oleh Masyarakat Kelurahan Selili Kota Samarinda (Ditulis dalam *Prosiding Sikma 9 Seminar Ilmiah Kehutanan Mulawarman*), ISBN: 978-623-7480-99-0, Vol. 2,

September 2021, Hal: 112-121, Indri Qolbiyani, Emi Purwanti, Sri Sarminah (2021)

20. Pengaruh Usaha Industri Rumah Tangga Pengolahan Tahu Terhadap Baku Mutu Air Sungai Mahakam di Kelurahan Selili (Ditulis dalam Prosiding Sikma 9 Seminar Ilmiah Kehutanan Mulawarman), ISBN: 978-623-7480-99-0, Vol. 2, September 2021, Hal: 203-209, Nur Aisyah, Emi Purwanti, Sri Sarminah (2021)
21. Pengaruh Perubahan Tutupan Lahan terhadap Karakteristik Aliran Masuk (Inflow) di Bendungan Benanga (Ditulis dalam Prosiding Sikma 9 Seminar Ilmiah Kehutanan Mulawarman), ISBN: 978-623-7480-99-0, Vol. 2, September 2021, Hal: 238-247, Rajib Azzani, Marlon Ivanhoe Aipassa, Sri Sarminah (2021)
22. Studi Perilaku Masyarakat dalam Mengelola Limbah Domestik dan Strategi Pengelolaannya di Bantaran Sungai Mahakam Kelurahan Selili Samarinda (Ditulis dalam Prosiding Sikma 9 Seminar Ilmiah Kehutanan Mulawarman), ISBN: 978-623-7480-99-0, Vol. 2, September 2021, Hal: 286-297, Zaenab, Sri Sarminah, Emi Purwanti (2021)
23. Implementation of Land Rehabilitation to Reduce Soil Erosion and Surface Runoff by Sengon (*Falcataria moluccana*) and Jabon (*Antocephalus cadamba*) Plantation (Ditulis dalam Proceedings of the International Conference on Tropical Agrifood, Feed and Fuel (ICTAFF 2021) Index CPCI, CNKI and Google Scholar, ISSN 2468-5747, ISBN 978-94-6239-510-7 Vol. 17, 7 Januari 2022, Hal. 246 - 250, Sri Sarminah, Karyati, T. Hartono, F. Afandi (2022)
24. Estimasi Erodibilitas Tanah dan Identifikasi Jenis Erosi di Wilayah Pasca Tambang Batu bara (Ditulis dalam Agrifor : Jurnal Ilmu Pertanian dan Kehutanan), Index SINTA-4 dan Google Scholar, ISSN: 1412-6885; 2503-4960, Vol. 21, No. 1, Maret 2022, Hal: 13-26, Sri Sarminah, Uli Artha Gultom, Syamad Ramayana (2022)

**Activities in specialist bodies over the last 5 years**

| Organization   | Role   | Periode        |
|--|--------|----------------|
| Mulawarman University<br>Faculty of Forestry<br>Alumni Association | Member | 1990 - present |
| The Institute of Engineers<br>Indonesia                            | Member | 2021 - present |
| Indonesian Forest<br>Management Community                          | Member | 2021 - present |
| Indonesian Association of<br>Environmental Experts<br>Forum        | Member | 2019 - present |



**Name** Dr. Sutedjo

**Position** Assistant Professor

| Academic Career | Doctoral Degree      | University             | Year                          |
|-----------------|----------------------|------------------------|-------------------------------|
|                 |                      |                        | Universitaet Hamburg, Germany |
|                 | Master Degree        | University             | Year                          |
|                 | Biology              |                        |                               |
|                 | Undergraduate degree | University             | Year                          |
|                 | Biology              | Gadjah Mada University | 1978-1982                     |
| Employment      | Position             | Employer               | Period                        |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   |                                   |                 |        |

| Industry collaborations over the last 5 years | Partners, if applicable |          |        |
|---|-------------------------|----------|--------|
|   | Amount of financing     |          |        |
| Patents and proprietary rights                | Project Titles          | Partners | Period |

| Patents and proprietary rights |  | Titles | Year |
|--------------------------------|--|--------|------|
|                                |  |        |      |

**Important publications over the last 5 years** Selected recent publications from a total of approx (9):

1. Inventory of herbs plants at three different locations in forest education of Mulawarman University, Samarinda, East Kalimantan, Penulis: Yasfina Harum Mercury, Sutedjo & Rita Diana, Nama Jurnal: Journal Of Agriculture And Applied Biology, Volume Jurnal: 2, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2016, Halaman: 11-19, E-ISSN: 2723-5106, Penerbit: Future Science, Malang, Indonesia" (2021)
2. Dinamika Jenis Macaranga Gigantea: Dampak Dari Tebang Pilih Dan Kebakaran Hutan Di Kalimantan Timur, Penulis: Sutedjo, Paulus Matius, Rita Diana, Rohman (Ketua), Nama Jurnal: Jurnal Silva Tropika, Volume Jurnal: 5, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, Jumlah Halaman: 11, ISSN: 2615-8353, E-ISSN: 2621-4113, Penerbit: Fakultas Kehutanan Universitas Jambi (2021)
3. Herb Inventory in the Forest Education of Forestry Faculty Mulawarman University, Penulis: Yasfina Harum Mercury, Sutedjo, Rita Diana (Anggota [3] ), Nama Seminar/Konferensi/Simposium: Joint Symposium on Tropical Studies

- (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Kehutanan Unmul, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: 10 April 2021, ISBN/ISSN: 978-94-6239-362-2/2468-5747 (2021)
4. Diversity and Community Pattern of Butterflies on Degraded Heath Forest in East Kalimantan, Penulis: Harmonis & Sutedjo, Nama Seminar/Konferensi/Simposium: Joint Symposium on Tropical Studies (JSTS-19), Nama Jurnal: Advances in Biological Sciences Research, Volume Jurnal: 11, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, ISBN/ISSN: 10.2991/absr.k.210408.029/2468-5747, Penerbit: Atlantis Press (2021)
  5. The Potential of Dipterocarpaceae in the Karst of Sangkulirang Mangkalihat, Penulis: Rifani, Paulus Matius, Hastaniah, Sutedjo, Raharjo Ari Suwasono, Rita Diana, Nama Seminar/Konferensi/Simposium: Joint Symposium on Tropical Studies (JSTS-19), Nama Jurnal: Advances in Biological Sciences Research, Volume Jurnal: 11, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, ISBN/ISSN: 10.2991/absr.k.210408.046/2468-5747, Penerbit: Atlantis Press" (2021)
  6. Model Pemantauan Dinamika Keterpulihan Ekologis Lahan Revegetasi Pasca Tambang Batu Bara, Penulis/Pengedit: Triyono Sudarmadji, Wahjuni Hartati, Chandradewana Boer, Sutedjo, Sukartiningsih [dan 2 lainnya]; editor, Adelia Juli Kardika, ISBN: 978-623-5771-32-8, 978-623-5771-33-5, Penerbit: Tanesa, Jumlah Halaman: 275 (4) (2022)
  7. Pemanfaatan Jenis-jenis Mangrove Sebagai Makanan Olahan di Muara Badak Ulu Kutai Kartanegara, Penulis: Rita Diana, Paulus Matius, Hastaniah, Sutedjo, Cicha Rantika Meilani, Esti Handayani Hardi, Haris Retno Susmiyati, Nurul Puspita Palupi, Nama Jurnal: Jurnal Pengabdian Masyarakat Universitas Mulawarman, Volume Jurnal: 1, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2022, Jumlah Halaman: 5, ISSN: 2963-1327, E-ISSN: 2963-7902, Penerbit: Abdiku (Jurnal Pengabdian Masyarakat Mulawarman (2022)
  8. Estimasi Karbon Stok Pada Pepohonan Di Arboretum Laboratorium Sumberdaya Hayati Kalimantan (LSHK), Universitas Mulawarman Samarinda, Penulis: Rita Diana, Oscar Situmorang, Hastaniah, Sutedjo, Chandradewana Boer ( Anggota [4] ), Nama Jurnal: Jurnal Tengawang, Volume Jurnal: 12, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2022, Halaman: 105-115, ISSN:2087-8788, E-ISSN: 2714-6855, Penerbit: Fakultas Kehutanan Universitas Tanjungpura (2022)
  9. Potensi Serapan Karbondioksida Pada Beberapa Ruang Terbuka Hijau Di Kampus Universitas Mulawarman Gunung Kelua Samarinda, Penulis: Mega Puspita Fredyanti, Rita Diana, Sutedjo ( Anggota [3] ), Nama Jurnal: Jurnal Ulin (Jurnal Hutan Tropis), Volume Jurnal: 6, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2022, Halaman: 105-115, ISSN: 2599-1183, E-ISSN:2599-1205, Penerbit: Fakultas Kehutanan Universitas Tanjungpura (2022)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Dr. Ir. Triyono Sudarmadji, M.Agr

**Position** Assistant Professor

| Academic Career | Doctoral Degree | University          | Year |
|-----------------|-----------------|---------------------|------|
|                 |                 | Hokkaido University | 1993 |
| Academic Career | Master Degree   | University          | Year |

| Employment | Undergraduate degree | University                                    | Year         |
|------------|----------------------|---|--------------|
|            | Position             | Employer                                      | Period       |
|            |                      | Institut Pertanian Bogor                      | 1983         |
|            | Lecturer             | Faculty of Forestry,<br>Mulawarman University | 1985-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   |                                   |                 |        |

| Industry collaborations over the last 5 years | Partners, if applicable |          |        |
|---|-------------------------|----------|--------|
|   | Amount of financing     | Partners | Period |
|   |                         |          |        |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                |        |      |

**Important publications over the last 5 years** Selected recent publications from a total of approx (13):

1. Reassessment of Forest Area and it's Scoring as a Permanent Production Forest, Penulis: Triyono Sudarmadji dan Wahjuni Hartati, Nama Seminar/Konferensi/Simposium: 1st International Conference on Tropical Studies and Its Application (ICTROPS), Penyelenggara Seminar/Konferensi/Simposium: Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: Samarinda 9 November 2017, ISBN: 1755-1315 E-ISSN: 1755-1307 (Publikasi Terindex Scopus) (2018)
2. Biochar enriched with organic fertilizer improves the survival and growth rate of Anthocephalus cadamba seedlings planted on degraded spodosols, Penulis: Syahrudin, Wahjuni Hartati, Triyono Sudarmadji, Nurman Krisdianto, Ibrahim, Nama Jurnal: Biodiversitas, Volume Jurnal: 20, Nomor Jurnal: 12, Tahun Terbit Jurnal: 2019, Halaman: 3741-3750, ISSN: 1412-033X E-ISSN: 2085-4722, Penerbit: Biodiversitas Journal of Biological Diversity (2019)





3. Pemetaan Sebaran Tingkat Bahaya Erosi di Wilayah Sub DAS Lempake, Penulis: Sri Sarminah, Triyono Sudarmadji, Oktavianus Surya Nata, Nama Jurnal: Ulin : Jurnal Hutan Tropis, Volume Jurnal: 3, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2019, Halaman: 89-96, ISSN: 2500-1205, E-ISSN: 2599-1183, Penerbit: Fakultas Kehutanan Universitas Mulawarman (2019)
4. Mineralogical Characterization of Soils In Plantation Forest of East Kalimantan, Indonesia, Penulis: Paranoan Ria Rachel, Kustiawan Wawan, Marjenah, Hartati Wahjuni, Syahrinudin, Sukartiningih, Sudarmadji Triyono, Nama Jurnal: RJOAS: Russian Journal of Agricultural and Socio-Economic Sciences, Volume Jurnal: 1, Nomor Jurnal: 109, Tahun Terbit Jurnal: 2021, Halaman: 101-104, ISSN: 2226-1184, Penerbit: Russian Journal of Agricultural and Socio-Economic Sciences (2021)
5. Estimasi Cadangan Karbon Pada Tumbuhan Bawah dan Serasah Di Hutan Pendidikan dan Penelitian Fakultas Kehutanan Universitas Mulawarman Samarinda, Penulis: Wahjuni Hartati, Ali Suhardiman, Triyono Sudarmadji, Eko Adi Sulistiyo, Nama Jurnal: Ulin : Jurnal Hutan Tropis, Volume Jurnal: 5, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2021, Halaman: 55-64, ISSN: 2500-1205, E-ISSN: 2599-1183, Penerbit: Fakultas Kehutanan Universitas Mulawarman (2021)
6. Ekological Restoration og Gold Mined Out Forest Lands in East Kalimantan, Indonesia, Penulis: Triyono Sudarmadji, Wahjuni Hartati, Nama Jurnal: Journal Ecology, Environment and Conservation, Volume Jurnal: 27, Tahun Terbit Jurnal: 2021, Halaman: 287-292, ISSN: 0971-765X, Penerbit: EM International. (2021)
7. Post Mining Evaluation of Forest Land Rehabilitation and Potential Ecosystem Recovery, Penulis: Triyono Sudarmadji, Wahjuni Hartati, Nama Seminar/Konferensi/Simposium: Proceedings of the Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/Simposium: Tanjung Redeb Berau 4-6- September 2019, ISBN/ISSN: 978-94-6239-362-2 /2468-5747. (2021)
8. Biochar Application on Spodosols Soils Promotes Higher Plant Growth and Survival Rate, Penulis: Syahrinudin, Triyono Sudarmadji, Nurman Krisdianto, Ibrahim, Wahjuni Hartati, Nama Seminar/Konferensi/Simposium: Proceedings of the Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: Tanjung Redeb Berau 4-6- September 2019, ISBN/ISSN: 978-94-6239-362-2 /2468-5747. (2021)
9. Spodosols of East Kalimantan: Land Cover Disturbances Induced Degradation of Soil Properties, Penulis: Wahjuni Hartati, Jauhar Arifin, Triyono Sudarmadji, Syahrinudin, Daddy Ruhiyat, Nama Seminar/Konferensi/Simposium: Proceedings of the Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: Tanjung Redeb Berau 4-6- September 2019, ISBN/ISSN: 978-94-6239-362-2 /2468-5747. (2021)
10. The dynamics of soil carbon in revegetated post-coal mining sites: A case study in Berau, East Kalimantan, Indonesia, Penulis: Wahjuni Hartati, Triyono Sudarmadji., Nama Jurnal: Biodiversitas, Volume Jurnal: 23, Nomor Jurnal: 10, Tahun Terbit Jurnal: 2022, Halaman: 4984-4991, ISSN: 1412-033X E-ISSN: 2085-4722, Penerbit: Jurnal Biodiversitas Journal of Biological Diversity (2022)
11. Evaluasi keberhasilan rehabilitasi lahan pasca tambang batu bara, Penulis: Triyono Sudarmadji dan Wahjuni Hartati, ISBN: 978-623-5771-22-9, Penerbit: Tanesa, Jumlah Halaman: 132. (2022)
12. Nutrient Concentration of N, P and K in the Components of Eucalyptus pellita F. Muell Tree in East Kalimantan, Indonesia, Penulis: Ria Paranoan, Wawan Kustiawan, Marjenah, Wahjuni Hartati, Syahrinudin, Sukartiningih, Triyono



Sudarmadji, Nama Seminar/Konferensi/Simposium: Proceedings of the International Conference on Tropical Agrifood, Feed and Fuel (ICTAFF 2021), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Pertanian Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: 7 September 2021, ISBN/ISSN: 10.2991/absr.k.220102.008/ 2468-5747 (2022)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Dr. Ir. Syahrinudin, M.Sc.

**Position** Assistant Professor

| Academic Career | Doctoral Degree      | University                            | Year |
|-----------------|----------------------|---------------------------------------|------|
|                 |                      | Universitat Bonn                      | 2005 |
| Academic Career | Master Degree        | University                            | Year |
|                 |                      | Georg August Universitat Zu Gottingen | 1997 |
| Academic Career | Undergraduate degree | University                            | Year |
|                 |                      | Mulawarman University                 | 1991 |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 1992-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   |                                   |                 |        |

| Industry collaborations over the last 5 years | Partners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|-------------------------|---------------------|----------------|----------|--------|
|   |                         |                     |                |          |        |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                |        |      |

**Important Publications Over The Last 5 Years** Selected Recent Publications From A Total Of Approx (12):

1. Carbon mineralization dynamics of tropical peats in relation to peat characteristics, Penulis: AKHMAD R. SAIDY, ZURAIDA T. MARIANA, FENGKY A. ADJI, ROSSIE W. NUSANTARA, IRMA FITRIA, SYAHRINUDIN, Nama Jurnal: Biodiversitas, Volume Jurnal: 19, Nomor Jurnal: 4, Tahun Terbit Jurnal: 2018, Halaman: 1413-1421, ISSN: 1412-033X E-ISSN: 2085-4722, Penerbit: Biodiversitas Journal of Biological Diversity (2018)
2. Seasonal yield and composition of an inland artisanal fishery in a humic floodplain ecosystem of Central Kalimantan, Indonesia, Penulis: Sulmin Gumiri, Ardianor1, Syahrinudin, Gusti Z. Anshari, Yukio Komai, Kazuo Taki, Harukuni Tachibana, Nama Jurnal: Biodiversitas, Volume Jurnal: 19, Nomor Jurnal: 4, Tahun Terbit



- Jurnal: 2018, Halaman: 1181-1185, ISSN: 1412-033X E-ISSN: 2085-4722, Penerbit: Biodiversitas Journal of Biological Diversity (2018)
3. Biochar enriched with organic fertilizer improves the survival and growth rate of *Anthocephalus cadamba* seedlings planted on degraded spodosols, Penulis: Syahrinudin, Wahjuni Hartati, Triyono Sudarmadji, Nurman Krisdianto, Ibrahim, Nama Jurnal: Biodiversitas, Volume Jurnal: 20, Nomor Jurnal: 12, Tahun Terbit Jurnal: 2019, Halaman: 3741-3750, ISSN: 1412-033X E-ISSN: 2085-4722, Penerbit: Biodiversitas Journal of Biological Diversity (2019)
  4. Biomass And Carbon Distribution On *Imperata cylindrica* Grasslands , Penulis: Syahrinudin, Manfred Denich, Mathias Becker, Wahjuni Hartati, Paul L.G. Vlek, Nama Jurnal: Biodiversitas, Volume Jurnal: 21, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2020, Halaman: 74-79, ISSN: 1412-033X E-ISSN: 2085-4722, Penerbit: Biodiversitas Journal of Biological Diversity (2019)
  5. Biochar Yang Diproduksi Dengan Tungku Drum Tertutup Retort Memberikan Pertumbuhan Tanaman Yang Lebih Tinggi (Biochar Produced By Retort Closed Drum Kiln Promotes Higher Plant Growth Rate), Penulis: Syahrinudin, Arya Wijaya, Tunggul Butarbutar, Wahjuni Hartati, Ibrahim Ibrahim, Maurit Sipayung, Nama Jurnal: Ulin : Jurnal Hutan Tropis, Volume Jurnal: 2, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2018, Halaman: 49-58, ISSN: 2500-1205, E-ISSN: 2599-1183, Penerbit: Fakultas Kehutanan Universitas Mulawarman (2019)
  6. Emisi Gas Rumah Kaca Kota Samarinda: Tantangan dan peluang mitigasi, Penulis: Karyati, Syahrinudin, Rita Diana, ISBN: 978-623-7480-32-7, Penerbit: Mulawarman University Press, Jumlah Halaman: 149. (2020)
  7. Mineralogical Characterization of Soils In Plantation Forest of East Kalimantan, Indonesia, Penulis: Paranoan Ria Rachel, Kustiawan Wawan, Marjenah, Hartati Wahjuni, Syahrinudin, Sukartiningsih, Sudarmadji Triyono, Nama Jurnal: RJOAS: Russian Journal of Agricultural and Socio-Economic Sciences, Volume Jurnal: 1, Nomor Jurnal: 109, Tahun Terbit Jurnal: 2021, Halaman: 101-104, ISSN: 2226-1184, Penerbit: Russian Journal of Agricultural and Socio-Economic Sciences (2021)
  8. Nutrient Concentration Of Mg Of *Eucalyptus pellita* F. Muell Tree Components In East Kalimantan, Indonesia, Penulis: Paranoan R.R., Kustiawan W., Marjenah, Hartati W., Syahrinudin, Nama Jurnal: RJOAS: Russian Journal of Agricultural and Socio-Economic Sciences, Volume Jurnal: 8, Nomor Jurnal: 116, Tahun Terbit Jurnal: 2021, Halaman: 113-116, ISSN: 2226-1184, Penerbit: Russian Journal of Agricultural and Socio-Economic Sciences (2021)
  9. Biochar Application on Spodosols Soils Promotes Higher Plant Growth and Survival Rate, Penulis: Syahrinudin, Triyono Sudarmadji, Nurman Krisdianto, Ibrahim, Wahjuni Hartati, Nama Seminar/Konferensi/Symposium: Proceedings of the Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Symposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Symposium: Tanjung Redeb Berau 4-6-September 2019, ISBN/ISSN: 978-94-6239-362-2 /2468-5747. (2021)
  10. Species diversity and estimation of carbon stock in abandoned shrimp pond of mangrove ecosystem in East Kalimantan, Penulis: R Diana, P Matius, Syahrinudin, Karyati, M Hendra and R Melsitiara, Nama Seminar/Konferensi/Symposium: International Conference on Sustainable Utilization of Natural Resources 2020, Penyelenggara Seminar/Konferensi/Symposium: Pattimura University, Waktu Pelaksanaan Seminar/Konferensi/ Symposium: 28 November 2020, Ambon, Indonesia, ISBN/ISSN: 1755-1315 E-ISBN/E-ISSN: 1755-1307 (Publikasi Terindex Scopus). (2021)
  11. Spodosols of East Kalimantan: Land Cover Disturbances Induced Degradation of Soil Properties, Penulis: Wahjuni Hartati, Jauhar Arifin, Triyono Sudarmadji, Syahrinudin, Daddy Ruhayat, Nama Seminar/Konferensi/Symposium:



Proceedings of the Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: Tanjung Redeb Berau 4-6- September 2019, ISSN: 2468-5747, ISBN: 978-94-6239-362-2. (2021)

12. Nutrient Concentration of N, P and K in the Components of Eucalyptus pellita F. Muell Tree in East Kalimantan, Indonesia, Penulis: Ria Paranoan, Wawan Kustiawan, Marjenah, Wahjuni Hartati, Syahrinudin, Sukartiningsih, Triyono Sudarmadji, Nama Seminar/Konferensi/Simposium: Proceedings of the International Conference on Tropical Agrifood, Feed and Fuel (ICTAFF 2021), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Pertanian Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: 7 September 2021, ISSN: 2468-5747, ISBN: 978-94-6239-362-2. (2022)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Ir. Hj. Hastaniah, M.P.

**Position** Assistant Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

|  | Master Degree       | University            | Year |
|--|---------------------|-----------------------|------|
|  | Faculty of Forestry | Mulawarman University | 1999 |

|  | Undergraduate degree | University            | Year |
|--|----------------------|-----------------------|------|
|  | Faculty of Forestry  | Mulawarman University | 1987 |

| Employment | Position | Employer                                      | Period       |
|------------|----------|---|--------------|
|            | Lecturer | Faculty of Forestry,<br>Mulawarman University | 1991-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | Patners, if applicable            |                 |        |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   |                |          |        |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                |        |      |

**Important publications over the last 5 years** Selected recent publications from a total of approx (10):

1. Komposisi Jenis Kayu Komersial pada Umur Pasca Tebangan yang Berbeda di Areal PT Utama Damai Indah Timber (Udit) Berau Kalimantan Timur Nama Seminar: Seminar Nasional Silvikultur VI, Penyelenggara Seminar: Fakultas Kehutanan dan Ilmu Lingkungan Universitas Halu Oleo, Waktu Pelaksanaan Seminar: 8-9 Agustus 2018, ISBN/ISSN: ISSN: 0125-975X (2018)
2. The Potential of Dipterocarpaceae in the Karst of Sangkulirang Mangkalihat Seminar/Konferensi: Series: Advances in Biological Sciences Research Proceedings of the Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar: Atlantis Press, Part of Springer Nature, Waktu Pelaksanaan Seminar: 10 April 2021, ISSN: 978-94-6239-362-2 (2018)
3. Inventarisasi Tumbuhan Tingkat Pancang dan Semai Berkhasiat Obat di Lembo yang Digunakan Oleh Suku Dayak Tunjung Kampung Ngenyan Asa Kecamatan Barong Tongkok Kabupaten Kutai Barat, Penulis: Hastaniah (Anggota [4]), Nama

Jurnal: Jurnal Pertanian Terpadu, Volume Jurnal: 7, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2019, Jumlah Halaman: 250, ISSN: 2354-7251, E-ISSN: 2549-7383, Penerbit: Sekolah Tinggi Pertanian Kutai Timur (2019)

4. Kearifan Lokal Masyarakat Dayak Benuaq Dalam Memanfaatkan Tumbuhan Berhasiat Obat Di Kutai Barat, Kalimantan Timur, Penulis: Paulus Matius, Marthomas R, Hastaniah Hastaniah, Rita Diana, Sutedjo Sutedjo, Nama Jurnal: Jurnal Tengkwang, Volume Jurnal: 11, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2021, Halaman: 106-116, ISSN: 2087-8788 e-ISSN: 2714-6855, Penerbit: Fakultas Kehutanan Universitas Tanjungpura (2020)
5. Identifikasi Kearifan Lokal dalam Pemanfaatan Jenis-Jenis Tumbuhan Untuk Ketahanan Pangan Dan Obat-Obatan, Penulis: Yustina Anggraini, Paulus Matius, Hastaniah, Rita Diana, Nama Jurnal: Jurnal Penelitian Kehutanan, Volume Jurnal: 14, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2020, Halaman: 73-86, ISSN: 1978-4996 e-ISSN: 2746-7155, Penerbit: Fakultas Pertanian Universitas Pattimura (2020)
6. Kearifan Lokal Masyarakat Dayak Benuaq Dalam Memanfaatkan Tumbuhan Berhasiat Obat Di Kutai Barat, Kalimantan Timur, Penulis: Paulus Matius, Marthomas R, Hastaniah Hastaniah, Rita Diana, Sutedjo Sutedjo, Nama Jurnal: Jurnal Tengkwang, Volume Jurnal: 11, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2021, Halaman: 106-116, ISSN: 2087-8788 e-ISSN: 2714-6855, Penerbit: Fakultas Kehutanan Universitas Tanjungpura (2021)
7. Inventarisasi Tumbuhan Berhasiat Obat Yang Dimanfaatkan Suku Dayak Benuaq Di Desa Muara Nilik, Penulis: Paulus Matius, Marthomas. R, Hastaniah, Rita Diana, Sutedjo (Anggota [3] ), Nama Jurnal: Jurnal Tengkwang, Volume Jurnal: 2, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2021, Halaman: 11, ISSN: 2087-8788, E-ISSN: 2714-6855, Penerbit: Fakultas Kehutanan Universitas Tanjungpura (2021)
8. Estimasi Karbon Stok Pada Pepohonan Di Arboretum Laboratorium Sumberdaya Hayati Kalimantan (LSHK), Universitas Mulawarman Samarinda, Penulis: Rita Diana, Oscar Situmorang, Hastaniah, Sutedjo Chandradewana Boer (Anggota [5] ), Nama Jurnal: Jurnal Tengkwang, Volume Jurnal: 12, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2022, Halaman: 11, ISSN: 2087-8788, E-ISSN: 2714-6855, Penerbit: Fakultas Kehutanan Universitas Tanjungpura (2022)
9. Inventarisasi dan Pemetaan Pohon Buah (Edibel Friuts) di Kawasan Hutan Dengan Tujuan Khusus (KHDTK) Diklat Fahutan Unmul Samarinda, Penulis: Maria Yani Mapa, Rita Diana, Hastaniah Hastaniah, Paulus Matius, Rustam Rustam, Nama Jurnal: Jurnal Tengkwang, Volume Jurnal: 12, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2022, Halaman: 11, ISSN: 2087-8788, E-ISSN: 2714-6855, Penerbit: Fakultas Kehutanan Universitas Tanjungpura (2022)
10. Pemanfaatan Jenis-jenis Mangrove Sebagai Makanan Olahan di Muara Badak Ulu Kutai Kartanegara, Penulis: Rita Diana, Pulus Matius, Hastaniah, Sutedjo, Cicha Rantika Meilani, Esti Handayani Hardi, Haris Retno Susmiyati, Nurul Puspita Palupi, Nama Jurnal: Jurnal Pengabdian Masyarakat Universitas Mulawarman, Volume Jurnal: 1, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, Halaman: 5, ISSN: 2963-1327, E-ISSN: 2963-7902, Penerbit: Abdiku (2022)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Dr. Ir. Setiawati., MP  
**Position** Assistant Professor

| Academic Career | Doctoral Degree                       | University                                    | Year |
|-----------------|---------------------------------------|---|------|
|                 | Forest Management/<br>Social Forestry | Mulawarman University                         | 2016 |
| Academic Career | Master Degree                         | University                                    | Year |
|                 | Forest Management                     | Mulawarman University                         | 1998 |
| Academic Career | Undergraduate degree                  | University                                    | Year |
|                 | Forest Management                     | Faculty of Forestry,<br>Mulawarman University | 1989 |

| Employment | Position  | Employer                                      | Period         |
|------------|---|---|----------------|
|            | Lecturer  | Faculty of Forestry,<br>Mulawarman University | 1992 – present |
|            | Head (substitute) of Forest<br>Politics, Economics, and<br>Sosial Forestry Laboratory | Faculty of Forestry,<br>Mulawarman University | 2022 – present |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources         | Period |
|---|---|-------------------------|--------|
|   | Sertifikasi Perkebunan Berkelanjutan Berbasis Yuridiksi di Prov. Kaltim                 | Dinas Perkebunan Kaltim | 2021   |
|   | Study Baseline Survey Rumah Tangga di KPHP Kendilo Prov. Kaltim                         | KLHK                    | 2018   |
|   | Identifikasi Kawasan bernilai Knservasi Tinggi Pada Skala Bentang Lahan di Prov. Kaltim | KLHK                    | 2017   |

| Industry collaborations over the last 5 years | Patners, if applicable<br>Amount of financing<br>Project Titles  | Partners                                   | Period |
|---|--|--|--------|
|   | Tim Terpadu dalam rangka Usulan Perubahan Fungsi Kawasan Hutan dari Sebagian kawasan Hutan Produksi Tetap menjadi Kawasan Hutan Produksi | Kementerian Lingkungan Hidup dan Kehutanan | 2022   |





Yang dapat Dikonversi untuk Pembangunan Pusat Pemerintahan Kabupaten Tana Tidung

Tim Terpadu dalam rangka permohonan pelepasan Kawasan Hutan untuk Pembangunan Pusat Pemerintahan Kabupaten Tana Tidung

Kementerian Lingkungan Hidup dan Kehutanan

2022

**Patents and proprietary rights**

| Titles | Year |
|--------|------|
| -      | -    |

**Important publications over the last 5 years**

| Selected recent publications from a total of approx (give total number): 3                            |
|---|
| 1. Analisis Pengetahuan Petani Tambak Dalam Pembukaan Hutan Mangrove (2019)                           |
| 2. Pemanfaatan Hutan Desa Bukit Engkuyukng di Kutai Barat (2019)                                      |
| 3. Identifikasi Permasalahan Masyarakat Dalam Pemanfaatan Lahan di Desa Batu Lepoq Kutai Timur (2020) |

**Activities in specialist bodies over the last 5 years**

| Organization  | Role   | Periode        |
|---|--------|----------------|
| Perkumpulan Forum Tenaga Ahli Lingkungan Indonesia (P TALI) Wilayah Kalimantan Timur. | Member | 2019 - present |
| Center for Social Forestry Universitas Mulawarman                                     | Member | 2007 - present |



**Name** Dr. Ir. Wahjuni Hartati, MP.  
**Position** Associate Professor

| Academic Career | Doctoral Degree      | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Agricultural Science | Hasanuddin University | 2008 |
| Master Degree   | Forestry Science     | Mulawarman University | 1998 |
|                 | Undergraduate degree | University            | Year |
| Expertise       | Agricultural Soil    | IPB University        | 1983 |

| Employment | Position | Employer              | Period         |
|------------|----------|-----------------------|----------------|
|            | Lecturer | Mulawarman University | 1994 - present |

| Research and development projects over the last 5 years  | Name of project or research focus  | Funding Sources      | Period |
|--|--|----------------------|--------|
|  | Follow-up Survey of Location Plans for Blue Carbon Initiative (BCI) Implementation Activities in the Badak LNG Refinery Area in 2023 | Pertamina Foundation | 2023   |
| National Capital Forest and Land Rehabilitation (RHL IKN) Current Year (P0) 2022                 | BPDAS HL   | 2022                 |        |
| East Kalimantan Province Socialization Mapping Work  | KLHK   | 2022                 |        |
| Accelerating the Preparation of Peat Ecosystem Protection and Management Plans (RPPEG)           | KLHK   | 2022                 |        |
| Reclamation Assessment in the context of Reducing PKH PNBP in the PPKH Area PT Kideco Jaya Agung | PT KJA   | 2022                 |        |



|   |   |           |
|---|---|-----------|
| Planting and Maintenance for the Current Year (P0) Forest and Land Rehabilitation of the National Capital (RHL IKN) East Kalimantan Province            | BPDAS HL  | 2022      |
| Social Mapping of Prospective Locations for Accelerated Mangrove Rehabilitation in East Kalimantan Province, Faculty of Forestry, Mulawarman University | KLHK  | 2022      |
| Improvement of Soil Conditions in Industrial Plantation Forest PT. Sylvaduta Corporation Areas  | PT SDC  | 2022      |
| Social Mapping Location for Accelerated Mangrove Rehabilitation in East Kalimantan Province   | KLHK  | 2021      |
| Analyzing Inpres No 8 Th 2018 for Kalimantan Forest Project in East Kalimantan Province   | UNDP  | 2020      |
| There (3) Years Road Map Development for Province and Districts   | UNDP  | 2020      |
| Soil Sampling Training  | PT. KITADIN   | 2019      |
| Strengthening Forest Area Planning and Management in Kalimantan   | UNDP  | 2019-2020 |
| Preparation of Study Documents for Potential Social Forestry Development Programs on Jalan Poros Muara Kelian – Long Apari Mahulu Regency               | Mahulu Regency Environmental Service                    | 2018      |
| Preparation of Critical Land Studies  | North Kalimantan Provincial Government Forestry Service | 2017      |

**Industry collaborations over the last 5 years**

| Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|------------------------|---------------------|----------------|----------|--------|
|------------------------|---------------------|----------------|----------|--------|

- - -

| Patents and   | Titles   | Year |
|---|--|------|
| proprietary rights                                  | Evaluation of the Success of Post-Coal Mining Land Rehabilitation  | 2022 |
|   | Monitoring Model for the Dynamics of Ecological Recovery of Post-Coal Mining Revegetation Land   | 2022 |
| <b>Important publications over the last 5 years</b> | Selected recent publications from a total of approx (22):  |      |
|   | <ol style="list-style-type: none"> <li>1. Biochar Yang Diproduksi Dengan Tungku Drum Tertutup Retort Memberikan Pertumbuhan Tanaman Yang Lebih Tinggi (Biochar Produced By Retort Closed Drum Kiln Promotes Higher Plant Growth Rate), Author: Syahrudin, Arya Wijaya, Tunggul Butarbutar, Wahjuni Hartati, Maurit Sipayung, Nama Jurnal: ULIN: Jurnal Hutan Tropis, Volume Jurnal: 2, Nomor Jurnal: 1, Year of Publication: 2018, Page: 49-58, ISSN: 2599-1205, E-ISSN: 2599-1183, Publisher: Fakultas Kehutanan Universitas Mulawarman (2018)</li> <li>2. Reassessment of Forest Area and it's Scoring as a Permanent Production Forest, Penulis: Triyono Sudarmadji dan Wahjuni Hartati, Nama Seminar/Konferensi/Simposium: 1st International Conference on Tropical Studies and Its Application (ICTROPS), Penyelenggara Seminar/Konferensi/Simposium: Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: Samarinda 9 November 2017, ISBN: 1755-1315 E-ISSN: 1755-1307 (Publikasi Terindex Scopus) (2018)</li> <li>3. Biochar enriched with organic fertilizer improves the survival and growth rate of Anthocephalus cadamba seedlings planted on degraded spodosols, Penulis: Syahrudin, Wahjuni Hartati, Triyono Sudarmadji, Nurman Krisdianto, Ibrahim, Nama Jurnal: Biodiversitas, Volume Jurnal: 20, Journal Number: 12, Year of Publication: 2019, Page: 3741-3750, ISSN: 1412-033X E-ISSN: 2085-4722, Publisher: Biodiversitas Journal of Biological Diversity (2019)</li> <li>4. Potential Nutrient Leaves of Enterolobium cyclocarpum Griseb for Improving Soil Physical Properties of Post Mining Areas in East Kalimantan, Penulis: Sukariyan, Marjenah, W Kustiawan, W Hartati, N Wiyani, Nama Seminar/Konferensi/Simposium: The 2nd International Conference on Tropical Silviculture: Forest Research and Innovation for Sustainable Development, Penyelenggara Seminar/Konferensi/Simposium: IOP Conference Series: Earth and Environmental Science, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: 10–11 September 2019, Bogor, ISBN: 1755-1315 E-ISSN: 1755-1307. (2019)</li> <li>5. Hubungan Umur dengan Diameter Tegakan Eucalyptus pellita F. Muell Klon A di Hutan Tanaman Industri Kecamatan Sebulu Kutai Kartanegara Provinsi Kalimantan Timur, Penulis: Noor Jannah, Marjenah, Syahrudin, Wahjuni Hartati, Ria Rachel Paranoan, Nama Jurnal: Agrifarm : Jurnal Ilmu Pertanian, Volume Jurnal: 9, Nomor Jurnal: 1, Year of Publication: 2020, Page: 1-5, ISSN: 2301-9700, E-ISSN: 2450-8892, Publisher: Jurnal Ilmu Pertanian. (2020)</li> <li>6. Biomass and carbon distribution on Imperata cylindrica grasslands, Penulis: SYAHRINUDIN, MANFRED DENICH, MATHIAS BECKER, WAHJUNI HARTATI, PAUL L.G. VLEK, Nama Jurnal: Biodiversitas, Volume Jurnal: 21, Nomor Jurnal: 1, Year of Publication: 2020, Halaman: 74-79, ISSN: 1412-033X E-ISSN: 2085-4722, Publisher: Biodiversitas Journal of Biological Diversity (2020)</li> <li>7. Mineralogical Characterization of Soils In Plantation Forest of East Kalimantan, Indonesia, Author: Paranoan Ria Rachel, Kustiawan Wawan, Marjenah, Hartati Wahjuni, Syahrudin, Sukartiningasih, Sudarmadji Triyono, Journal Name: RJOAS: Russian Journal of Agricultural and Socio-Economic Sciences, Volume</li> </ol> |      |



Jurnal: 1, Journal Number: 109, Year of Publication: 2021, Page: 101-104, ISSN: 2226-1184, Publisher: Russian Journal of Agricultural and Socio-Economic Sciences (2021)

8. Ekological Restoration og Gold Mined Out Forest Lands in East Kalimantan, Indonesia, Author: Triyono Sudarmadji, Wahjuni Hartati, Journal Name: Journal Ecology, Environment and Conservation, Volume Jurnal: 27, Year of Publication: 2021, Page: 287-292, ISSN: 0971-765X, Publisher: EM International. (2021)
9. Post Mining Evaluation of Forest Land Rehabilitation and Potential Ecosystem Recovery, Penulis: Triyono Sudarmadji, Wahjuni Hartati, Nama Seminar/Konferensi/Simposium: Proceedings of the Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/Simposium: Tanjung Redeb Berau 4-6- September 2019, ISBN/ISSN: 978-94-6239-362-2 /2468-5747." (2021)
10. Biochar Application on Spodosols Soils Promotes Higher Plant Growth and Survival Rate, Penulis: Syahrinudin, Triyono Sudarmadji, Nurman Krisdianto, Ibrahim, Wahjuni Hartati, Nama Seminar/Konferensi/Simposium: Proceedings of the Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: Tanjung Redeb Berau 4-6-September 2019, ISBN/ISSN: 978-94-6239-362-2 /2468-5747. (2021)
11. Spodosols of East Kalimantan: Land Cover Disturbances Induced Degradation of Soil Properties, Penulis: Wahjuni Hartati, Jauhar Arifin, Triyono Sudarmadji, Syahrinudin, Daddy Ruhiyat, Nama Seminar/Konferensi/Simposium: Proceedings of the Joint Symposium on Tropical Studies (JSTS-19), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: Tanjung Redeb Berau 4-6- September 2019, ISBN/ISSN: 978-94-6239-362-2 /2468-5747. (2021)
12. Pertumbuhan tanaman Sengon Buto (*Enterolobium cyclocarpum* Griseb) fase tingkatan semai dengan media overburden, Penulis: Sukariyan, Marjenah, Wawan Kustaiwan, Wahjuni Hartati, Garini Widosari, Journal Name: Jurnal Agriment, Volume Jurnal: 6, Nomor Jurnal: 1, Year of Publication: 2021, Halaman: 58-63, ISSN: 2548-8872, E-ISSN: 2548-8864, Publisher: Jurnal Agriment. (2021)
13. Produksi Serasah Dari Ruang Terbuka Hijau Dan Potensi Pengembalian Nutrisi Tanaman Melalui Penerapan Bokashi, Author: Dian Ekayanti, Wahjuni Hartati, Syahrinudin, Nama Seminar/Konferensi/ Simposium: Seminar Ilmiah Kehutanan Mulawarman 9 (SIKMA 9), Penyelenggara Seminar/ Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar /Konferensi/Simposium: Samarinda, 21 September 2021, ISBN/ISSN: 978-623-7480-99-0." (2021)
14. Pengaruh Pemberian Biochar Dan Bokashi Terhadap Pertumbuhan Jelai (*Coix lacryma-Jobi* L.) Pada Lahan Rehabilitasi Pasca Tambang Batubara Di Samarinda Kalimantan Timur, Author: Corina Burara, Wahjuni Hartati, Syahrinudin, Nama Seminar/Konferensi/ Simposium: Seminar Ilmiah Kehutanan Mulawarman 10 (SIKMA 10), Penyelenggara Seminar/ Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman, Waktu Pelaksanaan Seminar /Konferensi/Simposium: Samarinda, 7 Desember 2021, ISBN/ISSN: 978-623-5262-03-1. (2021)

15. Evaluasi Keberhasilan Rehabilitasi Lahan Pasca Tambang Batu Bara, Author: Triyono Sudarmadji, Wahjuni Hartati, ISBN: 78-623-5771-22-9, Penerbit: Tanesa, Jumlah Halaman: 132. (2022)
16. Model Pemantauan Dinamika Keterpulihan Ekologi Lahan Revegetasi Pasca Tambang Batubara, Author: Triyono Sudarmadji dan Wahjuni Hartati, ISBN: 978-623-5771-32-8, E-ISBN: 978-623-5771-33-5, Penerbit: Tanesa, Pages: 293 (2022)
17. The dynamics of soil carbon in revegetated post-coal mining sites: A case study in Berau, East Kalimantan, Indonesia, Penulis: Wahjuni Hartati dan Triyono Sudarmadji. , Nama Jurnal: Biodiversitas, Volume Jurnal: 23, Journal Number: 10, Year of Publication: 2022, Page: 83-88, ISSN: 2087-3948,, E-ISSN: 2087-3956, Penerbit: Journal Nusantara Bioscience. (2022)
18. Nutrient Concentration of N, P and K in the Components of Eucalyptus pellita F. Muell Tree in East Kalimantan, Indonesia, Author: Ria Paranoan, Wawan Kustiawan, Marjenah, Wahjuni Hartati, Syahrudin, Sukartiningsih, Triyono Sudarmadji, Nama Seminar/Konferensi/Simposium: Proceedings of the International Conference on Tropical Agrifood, Feed and Fuel (ICTAFF 2021), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Pertanian Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: 7 September 2021, ISBN/ISSN: 10.2991/absr.k.220102.008/ 2468-5747 (2022)
19. Keterpulihan ekosistem lahan pasca tambang batubara tertinggal jauh di belakang keberhasilan rehabilitasi lahan, Penulis: Triyono Sudarmadji, Wahjuni Hartati. , Nama Jurnal: ULIN: Jurnal Hutan Tropis, Volume Jurnal: 7, Journal Number: 1, Year of Publication: 2023, Page: 1-9, ISSN: 2599-1205, E-ISSN: 2599-1183, Publisher: Fakultas Kehutanan Universitas Mulawarman.(2023)
20. Estimasi Cadangan Karbon Pada Tumbuhan Bawah dan Serasah Di Hutan Pendidikan dan Penelitian Fakultas Kehutanan Universitas Mulawarman Samarinda, Author: Wahjuni Hartati, Ali Suhardiman, Triyono Sudarmadji, Eko Adi Sulistiyo, Nama Jurnal: ULIN: Jurnal Hutan Tropis, Volume Jurnal: 5, Journal Number: 2, Year of Publication: 2021, Page: 55-64, ISSN: 2599-1205, E-ISSN: 2599-1183, Publisher: Fakultas Kehutanan Universitas Mulawarman. (2023)

**Activities in specialist bodies over the last 5 years**

| Organization   | Role          | Periode   |
|--|---------------|-----------|
| Management of the Indonesian Soil Science Association (HITI) East Kalimantan Regional Commissariat | Administrator | 2021-2025 |
| Daily Executive of the Indonesian Forest Management Community (KOMHINDO)                           | Administrator | 2021      |
| Editor and Member in Tanesa Book Publishing  | Editor        | 2021      |



**Name** Dr. Yaya Rayadin, S.Hut., M.P.  
**Position** Assistant Professor

| Academic Career | Doctoral Degree | University                    | Year |
|-----------------|-----------------|-------------------------------|------|
|                 |                 | Hokkaido University,<br>Japan | 2009 |

| Academic Career | Master Degree        | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Faculty of Forestry  | Mulawarman University | 2002 |
| Academic Career | Undergraduate degree | University            | Year |
|                 | Faculty of Forestry  | Mulawarman University |      |

| Employment | Position | Employer                                      | Period       |
|------------|----------|---|--------------|
|            | Lecturer | Faculty of Forestry,<br>Mulawarman University | 2002-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Industry collaborations over the last 5 years | Partners, if applicable | Amount of financing |
|---|-------------------------|---------------------|
|   | -                       | -                   |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   | -              | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

**Important publications over the last 5 years** Selected recent publications from a total of approx (11):

- Habitat preference based on herpetofauna spatial distribution in Coal Mining Area of PT Singlurus Pratama, East Kalimantan, Penulis: Teguh Muslim, Yaya Rayadin, Ali Suhardiman, Nama Jurnal: Journal AGRIFOR Jurnal Ilmu Pertanian dan Kehutanan, Nomor Jurnal: 1, Vol. 17, Tahun Terbit Jurnal: 2018, Halaman: , ISSN: 1412-6885, E-ISSN: 2503-4960, Penerbit: LPPM Universitas 17 Agustus 1945 Samarinda (Sinta 4) (2018)
- Kehadiran dan Keragaman Herba-Liana Sebagai Sumber Pakan Satwa Liar di Kawasan Reklamasi Pascatambang Batubara PT Kideco Jaya Agung, Paser, Kalimantan Timur, Penulis: Slamet Rohmadi, Yaya Rayadin, Paulus Matius, dan Yosep Ruslim, Nama Jurnal: Jurnal Penelitian Ekosistem Dipterokarpa, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2018, Halaman: Vol 4, ISSN: 2460-5875, E-ISSN: 2460-5883, Penerbit: Balai Besar Pengujian Standar Instrumen Lingkungan Hidup (Sinta 3) (2018)



3. Occupancy patterns of ungulates and pig tailed macaques across regenerating and anthropogenic forests on Borneo, Penulis: Elena Bersacola, Wiwit Juwita Sastramidjaja, Yaya Rayadin, David W Macdonald, dan Susan M Cyeyne, Nama Jurnal: *Hystrix the Italian Journal of Mammalogy*, Nomor Jurnal: Vol 30, Tahun Terbit Jurnal: , Halaman: , ISSN: 1825-5272, E-ISSN: 0394-1914, Penerbit: Associazione Teriologica Italiana (2019)
4. Pemanfaatan Sumber Daya Hutan Oleh Masyarakat di Sekitar Taman Nasional Kutai, Penulis: Rahmah Rahmah, Yaya Rayadin dan Marlon Ivanhoe Aipssa, Nama Jurnal: *AgriFor: Jurnal Ilmu Pertanian dan Kehutanan*, Nomor Jurnal: 2 Vol 18, Tahun Terbit Jurnal: 2019, Halaman: , ISSN: 1412-6885, E-ISSN: 2503-4960, Penerbit: LPPM Universitas 17 Agustus 1945 Samarinda (Sinta 4) (2019)
5. Pengembangan Bontang Mangrove Park Sebagai Model Perlindungan Ekosistem Mangrove di Taman Nasional Kutai dan Dampaknya Terhadap Perubahan Tutupan Lahan, Penulis: Eko Harjanto, Yaya Rayadin, Marlon I Aipassa dan Yosep Ruslim, Nama Jurnal: *Jurnal Penelitian Ekosistem Dipterokarpa*, Nomor Jurnal: 1 , Tahun Terbit Jurnal: 2019, Halaman: Vol 5, ISSN: 2460-5875, E-ISSN: 2460-5883, Penerbit: Balai Besar Pengujian Standar Instrumen Lingkungan Hidup (Sinta 3) (2019)
6. Perilaku Bersarang Orangutan Morio (*Pongo pygmaeus morio*) Pada Habitat di Sekitar Sungai Sangatta Kanan, Penulis: Zheri Hermawan, Yaya Rayadin, Paulus Matius, dan Yosep Ruslim Nama Jurnal: *Jurnal Penelitian Ekosistem Dipterokarpa*, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2019, Halaman: Vol 5, ISSN: 2460-5875, E-ISSN: 2460-5883, Penerbit: Balai Besar Pengujian Standar Instrumen Lingkungan Hidup (Sinta 3) (2019)
7. What does it take to have a mutually beneficial research collaboration across countries?, Penulis: Yaya Rayadin dan Zuzana Burivalova, Nama Jurnal: *Conservation Science and Practice*, Nomor Jurnal: 5 Vol 4 , Tahun Terbit Jurnal: 2022 , Halaman: , ISSN: 2578-4854 , E-ISSN: 2578-4854, Penerbit: Conservation Science and Practice (2021)
8. Potential analysis of location, socio-culture and biodiversity as ecotourism attraction in Valentine Bay on Buano Island, West Seram, Maluku, Indonesia, Penulis: Martha E. Siahaya, Paulus Matius, Marlon I. Aipassa, Yaya Rayadin, Yosep Ruslim, dan Hendrik S.E.S Aponno, Nama Jurnal: *Biodiversitas Jurnal of Biological*, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2021, Halaman: 438-448, ISSN: 1412-033X E-ISSN: 2085-4722, Penerbit: Society for Indonesia Biodiversity (2021)
9. Loss of temporal structure of tropical soundscapes with intensifying land use in Borneo, Penulis: Z. Burilova, T.M Maeda, Purnomo, Y Rayadin, T. Boucher, P. Choksi, P. Roe, A. Truskinger, E.T Game , Nama Jurnal: *Science of the Total Environment* , Nomor Jurnal: Vol 825, Tahun Terbit Jurnal: 2022, Halaman: , ISSN: , E-ISSN: , Penerbit: Elsevier B.V (Terindeks: Q1) (2022)
10. Implications of large-scale infrastructure development for biodiversity in Indonesian Borneo, Penulis: Katie L. Spencer, Nicolas J. Deere, Muhammad Aini, Ryan Avriandy, Gail Campbell-Smith, Susan M. Cheyne, David W. Macdonald, Andrew J.marshall, Courtney Morgans, Yaya Rayadin, KArmele L. Sanchez, Stephanie Spehar, Suanto, Jito Sugardjito, Heiko U. Wittmer, Jatna Supriatna, dan Matthew J. Struebig , Nama Jurnal: *Science of the Total Environment*, Nomor Jurnal: Vol 866, Tahun Terbit Jurnal: 2022 , Halaman: , ISSN: , E-ISSN: , Penerbit: Elsevier B.V (Terindeks: Q1) (2022)
11. Variasi Umur Tanaman Reklamasi Terhadap Struktur dan Komposisi Vegetasi di Areal Reklamasi Tambang PT Kideco Jaya Agung, Paser, Kalimantan Timur, Penulis: Slamet Rohmadi, Paulus Matius, Agung Adhitya Priahutama, Dendi Nur Ramadani, Jamilatul Munawarah, Rizki Maharani dan Yaya Rayadin , Nama Jurnal: *Jurnal Ilmu Lingkungan*, Nomor Jurnal: 1 Vol. 20, Tahun Terbit Jurnal:





2022, Halaman: 13-21, ISSN: 1829-8907, E-ISSN: 1829-8707, Penerbit: Program Ilmu Lingkungan Sekolah Pascasarjana UNDIP (Sinta 2) (2022)

| <b>Activities<br/>specialist<br/>bodies over the<br/>last 5 years</b> | <b>in</b> | <b>Organization</b>           |  | <b>Role</b> | <b>Periode</b> |
|---|-----------|-------------------------------|--|-------------|----------------|
|   |           | Ecological Society            |  | Member      | 2008-present   |
|   |           | Population Ecology<br>Society |  | Member      | 2007-present   |
|   |           | Primatology society           |  | Member      | 2008-present   |



**Name** Dr. Hut. Yuliansyah, S.Hut., MP

**Position** Assistant Professor

| Academic Career | Doctoral Degree      | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Faculty of Forestry  | Mulawarman University | 2019 |
| Academic Career | Master Degree        | University            | Year |
|                 | Faculty of Forestry  | Mulawarman University | 2001 |
| Academic Career | Undergraduate degree | University            | Year |
|                 | Faculty of Forestry  | Mulawarman University | 1998 |

| Employment | Position                                   | Employer            | Period    |
|------------|--|---------------------|-----------|
|            | Coordinator of undergraduate study program | Faculty of Forestry | 2021-2024 |

| Research and development projects over the last 5 years | Name of project or research focus  | Funding Sources      | Period |
|---|--|----------------------|--------|
|   | Model Penyediaan Listrik Desa Berbasis Biomassa Hutan Untuk Wilayah Pedalaman dan Perbatasan di Kalimantan   | Ristekdikti MP3EI    | 2018   |
|   | Pembuatan Arang Premium dan Asap Cair Dalam Rangka Pemanfaatan Limbah Kayu Sisa Penebangan Untuk Meningkatkan Taraf Hidup Masyarakat di Kecamatan Muara Badak dan Kota Bangun, Kutai Kartanegara | 170 RISTEKDIKTI PTTG | 2019   |
|   | Alaban Wood Charcoal Business Plan in KPHP Kendilo   | KPHP Kendilo         | 2021   |

|  |   |                              |              |
|--|---|------------------------------|--------------|
|  | Identifikasi dan Analisa Potensi Pengembangan Ekonomi Desa Berbasis Komoditas Unggulan Lokal Kabupaten Paser  | BAPPEDALITBANG<br>Kab. Paser | 2023         |
|  | Kajian Demplot pilot Project Untuk Pengembangan 5 Produk Unggulan Yang Paling Potensial di Kabupaten Paser  | BAPPEDALITBANG<br>Kab. Paser | 2023         |
| <b>Industry collaborations over the last 5 years</b>         | Partners, if applicable   |                              |              |
|  | Amount of financing   |                              |              |
| <b>Patents and proprietary rights</b>                        | Project Titles  | Partners                     | Period       |
|  | -   | -                            | -            |
| <b>Important publications over the last 5 years</b>          | Titles  |                              | Year         |
|  | Buku Saku Manajemen Bank Sampah "Bank Ramli Graha Indah"  |                              | 2021         |
| <b>Activities in specialist bodies over the last 5 years</b> | Selected recent publications from a total of approx (7):  |                              |              |
|  | 1. Response surface methodology to simplify calculation of wood energy potency from tropical short rotation (2018)  |                              |              |
|  | 2. Production of high-calorie energy briquettes from bark waste, plastic and oil (2018)   |                              |              |
|  | 3. Trial production of fuel pellet from Acacia mangium bark waste biomass (2018)  |                              |              |
|  | 4. Searching for potential wood biomass for green energy feedstock: A study in tropical swamp-peat forest of Kutai Kertanegara, Indonesia (2019)  |                              |              |
|  | 5. Diversity of plant species growing during fallow period of shifting cultivation and potential of its biomass for sustainable energy production in Mahakam Ulu, East Kalimantan, Indonesia (2020) |                              |              |
|  | 6. Tropical secondary forest of East Kalimantan, Indonesia: diversity of plant species and its biomass potency for sustainable green energy production (2021)                                       |                              |              |
|  | 7. Fast-growing native tree species to the secondary forest of East Kalimantan, Indonesia: Physicochemical properties of woody materials for bioelectricity feedstocks (2022)                       |                              |              |
| <b>Activities in specialist bodies over the last 5 years</b> | Organization  | Role                         | Periode      |
|  | MAPEKI (Masyarakat Peneliti Kayu Indonesia)   | Member                       | 2000-present |



**Name** Rustam, S.Hut., M.P.  
**Position** Assistant Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree   | University            | Year |
|-----------------|---|-----------------------|------|
|                 | Graduate School of Agricultural and Forestry Sciences | Mulawarman University | 2005 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Faculty of Forestry  | Mulawarman University | 1999 |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 2005-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources    | Period      |
|---|-----------------------------------|--------------------|-------------|
|   | Biocoustic for wildlife diversity | Cornell University | 2022 - 2023 |

|  |                                       |   |             |
|--|---------------------------------------|---|-------------|
|  | Biodiversity on the New Capital (IKN) | OIKN - ADB - Ministry of Environmental and Forestry | 2020 - 2023 |
|--|---------------------------------------|---|-------------|

|  |   |                           |      |
|--|---|---------------------------|------|
|  | Biodiversity monitoring in some concession in East Kalimantan | Pertamina, PT PKT Bontang | 2019 |
|--|---|---------------------------|------|

|  |   |                          |      |
|--|---|--------------------------|------|
|  | Sustainable Development Goals (SDGs) in East Kalimantan | East Kalimantan Province | 2020 |
|--|---|--------------------------|------|

| Industry collaborations over the last 5 years | Partners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|-------------------------|---------------------|----------------|----------|--------|
|   | -                       | -                   | -              | -        | -      |

|  |   |   |   |   |   |
|--|---|---|---|---|---|
|  | - | - | - | - | - |
|--|---|---|---|---|---|

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

|  |   |   |
|--|---|---|
|  | - | - |
|--|---|---|

| Important publications | Selected recent publications from a total of approx (give total number): |
|------------------------|--|
|                        |  |



**over the last 5 years** Giordano AJ, Winstead LM, Imron MA, **Rustam**, Sompud J, Kumaran JV, & Chyi Pei KJ., 2023. Dark Clouds Ahead Anecdotal evidence for an illegal live trade in Sunda Neofelis diardi and Indochinese N. nebulosa Clouded Leopards (Mammalia Carnivora Felidae). 15(6): 23441-23445. (<https://threatenedtaxa.org/index.php/JoTT/article/view/8425>)

<https://www.researchgate.net/profile/Rustam-Rustam>

[https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&hl=en&user=34uzMYkAAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=34uzMYkAAAAJ)

<https://www.scopus.com/authid/detail.uri?authorId=55566094000>

| Activities specialist bodies over the last 5 years | in | Organization                         | Role  | Periode        |
|--|----|--------------------------------------|---|----------------|
|  |    |                                      | Nature Laboratory of Educational and Training Forest, Faculty of Forestry Mulawarman University | Member         |
|  |    | SDGs Center of Mulawarman University | Member  | 2022 - present |



**Name** Ali Suhardiman, S.Hut., M.P., Ph.D

**Position** Assistant Professor

| <b>Academic Career</b>   | Doctoral Degree  | University  | Year           |
|--|--|---|----------------|
|  | Departement of Global Agricultural Science   | University of Tokyo   | 2014           |
| <b>Academic Career</b>   | Master Degree  | University  | Year           |
|  | Forestry Sciences  | University of Mulawarman  | 2009           |
| <b>Academic Career</b>   | Undergraduate degree   | University  | Year           |
|  | Forest Management  | University of Mulawarman  | 2000           |
| <b>Employment</b>  | Position   | Employer  | Period         |
|  | Lecturer   | Faculty of Forestry<br>University of Mulawarman<br>Technical Unit for<br>Laboratory of Kalimantan<br>Bioresources - University<br>of Mulawarman (UPT<br>Laboratorium Sumber<br>Daya Hayati Kalimantan<br>– Universitas<br>Mulawarman) | 2005 – present |
|  | Head   |   | 2023 - present |
| <b>Research and development projects over the last 5 years</b> | Name of project or research focus  | Funding Sources   | Period         |
|  | Collaboration Research on Impact Evaluation of Forest Policies in East Kalimantan using Quasi-experimental Methods | CIFOR - ICRAF   | 2022-2023      |
| <b>Industry collaborations over the last 5 years</b>           | Patners, if applicable   | Partners  | Period         |
|  | Amount of financing  |   |                |
| <b>Patents and proprietary rights</b>                          | Project Titles   | Partners  | Period         |
|  | -  | -   | -              |
| <b>Important publications</b>                                  | Titles   | Year  |                |
|  | -  | -   | -              |
| <b>Important publications</b>                                  | Selected recent publications from a total of approx (15):  |   |                |

**over the last 5 years**

1. Preferensi Habitat Berdasarkan Distribusi Spasial Herpetofauna Di Kawasan Pertambangan Batubara Pt Singlurus Pratama, Kalimantan Timur Jurnal: Agrifor (2018)
2. Pola Sebaran Alami Anggrek (Orchidaceae) Di Cagar Alam Padang Luway Kabupaten Kutai Barat (2018)
3. Examining Spectral Properties Of Landsat 8 OLI For Predicting Above-Ground Carbon Of Labanan Forest, Berau Seminar/Konferensi: International Conference On Tropical Studies And Its Application (2018)
4. Analisis Sebaran *Nepenthes* Spp. Di Hutan Kerangas Cagar Alam Padang Luway Di Kabupaten Kutai Barat (2019)
5. High-Risk Infrastructure Projects Pose Imminent Threats To Forests In Indonesian Borneo (2019)
6. Identifying Logging Road As Source Of Forest Degradation In Tropical Forest Using Sentinel-2 Satellite Image (2019)
7. Seminar/Konferensi: Joint Symposium On Tropical Studies: The 2nd International Symposium On Tropical Forest And Environmental Sciences
8. Pemodelan Hidrologi Dengan Hec-Hms Di Sub-Das Karangmumus Samarinda (2020)
9. Floral Composition Of The Kayan-Sembakung Delta In North Kalimantan (Indonesia) In Different Disturbance Regimes (2020)
10. Pola Sebaran Populasi *Nepenthes reinwardtiana miq.* Di Hutan Kerangas Cagar Alam Teluk Adang Kabupaten Paser (2020)
11. Estimasi Cadangan Karbon Pada Tumbuhan Bawah Dan Serasah Di Khdtk Hpfu Samarinda (2021)
12. Modeling Land Cover Change Using Markov Chain-Cellular Automata In Sorong, West Papua Province. (2021) Seminar/Konferensi: Joint Symposium On Tropical Studies
13. Estimating Above-Ground Carbon Stock Of Loa Haur Conservation Forest In East Kalimantan, Indonesia. (2021). Seminar/Konferensi: Joint Symposium On Tropical Studies
14. Book: Membaca Ibu Kota Negara Seacara Multidisiplin-Jejak Api Di Calon Ibu Kota Negeri ISBN 978-623-5262-35-2 (2022)
15. The Greenness Level Of Samarinda City Using Google Street View Panoramic Photos Seminar/Konferensi: 5th World Planning School Congress - 16th Asian Planning School Association Congress (2022)
16. Inventarisasi, Verifikasi Potensi Dan Permasalahan Kawasan Konservasi Di Lokasi Calon Ibu Kota Negara (IKN), Taman Hutan Raya Bukit Soeharto Provinsi Kalimantan Timur (2022)

**Activities in specialist bodies over the last 5 years**

| Organization  | Role                 | Periode        |
|---|----------------------|----------------|
| Center for Development of Geospatial Infrastructure – University of Mulawarman          | Associate researcher | 2009 – present |
| Working Group of Monitoring, Measurement an Reporting (MMR) of East Kalimantan Province | Expert member        | 2022 – present |



Emission Reduction  
Program

Working Group of  
Safeguards of East  
Kalimantan Province  
Emission Reduction  
Program

Expert member

2022 – present





**Name** Kiswanto, S.Hut., M.P., Ph.D

**Position** Assistant Professor

| Academic Career | Doctoral Degree      | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 |                      | Tokyo University      | 2018 |
| Academic Career | Master Degree        | University            | Year |
|                 | Faculty of Forestry  | Mulawarman University | 2008 |
| Academic Career | Undergraduate degree | University            | Year |
|                 | Faculty of Forestry  | Mulawarman University | 2002 |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 2006-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   |                                   |                 |        |

| Industry collaborations over the last 5 years | Partners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|-------------------------|---------------------|----------------|----------|--------|
|   |                         |                     |                |          |        |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                |        |      |

**Important publications over the last 5 years** Selected recent publications from a total of approx (14):

1. Tumbuhan Kosmetik Tropis: Tradisional vs Ilmiah. Penulis: Kiswanto [Ketua, Editor]. Penerbit: Mulawarman University Press, ISBN: 9786026834423, Tahun Terbit: 2018, Jum. Hal.: 61 (2018)
2. Pengantar Manajemen Hutan. Penulis: Kiswanto [Ketua, Editor]. Penerbit: Mulawarman University Press, ISBN: 9786026834843, Tahun Terbit: 2019, Jum. Hal.: 128 (2019)
3. Buku: Pemanfaatan Tanaman Obat Keluarga (TOGA) untuk Meningkatkan Imunitas Tubuh. Penulis: Kiswanto [Ketua, Penulis], Nur Hermalia [Anggota, Penulis], Swandari Paramita [Anggota, Penulis], Anton Rahmadi [Anggota, Penulis]. Penerbit: Forum Perguruan Tinggi untuk Pengurangan Risiko Bencana (FPT PRB) d.a. Pusat Penelitian Mitigasi Bencana ITB, ISBN: 978-623-90116-8-0, Tahun Terbit: 2020, Jum. Hal.: 420 (3) (2020).



4. Buku: Lansia Sebagai Kelompok Rentan COVID-19 di Kalimantan Timur. Penulis: Swandari Paramita [Ketua, Penulis], Arbain [Anggota, Penulis], Anton Rahmadi [Anggota, Penulis], Kiswanto [Anggota, Penulis]. Penerbit: Forum Perguruan Tinggi untuk Pengurangan Risiko Bencana (FPT PRB) d.a. Pusat Penelitian Mitigasi Bencana ITB, ISBN: 978-623-90116-8-0, Tahun Terbit: 2020, Jum. Hal.: 420 (3) (2020)
5. Buku: Inovasi dalam melaksanakan layanan komunikasi digital dalam beragam tantangan infrastruktur dan latar belakang pemangku kepentingan di Kalimantan Timur, Indonesia. Penulis: Anton Rahmadi [Ketua, Penulis], Uni W. Sagena [Anggota, Penulis], Kiswanto [Anggota, Penulis], Swandari Paramita [Anggota, Penulis], Miftakhur Rohmah [Anggota, Penulis], Rudy Agung Nugroho [Anggota, Penulis], Mustofa Agung Sardjono [Anggota, Penulis]. Penerbit: Mulawarman University Press, ISBN: 9786237480563, Tahun Terbit: 2020, Jum. Hal.: 262 (2020)
6. Buku: Evaluasi Pelaksanaan Kuliah Kerja Nyata Kondisi Luar Biasa Angkatan 46 Universitas Mulawarman di Masa Pandemi COVID-19. Penulis: Anton Rahmadi [Ketua, Penulis], Uni W. Sagena [Anggota, Penulis], Kiswanto [Anggota, Penulis], Swandari Paramita [Anggota, Penulis], Miftakhur Rohmah [Anggota, Penulis], Rudy Agung Nugroho [Anggota, Penulis], Mustofa Agung Sardjono [Anggota, Penulis]. Penerbit: Mulawarman University Press, ISBN: 9786237480570, Tahun Terbit: 2020, Jum. Hal.: 275 (2020)
7. Keragaman Jenis Tumbuhan Berkhasiat Obat Di Kampung Sakaq Lotoq Kabupaten Kutai Barat. Jurnal: Jurnal Penelitian Ekosisten Dipterokarpa. Penulis: Zefanius [Anggota, Penulis], Kiswanto [Ketua, Penulis], Paulus Matius [Anggota, Penulis]. Penerbit: Balai Besar Penelitian dan Pengembangan Ekosistem Hutan Dipterokarpa, Tahun Terbit: 2020, Jum. Hal.: 12. ISSN: 2460-5875/2460-5883, Volume: 6, Edisi: 1 (2020)
8. Menebar Dharma Menyemai Karya. Penulis: Kiswanto [Ketua, Editor], Uni W. Sagena [Anggota, Editor], Dina Lusiana Setyowati [Anggota, Editor], Zainal Arifin [Anggota, Editor]. Penerbit: Mulawarman University Press, ISBN: 9786237480570, Tahun Terbit: 2020, Jum. Hal.: 275 (2020)
9. UNMUL Mengabdikan Menebar Solusi. Penulis: Rudy Agung Nugroho [Ketua, Editor], Kiswanto [Anggota, Editor], Uni W. Sagena [Anggota, Editor], Miftakhur Rohmah [Anggota, Editor]. Penerbit: Mulawarman University Press, ISBN: 9786237480563, Tahun Terbit: 2020, Jum. Hal.: 262 (2020)
10. Buku: Tracking Transitions of Tropical Deforestation in East Kalimantan, Indonesia Using Time-Series Landsat Images from 2000 to 2016. Penulis: Kiswanto [Ketua, Penulis], Martiwi Diah Setiawati [Anggota, Penulis], Iwied Wahyulianto [Anggota, Penulis], Satoshi Tsuyuki [Anggota, Penulis]. Penerbit: Springer BV, ISBN: 9783031064432, Tahun Terbit: 2022, Jum. Hal.: 21 (2022)
11. Buku: Impact of Local REDD+ Intervention on Greenhouse Gas Emissions in East Kalimantan Province, Indonesia, Penulis: Kiswanto [Ketua, Penulis], Martiwi Diah Setiawati [Anggota, Penulis], Satoshi Tsuyuki [Anggota, Penulis] Penerbit: Wiley-Blackwell, ISBN: 9781119793403, Tahun Terbit: 2022, Jum. Hal.: 18 (1) (2022)
12. A national-scale land cover reference dataset from local crowdsourcing initiatives in Indonesia. Jurnal: Scientific Data. Penulis: Hadi [Ketua, Penulis], Ping Yowargana [Anggota, Penulis], Muhammad Thoha Zulkarnain [Anggota, Penulis], Fathir Mohamad [Anggota, Penulis], Bunga K. Goib [Anggota, Penulis], Paul Hultera [Anggota, Penulis], Tobias Sturn [Anggota, Penulis], Mathias Karner [Anggota, Penulis], Martina Dürauer [Anggota, Penulis], Linda See [Anggota, Penulis], Stefen Fritz [Anggota, Penulis], Adis Hendriatna [Anggota, Penulis], Afi Nursafingi [Anggota, Penulis], Dian Nuraini Melati [Anggota, Penulis], F. V. Astrolabe Sian Prasetya [Anggota, Penulis], Ita Carolita [Anggota, Penulis], Kiswanto [Anggota, Penulis], Muhammad Iqbal Firdaus [Anggota, Penulis],



Muhammad Rosidi [Anggota, Penulis], Florian Kraxner [Anggota, Penulis]. Penerbit: Nature, Tahun Terbit: 2022, Jum. Hal.: 15. ISSN: , Volume: 9, Edisi: 2022 (2022)

13. Identifikasi Kerusakan Pohon Shorea leprosula Miq dengan Metode Forest Health Monitoring di KHDTK Sebulu. Jurnal: Jurnal Penelitian Ekosistem Dipterokarpa Penulis: Hartati Apriani [Anggota, Penulis], Kiswanto [Ketua, Penulis], Marjenah [Anggota, Penulis]. Penerbit: Balai Besar Penelitian Ekosistem Hutan Dipterokarpa, Tahun Terbit: 2022, Jum. Hal.: 8. ISSN: ISSN: 2460-5875 ISSN: 2460-5883, Volume: 8, Edisi: 1 (2022)
14. Analisis Kemampuan Hutan Kota sebagai Penyerap Gas CO<sub>2</sub> dan Produksi Gas O<sub>2</sub> di Kota Samarinda. Jurnal: Jurnal Penelitian Ekosistem Dipterokarpa. Penulis: Ardy Apriliadi Yusri [Anggota, Penulis], Marjenah [Anggota, Penulis], Kiswanto [Ketua, Penulis]. Penerbit: Balai Besar Pengujian Standar Instrumen Lingkungan Hidup, Tahun Terbit: 2022, Jum. Hal.: 16. ISSN: -, Volume: 8, Edisi: Desember (2022)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|

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**Name** Dr. Rachmat Budiwijaya Suba, S.Hut., M.Sc.  
**Position** Assistant Professor

| Academic Career | Doctoral Degree      | University                     | Year |
|-----------------|----------------------|--------------------------------|------|
|                 | Conservation Biology | Leiden University, Netherlands | 2017 |

| Academic Career | Master Degree                   | University                     | Year |
|-----------------|---------------------------------|--------------------------------|------|
|                 | Sustainability and Biodiversity | Leiden University, Netherlands | 2007 |

| Employment | Undergraduate degree | University            | Year |
|------------|----------------------|-----------------------|------|
|            | Forestry             | Mulawarman University | 1999 |

| Employment | Position                         | Employer                                   | Period    |
|------------|----------------------------------|--|-----------|
|            | Master study program coordinator | Faculty of Forestry, Mulawarman University | 2021-2024 |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Industry collaborations over the last 5 years | Partners, if applicable | Amount of financing | Period |
|---|-------------------------|---------------------|--------|
|   | -                       | -                   | -      |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   | -              | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

**Important publications over the last 5 years** Selected recent publications from a total of approx (6):

1. Diana, R., Syilvianti, I., Suba, R. B., & Syoim, M. (2023). Stok Karbon Tumbuhan Bawah Dan Iklim Mikro Ruang Terbuka Hijau. *Makila*, 17(2), 82-92.
2. Haryanti, S., Manurung, A. L., Rustam, R., Boer, C., & Suba, R. B. (2023). Daya dukung ekowisata Bontang Mangrove Park di Taman Nasional Kutai, Kalimantan Timur. *ULIN: Jurnal Hutan Tropis*, 7(1), 45-55.
3. Palimbong, E., Ibrahim, I., Suba, R. B., & Kiswanto, K. (2023). Respon pertumbuhan *Acacia crassicarpa* A. Cunn. Ex Benth. terhadap pemberian pupuk cair yang berbeda di persemaian PT Mayawana Persada, Pontianak, Kalimantan Barat. *ULIN: Jurnal Hutan Tropis*, 7(1), 56-63.
4. Muslim, T., & Suba, R. B. (2021). A Preliminary Survey of Siamese Crocodile Habitat Preferences. *Joint Symposium on Tropical Studies (JSTS-19)*, 370-374.



5. Suba, R. B., Beveridge, N. G., Kustiawan, W., de Snoo, G. R., De Iongh, H. H., van Wieren, S. E., ... & Kim, H. K. (2020). Food preference of the Bornean elephant (*Elephas maximus borneensis*) in North Kalimantan Province, Indonesia, and its conservation implications. *Raffles bulletin of zoology/Sumarski institut jastrebarsko-North america*, 68, 791-802.
6. Suba, R. B., Beveridge, N. G., Kustiawan, W., De Snoo, G. R., & De Iongh, H. H. (2018). Foraging ecology and diet of Bornean elephants (*Elephas maximus borneensis*) in the Sebuku forest area, North Kalimantan Province of Indonesia: Do the choices matter?. *Integrative Zoology*, 13(2), 219-223.

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|

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**Name** Yohanes Budi Sulistioadi, S.Hut, M.Sc, M.S, Ph.D

**Position** Assistant Professor

| Academic Career | Doctoral Degree                         | University                                    | Year             |
|-----------------|---|---|------------------|
|                 | Sains Geodesi                           | The Ohio State University                     | 2013             |
| Academic Career | Master Degree                           | University                                    | Year             |
|                 | - Geo-informatics and Earth Observation | - ITC Enschede<br>- The Ohio State University | - 2004<br>- 2012 |
|                 | - Sains Geodesi                         | University                                    |                  |

| Employment | Undergraduate degree | University                                 | Year         |
|------------|----------------------|--|--------------|
|            | Forest management    | Faculty of Forestry, Mulawarman University | 1999         |
| Employment | Position             | Employer                                   | Period       |
|            | Lecturer             | Faculty of Forestry, Mulawarman University | 2006-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   |                                   |                 |        |

| Industry collaborations over the last 5 years | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|------------------------|---------------------|----------------|----------|--------|
|   |                        |                     |                |          |        |

| Patents and proprietary rights | Titles   | Year |
|--------------------------------|--|------|
|                                | Judul: Sarana dan Sistem untuk Pembenihan dan Penggemukan Kepiting Bakau pada Tambak Sistem Silvofishery di Ekosistem Mangrove, Inventor: Ismail Fahmy Almadi, Yuniato Setiawan, Yohanes Budi Sulistioadi, Yazid Ismi Intara, No Paten: IDS000002656 | 2019 |

| Important publications over the last 5 years | Selected recent publications from a total of approx (23):   |
|--|---|
|  | <ol style="list-style-type: none"> <li>1. Klasifikasi Penutupan Lahan pada Citra Satelit Sentinel-2A dengan Metode Tree Algorithm, Penulis: Rakhmat Awaliyan, Yohanes Budi Sulistioadi, Nama Jurnal: Ulin Jurnal Hutan Tropis, Volume Jurnal: 2, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2020, Halaman: 10, eISSN: 2599-1183, pISSN: 2599-1205, Penerbit: Fakultas Kehutanan Universitas Mulawarman (2018)</li> <li>2. Aboveground mangrove forest biomass and carbon stock assessment with terrestrial laser scanner (TLS) using quantitative structure model (QSM) in East Kalimantan, Indonesia, Penulis: GK Beyene, YA Hussin, I van Duren, YB</li> </ol> |



- Sulistioadi, Nama Event: ICOIRS 2019 The 5th International Conferences of Indonesian Society for Remote Sensing, Volume Series: 5, Tahun Terbit Prosiding: 2019, Halaman: 16, ISBN: 978-623-7525-15-8, Penerbit: Penerbit ITENAS. Akses Web Jurnal: <https://icoirsmapi2019.org/proceedings/> (2019)
3. Estimation of aboveground biomass carbon stock and carbon sequestration using UAV images at Kebun Raya Unmul Samarinda (KRUS) education forest, East Kalimantan, Indonesia, Penulis: Md A Hashem, YA Hussin, I van Duren, YB Sulistioadi, Nama Event: ICOIRS 2019 The 5th International Conferences of Indonesian Society for Remote Sensing, Volume Series: 5, Tahun Terbit Prosiding: 2019, Halaman: 16, ISBN: 978-623-7525-15-8, Penerbit: Penerbit ITENAS. Akses Web Jurnal: <https://icoirsmapi2019.org/proceedings/> (2019)
  4. A comparative assessment on the applicability of UAV and TLS for estimating aboveground biomass of mangrove forest in Mahakam Delta, East Kalimantan, Indonesia, Penulis: Md M Hossain, YA Hussin, I van Duren, YB Sulistioadi, Nama Event: ICOIRS 2019 The 5th International Conferences of Indonesian Society for Remote Sensing, Volume Series: 5, Tahun Terbit Prosiding: 2019, Halaman: 16, ISBN: 978-623-7525-15-8, Penerbit: Penerbit ITENAS. Akses Web Jurnal: <https://icoirsmapi2019.org/proceedings/> (2019)
  5. Estimating aboveground biomass/carbon stock and carbon sequestration using UAV (unmanned aerial vehicle) images in the mangrove forests Mahakam Delta, East Kalimantan, Indonesia, Penulis: E Kustiyanto, YA Hussin, I van Duren, YB Sulistioadi, Nama Event: ICOIRS 2019 The 5th International Conferences of Indonesian Society for Remote Sensing, Volume Series: 5, Tahun Terbit Prosiding: 2019, Halaman: 16, ISBN: 978-623-7525-15-8, Penerbit: Penerbit ITENAS. Akses Web Jurnal: <https://icoirsmapi2019.org/proceedings/> (2019)
  6. Estimating and mapping aboveground biomass carbon stock using ALOS-2 PALSAR-2 of the mangrove forests in East Kalimantan, Indonesia, Penulis: MK Nesha, YA Hussin, I van Duren, YB Sulistioadi, Nama Event: ICOIRS 2019 The 5th International Conferences of Indonesian Society for Remote Sensing, Volume Series: 5, Tahun Terbit Prosiding: 2019, Halaman: 16, ISBN: 978-623-7525-15-8, Penerbit: Penerbit ITENAS. Akses Web Jurnal: <https://icoirsmapi2019.org/proceedings/> (2019)
  7. Integrating terrestrial laser scanner and UAV data to estimate AGB carbon stock in KRUS tropical rain forest, East Kalimantan, Indonesia, Penulis: WB Tesfay, YA Hussin, I van Duren, YB Sulistioadi, Nama Event: ICOIRS 2019 The 5th International Conferences of Indonesian Society for Remote Sensing, Volume Series: 5, Tahun Terbit Prosiding: 2019, Halaman: 16, ISBN: 978-623-7525-15-8, Penerbit: Penerbit ITENAS. Akses Web Jurnal: <https://icoirsmapi2019.org/proceedings/> (2019)
  8. Judul Artikel: Floral Composition of the Kayan-Sembakung Delta in North Kalimantan (Indonesia) in Different Disturbance Regimes, Penulis: Rapika Seftianingrum; Raharjo Ari Suwasono; Yohanes Budi Sulistioadi; Ali Suhardiman; Rita Diana, Nama Jurnal: Journal of Coastal Research, Volume Jurnal: 36, Nomor Jurnal: 4, Tahun Terbit Jurnal: 2020, Halaman:109, eISSN: 1551-5036, pISSN: 0749-0208, Penerbit: Coastal Education and Research Foundation (2020)
  9. Standard Operasional Procedure: Penghitungan Akurasi dan Uncertainty, Penulis (6 orang): Anna Tosiani, Arsyi Rahman Mohammad, Gamma Nur M Sularso, Mega Lugina, Nisa Novita, Nurul Silva Lestari, Penyunting (10 orang): Arief Dharmawan, Belinda Arunarwati Margono, Budiharto, Fadjar Pambudi, I Wayan S Dharmawan, Judin Purwanto, Rizaldi Boer, Solichin Manuri, Teddy Rusolono, Yohanes Budi Sulistioadi, ISBN: 978-623-256-450-3, Penerbit: IPB Press, Jumlah Halaman: 56 + 18 hal romawi (2020)
  10. Pemodelan Hidrologi pada DAS Kendilo di Kabupaten Paser, Provinsi Kalimantan Timur, Penulis: Rofifah Nur Adawiyah, Yuniato Setiawan, Yohanes

- Budi Sulistioadi, Nama Jurnal: Jurnal Teknologi Lingkungan, Volume Jurnal: 4, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2021, Halaman: 6, pISSN: 2252-7291, Penerbit: Program Studi S1 Teknik Lingkungan Universitas (2020)
11. Dampak Perubahan Tutupan Lahan terhadap Daya Dukung Ekosistem Pesisir dan Laut Ekoregion Kompleks Dataran Pantai Sanga-sanga, Penulis/Pengedit: Ade Suharso, Gunawan GTP Simanjuntak, Maria CL Hutapea, Yohanes Budi Sulistioadi, Jumlah Halaman: 82 (2020)
  12. Modeling and mapping aboveground biomass of the restored mangroves using ALOS-2 PALSAR-2 in East Kalimantan, Indonesia, Penulis: Mst Karimon Nesha, Yousif Ali Hussin, Louise Marianne van Leeuwen, Yohanes Budi Sulistioadi, Nama Jurnal: International Journal of Applied Earth Observation and Geoinformation, Volume Jurnal: 91, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2020, Halaman: 9, eISSN: 1872-826X, pISSN: 1569-8432, Penerbit: Science Direct (2020)
  13. Penyusunan Rencana Tata Ruang Desa (RTRWDes) Secara Partisipatif di Desa Muara Siran dan Desa Liang Buaya Kecamatan Muara Kaman Kabupaten Kutai Kartanegara, Penulis: Saparwady, Yohanes Budi Sulistioadi, Rujehan, Nama Jurnal: Ulin Jurnal Hutan Tropis, Volume Jurnal: 4, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2020, Halaman: 12, eISSN: 2599-1183, pISSN: 2599-1205, Penerbit: Fakultas Kehutanan Universitas Mulawarman (2020)
  14. Inventarisasi Daya Dukung dan Daya Tampung Lingkungan Hidup dan Tekanan Manusia di Provinsi Kalimantan Barat, Penulis/Pengedit: Ade Suharso, Gunawan GTP Simanjuntak, Agung Priyanto, Arianty Prasetyaty, Maria CL Hutapea, Hergus Kurniawan, Rezha Irfaddien, Yohanes Budi Sulistioadi, Maria De Rosario Laras Shinta Lienardi, Agus Setiawan, Musnanda Satar, Alie Syopyan, Zulqisthy Ghufuran, Jumlah Halaman: 157 (2021)
  15. Altimetry for the future: Building on 25 years of progress, Penulis: Saleh Abdalla, Abdolnabi Abdeh Kolahchi, Michaël Ablain, ..., Yohanes Budi Sulistioadi, ..., Vadim Zinchenko, Victor Zlotnicki, Nama Jurnal: Advances in Space Research, Volume Jurnal: 68, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2021, Halaman: 44, eISSN: 1879-1948, pISSN: 0273-1177, Penerbit: Science Direct (2021)
  16. Analysis of Housing Land Carrying Capacity in the District Palaran, Samarinda City, East Kalimantan, Penulis: Dedy Nugroho, Yuniarto Setiawan, Abdul Kahar, Yohanes Budi Sulistioadi, Nama Jurnal: Jurnal Infrastruktur, Volume Jurnal: 7, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2021, Halaman: 9, eISSN: 2540-9212, pISSN: 2476-9339, Penerbit: Program Studi Teknik Sipil Universitas Pancasila (2021)
  17. The Impact of the Enactment of the Wosi Rendani Forest Zone Status on the Condition of the Rendani River Catchment Area in Manokwari Regency, Penulis: Bernadetta M.G. Sadsoeitoeboen, Marlon Ivanhoe Aipassa, Muhammad Sumaryono, Yohanes Budi Sulistioadi, Nama Series: Advances in Biological Sciences Research, Volume Series: 11, Nama Event: Joint Symposium on Tropical Studies (JSTS-19), Tahun Terbit Prosiding: 2021, Halaman: 6, ISSN: 2468-5747, Penerbit: Atlantis Press (2021)
  18. SWOT Analysis in Determining the Management Strategy of Rendani River Catchment Area in Manokwari District, Penulis: Bernadetta M.G. Sadsoeitoeboen, Marlon Ivanhoe Aipassa, Muhammad Sumaryono, Yohanes Budi Sulistioadi, Nama Series: Advances in Biological Sciences Research, Volume Series: 11, Nama Event: Joint Symposium on Tropical Studies (JSTS-19), Tahun Terbit Prosiding: 2021, Halaman: 6, ISSN: 2468-5747, Penerbit: Atlantis Press. Akses Web Jurnal : <https://www.atlantis-press.com/proceedings/jsts-19/125955330> (2021)
  19. Estimating Above-Ground Carbon Stock of Loa Haur Conservation Forest in East Kalimantan, Indonesia, Penulis: Finalia Retno Vinanthi, Ali Suhardiman, Yohanes Budi Sulistioadi, Nama Series: Advances in Biological Sciences Research,





Volume Series: 11, Nama Event: Joint Symposium on Tropical Studies (JSTS-19), Tahun Terbit Prosiding: 2021, Halaman: 6, ISSN: 2468-5747, Penerbit: Atlantis Press. Akses Web Jurnal : <https://www.atlantis-press.com/proceedings/jsts-19/125955330>" (2021)

20. Jejak Api di Calon Ibu Kota Negeri (Bab 2 dalam Buku: Membaca Ibukota Negara), Penulis/Pengedit: Ali Suhardiman, Ariyanto, Yohanes Budi Sulistioadi, Pengedit: Rosmini, Muhammad Arifin, Yayuk Anggraini, ISBN: 978-623-5262-35-2, Penerbit: Mulawarman University Press, Jumlah Halaman: 166 (2022)
21. Environment Degradation and Rural Livelihoods of Mulawarman Community in Indonesia, Penulis: Tianur, A, Wiloso, PG, Siahania, RR, Sulistioadi, YB, Nama Jurnal: Jurnal Manajemen Hutan Tropika, Volume Jurnal: 28, Nomor Jurnal: 3, Tahun Terbit Jurnal: 2022, Halaman: 13, eISSN: 2089-2063, Print ISSN: 2087-0469, Penerbit: IPB Press (2022)
22. Vegetation Diversity of Hemaq Beniung Customary Forest, West Kutai, East Kalimantan, Penulis: Swandari Paramita, Raharjo Ari Suwasono, Lasmito Lasmito, Iya' Setyasih, Ariyanto Ariyanto, Rachmad Mulyadi, Yohanes Budi Sulistioadi, Nama Jurnal: Jurnal Penelitian Kehutanan Wallacea, Volume Jurnal: 11, Nomor Jurnal: 2, Tahun Terbit Jurnal: 2022, Halaman: 13, ISSN: 2302-299X, E-ISSN: 2407-7860, Penerbit: Fakultas Kehutanan Universitas Hasanuddin (2022)
23. Pemodelan Hidrologi dengan HEC-HMS di Sub-DAS Karangmumus Samarinda, Penulis: Rachmad Mulyadi, Yohanes Budi Sulistioadi, Ali Suhardiman, Nama Jurnal: Ulin Jurnal Hutan Tropis, Volume Jurnal: 4, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2020, Halaman: 10, eISSN: 2599-1183, pISSN: 2599-1205, Penerbit: Fakultas Kehutanan Universitas Mulawarman (2022)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Dr. Ir. Ibrahim, M.P.  
**Position** Assistant Professor

| Academic Career | Doctoral Degree      | University | Year |
|-----------------|----------------------|------------|------|
|                 | Master Degree        | University | Year |
|                 | Undergraduate degree | University | Year |

| Employment | Position | Employer                                      | Period       |
|------------|----------|---|--------------|
|            | Lecturer | Faculty of Forestry,<br>Mulawarman University | 1993-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources     | Period   |
|---|-----------------------------------|---------------------|----------|
|   | Patners, if applicable            | Amount of financing | Partners |

| Industry collaborations over the last 5 years | Project Titles         | Partners            | Period   |
|---|------------------------|---------------------|----------|
|   | Patners, if applicable | Amount of financing | Partners |

| Patents and proprietary rights | Titles                 | Year                |
|--------------------------------|------------------------|---------------------|
|                                | Patners, if applicable | Amount of financing |

| Important publications over the last 5 years | Selected recent publications from a total of approx (give total number): 1   |
|--|--|
|  | 1. Biochar enriched with organic fertilizer improves the survival and growth rate of Anthocephalus cadamba seedlings planted on degraded spodosols. Jurnal: BIODIVERSITAS. Penulis: Syahrudin, Wahjuni Hartati, Triyono Sudarmadji, Nurman Krisdianto, Ibrahim (Anggota [4] ). Penerbit: BIODIVERSITAS, Tahun Terbit: Jum. Hal.: 10. ISSN: 1412-033X, Volume: 20, Edisi: 1" (2022) |

| Activities in specialist bodies over the last 5 years | Organization           | Role                | Periode  |
|---|------------------------|---------------------|----------|
|   | Patners, if applicable | Amount of financing | Partners |



**Name** Muhammad Syafrudin, S.Hut., M.Sc.  
**Position** Assistant Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

|  |               |                         |      |
|--|---------------|-------------------------|------|
|  | Master Degree | University              | Year |
|  |               | Universitas Gadjah Mada | 2010 |

|  |                      |                       |      |
|--|----------------------|-----------------------|------|
|  | Undergraduate degree | University            | Year |
|  |                      | Mulawarman University | 1997 |

| Employment | Position | Employer                                      | Period       |
|------------|----------|---|--------------|
|            | Lecturer | Faculty of Forestry,<br>Mulawarman University | 2005-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   |                                   |                 |        |

| Industry collaborations over the last 5 years | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|------------------------|---------------------|----------------|----------|--------|
|   |                        |                     |                |          |        |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                |        |      |

**Important publications over the last 5 years** Selected recent publications from a total of approx (17):

1. Biomassa dan Cadangan Karbon Tiga Jenis Tumbuhan Herba (*Cyclosorus interruptus*, *Nephrolepis biserrata*, dan *Digitaria didactyla*) pada Periode Penyiangan Berbeda (2021)
2. Kandungan Polutan Daun Pada Pohon-pohon di Arboretum UPT LSHK Universitas Mulawarman (2021)
3. Kandungan Beberapa Polutan dan Kadar Debu pada Daun Ketapang (*Terminalia catappa* L.) di Kota Samarinda Provinsi Kalimantan Timur (2021)
4. Kandungan Polutan pada Daun Angsana (*Pterocarpus indicus* Willd.) di Kota Samarinda (2021)
5. Kandungan Polutan dan Unsur Hara Mikro Pada Daun Pohon di Jalan Poros Samarinda-Bontang Provinsi Kalimantan Timur (2021)



6. The Role of Canopy Structure of Terminalia catappa Linn. on Decreasing Light Penetration and Ambient Temperature as Climate Change Mitigation (2021)
7. Karakteristik Iklim Mikro di Jalan Nasional Yang Melintasi Hutan Pendidikan Fahutan Unmul (HPFU) Samarinda (2021)
8. Karakteristik Iklim Mikro di Hutan Kota Hotel Mesra Samarinda (2021)
9. Kandungan Logam Berat pada Daun-Daun Pohon Peneduh di Sepanjang Jalan Gajah Mada Kota Samarinda (2021)
10. Kandungan Polutan pada Daun-daun Vegetasi Dominan di Taman Cerdas Kota Samarinda (2021)
11. Karakteristik Suhu dan Kelembapan Tanah pada Tutupan Vegetasi dan Kedalaman Tanah Berbeda di Hutan Kota Hotel Mesra Samarinda (2021)
12. Kandungan Polutan pada Daun-Daun Vegetasi Terbanyak di Taman Samarendah Kota Samarinda (2021)
13. Kandungan Polutan pada Daun Pohon-Pohon di Median Jalan H.M. Ardans 2 Kota Samarinda Provinsi Kalimantan Timur (2021)
14. Pengaruh Penggunaan Lahan Terhadap Kualitas Air Sub Das Betapus Samarinda Kalimantan Timur (2021)
15. Kandungan Beberapa Polutan pada Daun Trembesi (Samanea Saman) di Kota Samarinda (2021)
16. Kandungan Polutan Pada Daun-daun Jenis Dominan di Hutan Kota Balaikota (2021)
17. Buku: Model Pemantauan Dinamika Keterpulihan Ekologis Lahan Revegetasi Pasca Tambang Batu Bara (2022)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Heru Herlambang. S.Hut., M.P., Ph.D.

**Position** Assistant Professor

| <b>Academic Career</b> | Doctoral Degree      | University          | Year                     |
|------------------------|----------------------|---------------------|--------------------------|
|                        |                      | Biologi Sains       | Chulalongkorn University |
|                        | Master Degree        | University          | Year                     |
|                        |                      | Faculty of Forestry | Mulawarman University    |
|                        | Undergraduate degree | University          | Year                     |
|                        |                      | Faculty of Forestry | Mulawarman University    |

| <b>Employment</b> | Position                               | Employer                                   | Period                                     |
|-------------------|--|--|--|
|                   |  | Lecturer                                   | Faculty of Forestry, Mulawarman University |
|                   | Chair of the quality assurance cluster | Faculty of Forestry, Mulawarman University | 2021-2024                                  |

| <b>Research and development projects over the last 5 years</b> | Name of project or research focus | Funding Sources | Period |
|--|-----------------------------------|-----------------|--------|
|  |                                   |                 |        |

| <b>Industry collaborations over the last 5 years</b> | Project Titles | Partners | Period |
|--|----------------|----------|--------|
|  |                |          |        |

| <b>Patents and proprietary rights</b> | Titles   |  | Year |
|---------------------------------------|--|--|------|
|                                       |  | Participatory Mapping of Settlement Plans in Long Pahangai II Mahakam Ulu Village. |      |
|                                       | Study of the Implementation of Presidential Instruction 8 /2018 Study of Forest Area Management Policy outside the Locus Forest Area of East Kutai Regency, East Kalimantan Province |  | 2020 |
|                                       | Valuation Study and Baseline Study of the Sungai Wain Balikpapan Protected Forest.   |  | 2021 |
|                                       | Study of the Establishment of BUMD Management of the Maloy Special Economic Zone, East Kutai Regency.  |  | 2023 |



Identification of High Conservation Value Areas (KBKT) 4.1 About Areas or Ecosystems that are Important as Water Providers and Flood Control using Geographic Information Systems in Miau Baru Village, East Kutai Regency

2023

**Important publications over the last 5 years**

Selected recent publications from a total of approx (3):

1. Identification of High Conservation Value Areas (KBKT) 4.1 About Areas or Ecosystems that are Important as Water Providers and Flood Control using Geographic Information Systems in Miau Baru Village, East Kutai Regency. Agrifor, 22(2), 189-196. DOI: <https://doi.org/10.31293/agrifor.v22i2> (2023)
2. Herlambang, H. (2019). Forest Dynamic Game: Pendekatan Permainan Untuk Memahami Pemanfaatan Hutan Yang Terpadu Pada Tingkat Tapak. Paper presented at the Seminar Ilmiah Kehutanan Universitas Mulawarman, Fakultas Kehutanan Universitas Mulawarman, 25 September 2019. ISSN: 0, Volume: 3, Edisi: 1, Jumlah Halaman: 25.
3. Herlambang, H. (2021). Hubungan antara Diameter Tajuk dan Diameter Batang Melalui Foto Udara (Drone) di Arboretum Balai Diklat Lingkungan Hidup dan Kehutanan Samarinda. Paper presented at the Seminar Ilmiah Kehutanan Universitas Mulawarman, Fakultas Kehutanan Universitas Mulawarman, 25 September 2019. ISSN: 978-623-7480-99-0, Volume: 2, Edisi: 9, Jumlah Halaman: 306

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Diah Rakhmah Sari, S. Hut., M.P.

**Position** Assistant Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree       | University            | Year |
|-----------------|---------------------|-----------------------|------|
|                 | Faculty of Forestry | Mulawarman University | 2014 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Faculty of Forestry  | Mulawarman University | 2022 |

| Employment | Position | Employer                                      | Period       |
|------------|----------|---|--------------|
|            | Lecturer | Faculty of Forestry,<br>Mulawarman University | 2003-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | Patners, if applicable            |                 |        |

| Industry collaborations over the last 5 years | Project Titles      | Partners | Period |
|---|---------------------|----------|--------|
|   | Amount of financing |          |        |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                |        |      |

| Important publications over the last 5 years | Selected recent publications from a total of approx (6):  |
|--|---|
|  | <ol style="list-style-type: none"> <li>1. Tingkat Kompetensi tentang keselamatan dan kesehatan Kerja pada pekerja Pemanenan Hutan di PT INHUTANI I Samarata Berau, Penulis: Diah Rakhmah Sari, Muhammad Remi, Dadang Imam Ghozali. Tahun 2021. Nama Seminar: Seminar Nasional Fakultas Kehutanan dan Ilmu Lingkungan Universitas Halu Uleo (2021)</li> <li>2. Tingkat Akurasi dan Efisiensi Pengukuran Diameter Pohon dengan Alat Ukur Sederhana di Hutan Pendidikan Fahutan Unmul, Penulis: Ipung, Diah Rakhmah Sari (Co Author), Dadang Imam Ghozali, Nama Seminar/Konferensi/Simposium: Seminar Ilmiah Kehutanan Mulawarman (SIKMA 9), Penyelenggara Seminar/Konferensi/Simposium: Fakultas Kehutanan Universitas Mulawarman,</li> </ol> |



Waktu Pelaksanaan Seminar/Konferensi/ Simposium:21 September 2021, ISBN: 978-623-7480-99-0 (2021)

3. Produktivitas Penebangan Pohon di Lahan Kelompok Tani Sunggalit Mitra Sawit Dayak AHI Harapan Maju Sejahtera Kabupaten Berau, Penulis: Dadang Imam Ghozali, Ilham, Diah Rakhmah Sari (Co Author), Yosep Ruslim, Nama Seminar/Konferensi/Simposium: Seminar Nasional Pertanian 2021, Penyelenggara Seminar/Konferensi/Simposium: Fakultas Pertanian Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium:30 Juni 2021, ISBN: 978-602-52118-3-6 (2021)
4. Produktivitas dan Analisis Biaya Penebangan Eucalyptus pellita dengan Chainsaw Stihl MS 381 di PT Surya Hutani Jaya, Penulis: Dadang Imam Ghozali, Ilham, Diah Rakhmah Sari, Olvera Yosep Ruslim, Nama Seminar/Konferensi/Simposium: Seminar Nasional Pertanian 2021, Penyelenggara Seminar/Konferensi/Simposium: Fakultas Pertanian Universitas Mulawarman, Waktu Pelaksanaan Seminar/Konferensi/ Simposium:30 Juni 2021, ISBN: 978-602-52118-3-6 (2021)
5. Buku: Limbah Pemanenan Kayu di Hutan Alam, Penulis/Pengedit: Diah Rakhmah Sari/Karyati, ISBN: 978-623-5262-20-8, Penerbit: Mulawarman University Press, Jumlah Halaman: 52 (2022)
6. Potensi Limbah Penebangan di Hutan Alam dan Faktor yang Mempengaruhinya Penulis: Diah Rakhmah Sari, Paulus Nadun Kedang, Nama Jurnal: Jurnal Rimba Lestari, Volume Jurnal: 2, Nomor Jurnal: 1, Tahun Terbit Jurnal: 2022, Halaman: 79-84, ISSN: 2775-7234, E-ISSN: 2808-960X, Penerbit: Program Studi Kehutanan Universitas Mataram (2022)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|





**Name** Mochamad Syoim, S.Hut., M.P.

**Position** Assistant Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree       | University            | Year |
|-----------------|---------------------|-----------------------|------|
|                 | Faculty of Forestry | Mulawarman University | 2012 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Faculty of Forestry  | Mulawarman University |      |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 2005-present |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   |                                   |                 |        |

| Industry collaborations over the last 5 years | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|------------------------|---------------------|----------------|----------|--------|
|   |                        |                     |                |          |        |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                |        |      |

| Important publications over the last 5 years | Selected recent publications from a total of approx (4):   |
|--|--|
|  | <ol style="list-style-type: none"> <li>1. Diana, R., Syilvianti, I., Suba, R. B., &amp; Syoim, M. (2023). Stok Karbon Tumbuhan Bawah Dan Iklim Mikro Ruang Terbuka Hijau. <i>Makila</i>, 17(2), 82-92.</li> <li>2. Buku: Model Pemantauan Dinamika Keterpulihan Ekologis Lahan Revegetasi Pasca Tambang. Penulis: Triyono Sudarmadji; Wahjuni Hartati; Chandradewana Boer; Sutedjo; Sukartiningsih; M. Syfrudin; M. Syoim. P-ISBN: 978-623-5771-32-8; e-ISBN: 978-623-5771-33-5. Penerbit: Tanesa (2022)</li> <li>3. Permatasari, M. W., Diana, R., &amp; Syoim, M. (2021). Estimasi Luas Tutupan Kanopi Pohon <i>Litsea</i> Spp. Di Hutan Pendidikan Fakultas Kehutanan Universitas Mulawarman. <i>Prosiding Semnas FHIL UHO dan KOMHINDO VI</i> Kendari 29, 30.</li> </ol> |



4. Syoim, M. (2020). Kehadiran Jenis Amfibi Ordo Anura Pada Areal Reklamasi Pasca Tambang PT. Kelian Equatorial Mining Kabupaten Kutai Barat. ULIN: Jurnal Hutan Tropis, 4(1), 1-19.

| Activities<br>specialist<br>bodies over the<br>last 5 years | in | Organization                                 | Role   | Periode      |
|---|----|--|--------|--------------|
|   |    | Borneo Ecology and Biodiversity Conservation | Member | 2000-present |
|   |    | Environmental Education Network (JPL) Kaltim | Member | 2004-present |



**Name** Alber Laston Manurung, S.Hut, M.For.

**Position** Assistant Professor

**Academic Career**

| Doctoral Degree      | University                                    | Year |
|----------------------|---|------|
| Master Degree        | University                                    | Year |
| Undergraduate degree | University                                    | Year |
|                      | Faculty of Forestry,<br>Mulawarman University | 1993 |

**Employment**

| Position | Employer                                      | Period       |
|----------|---|--------------|
| Lecturer | Faculty of Forestry,<br>Mulawarman University | 1994-present |

**Research and development projects over the last 5 years**

| Name of project or research focus | Funding Sources | Period |
|-----------------------------------|-----------------|--------|
| Partners, if applicable           |                 |        |
| Amount of financing               |                 |        |

**Industry collaborations over the last 5 years**

| Project Titles         | Partners | Period |
|------------------------|----------|--------|
| Patners, if applicable |          |        |
| Amount of financing    |          |        |

**Patents and proprietary rights**

| Titles | Year |
|--------|------|
|--------|------|

**Important publications over the last 5 years**

| Selected recent publications from a total of approx (give total number): 2   |  |
|--|--|
| 1. Studi Tentang Beberapa Jenis Burung yang Memanfaatkan Pohon Beringin (Ficus benjamin L) (2021)                    |  |
| 2. Kehadiran Jenis Reptil Subordo Sauria (Kadal) dan Deskripsi Habitat Mikronya pada Bentang Alam Wehea Kelay (2021) |  |

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



|  |  |   |              |
|--|--|---|--------------|
| <b>Name</b>  | Dr. Emi Purwanti, S.Hut, M.Si  |   |              |
| <b>Position</b>  | Assistant Professor  |   |              |
| <b>Academic Career</b>   | Doctoral Degree  | University                                    | Year         |
|  | Faculty of Social and Political Sciences   | Universitas Indonesia                         | 2019         |
|  | Master Degree  | University                                    | Year         |
| <b>Employment</b>  | School Of Environmental Science  | Universitas Indonesia                         | 2010         |
|  | Undergraduate degree   | University                                    | Year         |
|  | Forest Management  | Universitas Mulawarman                        | 2001         |
| <b>Research and development projects over the last 5 years</b> | Position   | Employer                                      | Period       |
|  | Assistant Professor  | Faculty of Forestry<br>Universitas Mulawarman | 2005-present |
| <b>Industry collaborations over the last 5 years</b>           | Name of project or research focus  | Funding Sources                               | Period       |
|  | Partners, if applicable  |   |              |
| <b>Patents and proprietary rights</b>                          | Amount of financing  |   |              |
|  | Project Titles   | Partners                                      | Period       |
| <b>Important publications over the last 5 years</b>            | Titles   |   |              |
|  | Year   |   |              |
| <b>Important publications over the last 5 years</b>            | Selected recent publications from a total of approx (4):   |   |              |
|  | 1. Oktaviani, E., Rayadin, Y., Boer, C., Matius, P., Purwanti, E., & Suba, R. B. (2023). Persepsi Masyarakat terhadap Adanya Penangkaran Rusa untuk Mengetahui Potensi Pemanfaatan Daging Rusa di Penangkaran Rusa Wana Wisata, Buana Jaya, Tanjung Sari, Bogor. Jurnal Ilmiah Universitas Batanghari Jambi, 23(1), 965-970. |   |              |
|  | 2. Yana, D. Y., Muslimin, M., Karyati, K., Sarminah, S., & Purwanti, E. (2022). MaGoGreen: Teknologi Bio-Konversi Sampah Organik Sebagai Pakan Ternak  |   |              |



Alternatif Memanfaatkan Larva Black Soldier Fly. ABDIKU: Jurnal Pengabdian Masyarakat Universitas Mulawarman, 1(1), 6-10.

3. Purwanti, E., Mulyadi, R., Ramadhanti, D. P. D., Setyono, D., Widiati, K. Y., ... (2022). Keragaman jenis pohon dan peresapan air di lahan terbiarkan setelah kebun tradisional. ULIN: Jurnal Hutan Tropis, 6(2), 126-134.
4. Karyati, K., Devi, Z., Sarminah, S., Purwanti, E., Nuranda, N. T., Widiati, K. Y., ... (2022). Sosialisasi Pemanfaatan Lahan Terbiarkan dengan Penanaman Tanaman Lokal Kalimantan Sebagai Upaya Konservasi Tanah dan Air. ABDIKU: Jurnal Pengabdian Masyarakat Universitas Mulawarman, 1(2), 1-5.
5. Oktaviani, E., Rayadin, Y., Boer, C., Matius, P., Purwanti, E., & Suba, R. B. (2023). Persepsi Masyarakat terhadap Adanya Penangkaran Rusa untuk Mengetahui Potensi Pemanfaatan Daging Rusa di Penangkaran Rusa Wana Wisata, Buana Jaya, Tanjung Sari, Bogor. Jurnal Ilmiah Universitas Batanghari Jambi, 23(1), 965-970.

**Activities in  
specialist  
bodies over the  
last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Ariyanto, S.Hut., M.Sc

**Position** Assistant Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree                              | University             | Year |
|-----------------|--|------------------------|------|
|                 | Faculty of Geographic Undergraduate degree | Gadjah Mada University | 2006 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Faculty of Forestry  | Mulawarman University | 1995 |

| Employment | Position | Employer  | Period         |
|------------|----------|---|----------------|
|            | Lecturer | Faculty of Forestry University of Mulawarman            | 2005 – present |
|            | Head     | Forest Education Forestry Faculty Mulawarman University | 2016 – 2019    |

| Employment | Position | Employer                                     | Period         |
|------------|----------|--|----------------|
|            | Lecturer | Faculty of Forestry University of Mulawarman | 2005 – present |

| Employment | Position | Employer  | Period      |
|------------|----------|---|-------------|
|            | Head     | Forest Education Forestry Faculty Mulawarman University | 2016 – 2019 |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources  | Period |
|---|---|--|--------|
|   | Baseline Study for Belantara Foundation Grant Area  | Belantara Foundation                                       | 2018   |
|   | Mapping the Level of Mangroves Damage at Mahakam Delta  | regional research and development agency Kutai Kartanegara | 2018   |
|   | Biodiversity Assessment and Non-Timber Forest Product Utilization in Mahakam Delta  | PT Total E&P Indonesia                                     | 2018   |
|   | Inventory of the Mangkaliat Coastal Essential Ecosystem Area  | Provincial Forestry Service of East Kalimantan             | 2023   |
|   | The Study of Interconnection Between Forested Areas In APL And Its Connectivity with The Protected Areas in East Kutai District | KALFOR-UNDP  | 2020   |

| Research and development projects over the last 5 years | Name of project or research focus                  | Funding Sources      | Period |
|---|--|----------------------|--------|
|   | Baseline Study for Belantara Foundation Grant Area | Belantara Foundation | 2018   |

| Research and development projects over the last 5 years | Name of project or research focus                      | Funding Sources  | Period |
|---|--|--|--------|
|   | Mapping the Level of Mangroves Damage at Mahakam Delta | regional research and development agency Kutai Kartanegara | 2018   |

| Research and development projects over the last 5 years | Name of project or research focus  | Funding Sources        | Period |
|---|--|------------------------|--------|
|   | Biodiversity Assessment and Non-Timber Forest Product Utilization in Mahakam Delta | PT Total E&P Indonesia | 2018   |

| Research and development projects over the last 5 years | Name of project or research focus                            | Funding Sources                                | Period |
|---|--|--|--------|
|   | Inventory of the Mangkaliat Coastal Essential Ecosystem Area | Provincial Forestry Service of East Kalimantan | 2023   |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources | Period |
|---|---|-----------------|--------|
|   | The Study of Interconnection Between Forested Areas In APL And Its Connectivity with The Protected Areas in East Kutai District | KALFOR-UNDP     | 2020   |

|  |  |  |                |
|--|--|--|----------------|
|  | Disaster Risk study in Mahakam Ulu Regency 2019 – 2024   | Mahakam Ulu Regency Environmental Services                     | 2019           |
|  | Strategic Environmental Assessment document of the West Kutai Regency RPJMD  | West Kutai Regency Environmental Services                      | 2022           |
|  | Inventory and Verification of Problems in Tahura Bukit Soeharto  | East Kalimantan Province Natural Resources Conservation Center | 2021           |
|  | Environmental Protection and Management Plan (RPPLH) of Mahakam Ulu Regency  | Mahakam Ulu Regency Environmental Services                     | 2019           |
| <b>Industry collaborations over the last 5 years</b>         | Patners, if applicable<br>Amount of financing  |  |                |
|  | Project Titles   | Partners   | Period         |
|  | Periodic Comprehensive Forest Inventory  | PT. Gunung gajah Abadi   | 2019           |
|  | Periodic Comprehensive Forest Inventory  | PT. Daisy Timber   | 2021           |
|  | Identification of High Conservation Value Forest   | PT Inhutani 1 Unit Batu Ampar – Mentawir                       | 2019           |
|  | Periodic Comprehensive Forest Inventory  | PT. Utama Damai Indah Timber                                   | 2020           |
|  | Periodic Comprehensive Forest Inventory  | PT. Karya Lestari  | 2019           |
| <b>Patents and proprietary rights</b>                        | Titles   |  | Year           |
|  | -  |  | -              |
| <b>Important publications over the last 5 years</b>          | Selected recent publications from a total of approx (5):   |  |                |
|  | 1. Analisis Waktu Kerja Pengukuran Tinggi Pohon Menggunakan Klinometer Dan Hagameter (2018)  |  |                |
|  | 2. Vegetation diversity of Hemaq Beniung Customary Forest, West Kutai, East Kalimantan (2021)  |  |                |
|  | 3. Suitability Of Some Species For Intercropped With Tropical Almond (Terminalia Catappa Linn.) On Some Land System In East Kalimantan And Its Prospects As Plantation Forest (2018) |  |                |
|  | 4. Book: Membaca Ibu Kota Negara secara Multidisiplin-Jejak Api di Calon Ibu Kota Negeri ISBN 978-623-5262-35-2 (2022)   |  |                |
|  | 5. The potential of woody waste biomass from the logging activity at the natural forest of Berau District, East Kalimantan (2018)  |  |                |
| <b>Activities in specialist bodies over the last 5 years</b> | Organization   | Role   | Periode        |
|  | Center for Development of Geospatial Infrastructure – University of Mulawarman   | Associate researcher   | 2009 – present |
|  | Ministry of Environment and Forestry   | Expert member  | 2021-2022      |



**Name** Agus Nur Fahmi, S.Hut., M.P.

**Position** Assistant Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree       | University            | Year |
|-----------------|---------------------|-----------------------|------|
|                 | Faculty of Forestry | Mulawarman University | 2007 |

| Academic Career | Undergraduate degree | University            | Year |
|-----------------|----------------------|-----------------------|------|
|                 | Faculty of Forestry  | Mulawarman University | 2001 |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 2005-present |

| Research and development projects over the last 5 years | Name of project or research focus                      | Funding Sources | Period |
|---|--|-----------------|--------|
|   | Naskah Akademik Peredaran Hasil Hutan Kalimantan Timur | Pemprov Kaltim  | 2019   |

|  |   |  |      |
|--|---|--|------|
|  | Kajian Implementasi Instruksi Presiden No. 8 Tahun 2018 | Kementerian Lingkungan Hidup dan Kehutanan | 2020 |
|--|---|--|------|

| Industry collaborations over the last 5 years | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|---|------------------------|---------------------|----------------|----------|--------|
|   | -                      | -                   | -              | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Important publications over the last 5 years | Selected recent publications from a total of approx (12):   |
|--|---|
|  | 1. Rindayatno, Finsya Annisa Cahya Shafiera, Baktiriani Banda Padang, Tersisius Tigang, & Agus Nur Fahmi. (2023). Characteristics of Charcoal Briquettes, Activated Charcoal, and Liquid Smoke from Rice Husk ( <i>Oriza sativa</i> L.). <i>Formosa Journal of Sustainable Research</i> , 2(1), 97–112. |

|  |   |
|--|---|
|  | 2. Rindayatno, Andreas, & Agus Nur Fahmi. (2023). Particle Cement Board Quality From Corn Cob ( <i>Zea Mays</i> L.) Based On Differences In Particle Size. <i>International Journal of Scientific Multidisciplinary Research</i> , 1(7), 893–902. |
|--|---|





3. Rindayatno, Finsya Annisa Cahya Shafiera, Baktiriani Banda Padang, Apriyanti Nugrahaningrum, & Agus Nur Fahmi. (2022). Characteristics of Charcoal Briquettes, Activated Charcoal, and Liquid Smoke from Palm Shells (*Elais Guineensis* Jacq). *Formosa Journal of Sustainable Research*, 1(7), 1199–1212.
4. Rindayatno, Fathur Rohman, & Agus Nur Fahmi. (2022). Analisis Kualitas Briket Arang Berdasarkan Komposisi Serbuk Arang Pelepah Kelapa Sawit (*Elais guineensis* Jacq) dengan Serbuk Arang Pelepah Aren (*Arenga pinnata* Merr). *Jurnal Multidisiplin Madani*, 2(6), 2879–2894.
5. Rindayatno, Fikri, A., & Fahmi, A. N. (2022). Analisis Komposisi Serbuk Arang Karamunting (*Melastoma Malabathricum*) Dengan Serbuk Arang Sirih Hutan (*Piper Aduncum*) Terhadap Kualitas Briket Arang. *Jurnal Multidisiplin Madani*, 1(3), 287–300.
6. Rendemen dan Kualitas Asap Cair Dari Limbah Cangkang Sawit (*Elaeis guineensis* Jack), Batang singkong (*Manihot esculinta* L), Batang Jagung (*Zea mays* L). *Prosiding SIKMA 9. Vol. 2* ISBN : 978-623-7480-99-0. Mulawarman University PRESS. (2022)
7. Fikri, A., & Fahmi, A. N. (2021). Analisis Komposisi Serbuk Arang Karamunting (*Melastoma Malabathricum*) Dengan Serbuk Arang Sirih Hutan (*Piper Aduncum*) Terhadap Kualitas Briket Arang. *Jurnal Multidisiplin Madani*, 1(3), 287-300.
8. Variasi Waktu Tekanan Mesin Press Terhadap Kualitas Briket Arang dari Limbah Kayu Gelam (*Melaleuca* spp) (2021)
9. Kualitas Papan Semen Partikel dari Serat Sabut Kelapa (*Cocos nucifera* L.) dengan Variasi Ukuran Panjang Serat) (2021)
10. Analisis Komposisi Serbuk Arang Karamunting (*Melastoma Malabathricum*) Dengan Serbuk Arang Sirih Hutan (*Piper Aduncum*) Terhadap Kualitas Briket Arang (2021)
11. Karakteristik Briket Arang dari Cangkang Kelapa Sawit (*Elaeis guineensis* J) dan Sekam Padi (*Oryza sativa* L.) (2018)

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
| -            | -    | -       |





|   |   |                |
|---|---|----------------|
| Social Mapping of Candidate Locations for Accelerated Mangrove Rehabilitation in East Kalimantan Province   | Mangrove and Peat Restoration Agency  | 2022           |
| Economic and Social Study of Tourism Pela Village, Kota Bangun District, Kutai Kartanegara Regency, East Kalimantan Province During the Covid-19 Pandemic | Faculty of Forestry, Mulawarman University  | 2022           |
| Strategic Environmental Study Revision of Detailed Spatial Planning Plans and Zoning Regulations for the City of Bontang for 2016-2036                    | Bontang City Environmental Service  | 2022           |
| Strategic Environmental Study Detailed Spatial Planning Plan (KLHS-RDTR) for East Tanjung Redeb Urban Area 2022-2042                                      | Berau Regency Environmental Service   | 2022           |
| Preparation of Review of Waste Management System Master Plan Documents in Kutai Kartanegara Regency   | Kutai Kartanegara Regency Environment and Forestry Service                                  | 2022           |
| Cultivation Maggot as an Effort to Implement a Green Circular Economy in the East Kalimantan Region   | Kedaireka Matching Fund Program ((Ministry of Education, Culture, and Research Technology)) | 2022           |
| Collaborative Research on Impact Evaluation of Forest Policies in East Kalimantan using Quasi-Experimental Methods  | CIFOR   | 2022 – current |
| Study of the Establishment of the Maloy Batuta Trans Kalimantan Regional Owned Enterprise (BUMD MBTK)   | East Kalimantan Provincial Government   | 2023           |
| Evaluation of Area Suitability Status based on Regional Spatial Planning (RTRW) on Real Post-Mining Land Conditions                                       | Regional Research and Development Agency<br>East Kalimantan Provincial Government           | 2023           |

in the Indonesian Capital Area

North Penajam Paser Regency Regional Poverty Alleviation Plan (RKPD) 2024-2028

District Planning, Research and Development Agency

Penajam Paser Utara Regency

2023

Community Perspective on Environmentally Friendly Pond Management in Muara Badak Ulu Village as a Supporter of Food Security in the New Nation's Capital

Faculty of Forestry, Universitas Mulawarman

2023

Economic Valuation of Tanjung Laut Indah Ecotourism Using the Travel Cost Method

Faculty of Forestry, Universitas Mulawarman

2023

Study on Key Principles of Good Governance in Forest Management Units (KPH) in East Kalimantan Post Job Creation Law (UUCK)

Faculty of Forestry, Universitas Mulawarman

2023

Partners, if applicable  
Amount of financing  
Project Titles

**Industry collaborations over the last 5 years**

Partners

Period

Stakeholder Mapping Study, Review and Assessment of Community Development Program Needs (Social Mapping) PT. Kideco Agung Jaya

PT. Kideco Agung Jaya

2021

Coal Mining Impact Analysis Study PT. Kideco Jaya Agung towards Stakeholders and Surrounding Areas (Triple Bottom Line Perspective)

PT. Kideco Agung Jaya

2021

Implementation of the Environmental Management Plan (RKL) and Environmental Monitoring Plan (RPL) of PT Kaltim Prima Coal

PT. Kaltim Prima Coal

2022

Study of the Impact and Economic Value of Environmental Damage Due to Mining carried out

PT. Mitra Bara Jaya

2022

by PT PMJ against PT  
MBJ

Social Impact Assessment  
of Industrial Plantation  
Forest Companies on  
Communities Around the  
Forest PT. Inhutani I Long Nah 2023

Social Impact Assessment  
of Industrial Plantation  
Forest Companies on  
Communities Around the  
Forest PT. Permata Borneo Abadi 2023

Social Impact Assessment  
of Industrial Plantation  
Forest Companies on  
Communities Around the  
Forest PT. Santan Borneo Abadi 2023

**Patents and  
proprietary  
rights**

| Titles  | Year |
|---|------|
| Proprietary rights “Buku Saku Inilah Kisah Lekeq Kidau”           | 2023 |
| Proprietary rights “Brosur Kebudayaan Di Desa Budaya Lekaq Kidau” | 2023 |
| Proprietary rights “Video Profil Desa Sumber Sari”                | 2023 |
| Proprietary rights “Video Profil Desa Beloro”                     | 2023 |
| Proprietary rights “Video Profil Desa Lekaq Kidau”                | 2023 |
| Proprietary rights “Video Profil Desa Sanggulan”                  | 2023 |
| Proprietary rights “Video Profil Desa Selerong”                   | 2023 |

**Important  
publications  
over the last 5  
years**

- Selected recent publications from a total of approx (22):
1. Analysis of land cover change due to mining and its potential economic loss: A case study in the Bukit Soeharto Forest Park, East Kalimantan Indonesia, Nama Penulis: Sunarto, Marlon I. Aipassa, Rujehan, Ali Suhardiman, Rochadi Kristiningrum, Yosep Ruslim, Wulan IR Sari, Nama Jurnal: Biodiversitas, Volume 24, Nomor 2, tahun terbit 2023, Halaman: 1206-1214, ISSN: 1412-033X, E-ISSN: 2085-4722, Penerbit: Biodiversitas (2023)
  2. Participation of community in mangrove conservation in the coastal area of the Valentine Strait, West Seram, Maluku, Indonesia (Biodiversitas Journal, 2023).
  3. Strategi Pengembangan Ekowisata Hutan Mangrove PT Inhutani I Unit Batu Ampar – Mentawir Kelurahan Mentawir Kecamatan Sepaku Kabupaten Penajam Paser Utara. (Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, 2023).
  4. Book: Prospek Pengembangan Infrastruktur Hijau Sebagai Bagian Integral Pembangunan Hutan Kota, Penulis: Marlon Ivanhoe Aipassa, Sukartiningsih, Ibrahim, Yosep Ruslim, Rochadi Kristiningrum, ISBN: 978-623-5262-54-3, Penerbit: Mulawarman University Press, Jumlah Halaman: 99 (2023)
  5. Analisis pengelolaan Bontang Mangrove Park sebagai objek ekowisata Taman Nasional Kutai (Jurnal Ulin, September 2023)
  6. Evaluasi Status Mutu Air Sungai Samboja di Kecamatan Samboja Barat Kabupaten Kutai Kartanegara. (Jurnal Pertanian Terpadu, 2023).



7. Strategic design for sustainable tourism management on Pangempang Beach, Penulis: Marlon I. Aipassa, Sam Johan Emil, Erwinatono, Rochadi Kristiningrum, Yosep Ruslim, Nama Seminar/Konferensi/Simposium: ICTAF, Penyelenggara Seminar/Konferensi/Simposium: Fakultas Pertanian Unmul, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: 2021, Penerbit: Atlantis Press (2022)
8. Pelatihan Perhitungan Harga Pokok Penjualan Pembudidayaan Maggot Black Soldier Fly (BSF) pada CV. Ahasa Larva Group, Penulis: Rochadi Kristiningrum, Wulan IR Sari, Naufal Akhdan Amru Dhaffa, Nurul Halimah, Debora Imamat Simanjuntak, Jurnal ABDIKU, Volume 1 Nomor 1 Halaman 30-35, Jurnal Pengabdian Masyarakat Universitas Mulawarman (2022)
9. Locating the unique biodiversity of Balikpapan Bay as an ecotourism attraction in East Kalimantan Indonesia, Penulis: Karnila Willard, Marlon I Aipassa, Mustofa Agung Sardjono, Rujehan, Yosep Ruslim, Rochadi Kristiningrum, Nama Jurnal: Biodiversitas, Volume 23, Nomor 5, tahun terbit 2022, Halaman: 2342-2357, ISSN: 1412-033X, E-ISSN: 2085-4722, Penerbit: Biodiversitas (2022)
10. Book Chapter: Potensi Ekonomi dan Kolaborasi Masyarakat untuk Pembudidayaan Gaharu dalam Pembangunan Hutan Kemasyarakatan di Kabupaten Kutai Kartanegara, Volume 2 (Kontribusi Pemikiran Universitas Mulawarman di Usia 60 Tahun), ISBN: 978-623-5262-50-5 (Jilid 2), Penulis: Rochadi Kristiningrum, C. Annisa (2022)
11. Potensi Ekonomi dan Konservasi Ekosistem Mangrove bagi Masyarakat Pesisir di Desa Pondong Kabupaten Paser, Penulis; Rochadi Kristiningrum, Wulan IR Sari, Nurul Halimah, Tirtha Ayu Paramitha, Jurnal Hutan Tropis Volume 6 Nomor 2, Halaman 165-171, eSSN : 2599 1183, Index Sinta 3 (2022)
12. Estimation of Above Ground Biomass and carbon stocks of *Tectona grandis* and *Gmelina arborea* stands in Gorontalo Province, Indonesia (Biodiversitas Journal, 2021).
13. Analisis Titik Impas Pembuatan Sirup Pedada (*Sonneratia caseolaris* L) Pojok Sadar Wisata Tiram Tambun Di Kelurahan Mentawir. (Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, 2021).
14. Analisis Potensi Kayu Bulat Shorea Leprosula di Kabupaten Kutai Kartanegara Provinsi Kalimantan Timur (Jurnal Agrifor: Jurnal Ilmu Pertanian dan Kehutanan, 2021)
15. Fauna diversity, production potential and total economic value of mangrove ecosystems in Mentawir Village, East Kalimantan, Indonesia (Jurnal Biodiversitas, 2020)
16. Minat konsumen dan strategi pengembangan ekowisata hutan mangrove di Kelurahan Mentawir Kabupaten Penajam Paser Utara (Jurnal Hutan Tropis, 2020)
17. Book Chapter Peran Masyarakat terhadap Konservasi Ekosistem Mangrove di Kelurahan Mentawir Kecamatan Sepaku, Kabupaten Penajam Paser Utara, Menebar Dharma Menyemai Karya, Catatan KKN Tematik Pandemic Covid, 2020)
18. Economic valuation from direct use of mangrove forest restoration in Balikpapan Bay, East Kalimantan, Indonesia (F1000Research, 2019)
19. Species diversity, stand productivity, aboveground biomass, and economic value of mangrove ecosystem in Mentawir Village, East Kalimantan, Indonesia (Jurnal Biodiversitas, 2019).



20. Financial analysis of dipterocarp log production and rubber production in the forest and land rehabilitation program of Sekolaq Muliaq, West Kutai District, Indonesia (Biodiversitas Journal, 2018).
21. Prospect and policy of palm oil mill effluents for future electricity in east kalimantan (utilization of pome as renewable energy) (IOP, 2018)
22. Community forest management: Comparison of simulated production and financial returns from agarwood, tengkawang and rubber trees in West Kutai, Indonesia (Biodiversitas Journal, 2018).

**Activities in specialist bodies over the last 5 years**

| Organization   | Role   | Periode      |
|--|--|--------------|
| Silvicultural Society                                      | Member   | 2018-Present |
| Ministry of Environment and Forestry                       | Coastal Area Management Experts in the framework of the Balikpapan Bay Mangrove Park Establishment Plan                                  | 2022         |
| Bontang City Environmental Service                         | Social Sector Experts in the Context of Establishing KLHS RDTR Bontang City  | 2022         |
| Kutai Kartanegara Regency Environment and Forestry Service | Social Sector Experts in the Context of Preparing a Waste Master Plan in Kutai Kartanegara Regency                                       | 2022         |
| Berau Regency Environmental Service                        | Social Sector Experts in the Context of Establishing KLHS RDTR Berau Regency   | 2022-2023    |
| East Kalimantan Provincial Government                      | Expert Staff in the Field of Economic Valuation in the Context of Establishing a Maloy Batuta Trans Kalimantan Regional Owned Enterprise | 2023         |



**Name** Rachmad Mulyadi, S.Hut., M.Hut.

**Position** Assistant Professor

| Academic Career | Doctoral Degree   | University  | Year            |        |
|-----------------|---|---|-----------------|--------|
|                 | -   | -   | -               |        |
|                 | Master Degree   | University  | Year            |        |
|                 |   |   |                 |        |
|                 | Undergraduate degree                                    | University  | Year            |        |
|                 | Faculty of Forestry                                     | Mulawarman University   | 2005            |        |
|                 | Employment  | Position  | Employer        | Period |
|                 | Lecturer  | Faculty of Forestry,<br>Mulawarman University   | 2005-present    |        |
|                 | Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources | Period |
|                 |   |   |                 |        |
|                 |   | Partners, if applicable   |                 |        |
|                 |   | Amount of financing   |                 |        |
|                 | Industry collaborations over the last 5 years           | Project Titles  | Partners        | Period |
|                 |   |   |                 |        |
|                 | Patents and proprietary rights                          | Titles  | Year            |        |
|                 |   |   |                 |        |
|                 | Important publications over the last 5 years            | Selected recent publications from a total of approx (6):  |                 |        |
|                 |   | <ol style="list-style-type: none"> <li>1. Paramita, S., Suwasono, R. A., Mulyadi, R., &amp; Sulistioadi, Y. B. (2022). Vegetation diversity of Hemaq Beniung Customary Forest, West Kutai, East Kalimantan. <i>Jurnal Penelitian Kehutanan Wallacea</i>, 11(2), 111-123.</li> <li>2. Karyati, K., Widiati, K. Y., Mulyadi, R., Karmini, K., Windarti'Adani, R., &amp; Rivanti, S. (2022). Pembuatan Kompos Sebagai Upaya Pemanfaatan Sampah Rumah Tangga. <i>ABDIKU: Jurnal Pengabdian Masyarakat Universitas Mulawarman</i>, 1(1), 1-5.</li> <li>3. Purwanti, E., Mulyadi, R., Ramadhanti, D. P. D., Setyono, D., Widiati, K. Y., ... (2022). Keragaman jenis pohon dan peresapan air di lahan terbiarkan setelah kebun tradisional. <i>ULIN: Jurnal Hutan Tropis</i>, 6(2), 126-134.</li> </ol> |                 |        |





4. Karyati, K., Widiati, K. Y., Karmini, K., & Mulyadi, R. (2021). The allometric relationships for estimating above-ground biomass and carbon stock in an abandoned traditional garden in East Kalimantan, Indonesia. *Biodiversitas Journal of Biological Diversity*, 22(2).
5. Mulyadi, R., Sulistioadi, Y. B., & Suhardiman, A. (2020). Pemodelan Hidrologi Dengan Hec-Hms Di Sub-Das Karangmumus Samarinda. *ULIN: Jurnal Hutan Tropis*, 4(1), 20-29.
6. Karyati, K., Widiati, K. Y., Karmini, K., & Mulyadi, R. (2019). Development of allometric relationships for estimate above ground biomass of trees in the tropical abandoned land. *Biodiversitas Journal of Biological Diversity*, 20(12).

**Activities in specialist bodies over the last 5 years**

| Organization | Role | Periode |
|--------------|------|---------|
|--------------|------|---------|



**Name** Marya Tiara Hapsari, S.Hut., M.Sc.

**Position** Assistant Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree             | University                                  | Year |
|-----------------|---------------------------|---|------|
|                 | Master of Science (M.Sc.) | Faculty of Forestry, Gadjah Mada University | 2018 |

| Academic Career | Undergraduate degree                         | University                                  | Year |
|-----------------|--|---|------|
|                 | Bachelor degree of Forestry Science (S.Hut.) | Faculty of Forestry, Gadjah Mada University | 2013 |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 2022-present |

| Employment | Position            | Employer              | Period    |
|------------|---------------------|-----------------------|-----------|
|            | Fulltime consultant | PT. Graha Inforesindo | 2019-2021 |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources (Million IDR) | Period |
|---|---|-------------------------------|--------|
|   | Keanekaragaman Jenis Pohon Penyusun Hutan Kerangas di Muara Badak, Kalimantan Timur | Hibah Akademik Fahutan Unmul  | 2023   |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources (Million IDR) | Period |
|---|---|-------------------------------|--------|
|   | Kemampuan berakar cangkok pinus bocor getah pada variasi jenis media cangkok dan dosis iba di baturraden, jawa tengah | UGM                           | 2021   |

| Research and development projects over the last 5 years | Name of project or research focus           | Funding Sources (Million IDR) | Period    |
|---|---|-------------------------------|-----------|
|   | Blue Carbon Initiative Project PT Badak NGL | Pertamina Foundation          | 2022-2024 |

| Research and development projects over the last 5 years | Name of project or research focus  | Funding Sources (Million IDR) | Period |
|---|--|-------------------------------|--------|
|   | Genetic variation of gelam (Melaleuca cajuputi subsp. cumingiana) in southern Kalimantan peat swamp population based on isozyme marker | Sinar Mas                     | 2018   |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |

| Industry collaborations | Patners, if applicable | Amount of financing | Project Titles | Partners | Period |
|-------------------------|------------------------|---------------------|----------------|----------|--------|
|                         | -                      | -                   | -              | -        | -      |



over the last 5 years

Patents and proprietary rights

| Titles | Year |
|--------|------|
| -      | -    |

Important publications

Selected recent publications from a total of approx (1):

over the last 5 years

1. Hapsari, M. T., & Widiyatno, W. (2023). Kemampuan Berakar Cangkok Pinus Bocor Getah pada Variasi Jenis Media Cangkok dan Dosis IBA di Baturraden, Jawa Tengah. *Perennial*, 19(1), 25-32.
2. M T Hapsari et al 2023 IOP Conf. Ser.: Earth Environ. Sci. 1282 012059

Activities in specialist bodies over the last 5 years

| Organization   | Role   | Periode        |
|--|--------|----------------|
| Persatuan Sarjana Kehutanan Indonesia (PERSAKI) – Indonesian Forestry Graduates Federation | member | 2013 – present |



Name Choiriatun Nur Annisa, S.Hut., M.For  
Position Assistant Professor

| Academic Career   | Doctoral Degree  | University   | Year           |
|---|--|--|----------------|
|   | -  | -  | -              |
| Academic Career   | Master Degree  | University   | Year           |
|   | Master of Forests (M.For.)   | The Australian National University   | 2017           |
| Academic Career   | Undergraduate degree   | University   | Year           |
|   | Bachelor degree of Forestry Science (S.Hut.)   | Universitas Gadjah Mada  | 2011           |
| Employment  | Position   | Employer   | Period         |
|   | Lecturer   | Universitas Mulawarman – Ministry of Education, Culture, and Research Technology | 2022 - present |
| Individual Consultant   | Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)  | 2020-2021  |                |
| Fulltime Consultant   | Ministry of National Development Planning/ BAPPENAS  | 2018-2019  |                |
| Project Team of Coffee and Primate Conservation, Central Java Indonesia | SwaraOwa   | 2014   |                |
| Staff of Forest Consultancy Department                                  | PT Rimbawan Bangun Lestari c.q. Sustainable Management Group   | 2013-2014  |                |
| Assistant Manager of Forest Planning and Control                        | CV Dipantara   | 2012-2013  |                |
| Research Assistant  | 1. Center for International Forestry Research (CIFOR)<br>Faculty of Forestry,<br>3. Universitas Gadjah Mada<br>4. ZMT, University of | 2008 - 2012  |                |



Bremen  
5. Bureau of Gunung  
Merapi National Park

| Research and development projects over the last 5 years | Name of project or research focus  | Funding Sources   | Period         |
|---|--|---|----------------|
|   | Background study of National Mid-Development Planning of Forestry 2020 – 2024  | - National Budget<br>- Global Green Growth Institute (GGGI) Indonesia   | 2018           |
|   | East Kutai Plantation Plan Document Development  | GIZ - SCPOPP  | 2020           |
|   | Development of East Kutai Regional Action Plan of Sustainable Palm Oil Document, Strategic Plan Estate Crop Agency Development and Action Plan of Corporate Smallholder Planning | GIZ - SCPOPP  | 2021           |
|   | Participative Specific Landuse Mapping in the New Capital City (IKN) Supporting Village of Tengin Baru, Sepaku, East Kalimantan  | KEDAIREKA (Ministry of Education, Culture, and Research Technology) – BRGM (Peatland and Mangrove Restoration Agency) | 2022           |
|   | Collaborative Research on Impact Evaluation of Forest Policies in East Kalimantan using Quasi-Experimental Methods   | CIFOR - ICRAF   | 2022 - present |
|   | Sustainable Future for Coffee and Conservation Project in Central Java, Indonesia  | personal  | 2023           |
|   | Social Mapping and Community Satisfaction Survey on Blue Carbon Program in Sepatin Village, Mahakam Delta, East Kalimantan   | Pertamina Foundation  | 2023           |
|   | Identification and Analysis of the Potential Development of Village Economic based on Local Superior Commodities in Paser Regency  | Agency of Regional Development Planning and Research & Development (BAPPEDALitbang) of Paser Regency                  | 2023           |
|   | Study of Demplot Pilot Project for the Development of 5 Most   | Agency of Regional Development Planning and Research & Development  | present        |



Potential Village Superior Products in Paser Regency (BAPPEDALitbang) of Paser Regency

Study on Key Principles of Good Governance in Forest Management Units (KPH) in East Kalimantan Post Job Creation Law (UUCK)

Faculty of Forestry, Universitas Mulawarman

present

Draft Formulation of Regulation of Capital City Authority (OIKN) on the issues of Coastal and Small Islands Management; Land Rehabilitation and Restoration; Integrated Watershed Management; and Land Occupation Resolution

Capital City Authority (OIKN)

present

Industry collaborations over the last 5 years  
Patents and proprietary rights  
Important publications over the last 5 years

| Partners, if applicable | Amount of financing | Partners | Period |
|-------------------------|---------------------|----------|--------|
| Project Titles          |                     |          |        |

-

-

-

| Titles | Year |
|--------|------|
| -      | -    |

Selected recent publications from a total of approx (3):

1. Tinjauan Masa Depan Keberlanjutan Program Konservasi Primata dan Kopi Jawa Tengah, Indonesia
2. Forest: The Important Support to End Poverty
3. Can the Community be a Manager?: a Study on Joint Forest Management through Community Forest Organization in Kayupuring Village, Central Java, Indonesia
4. Local people and the silvery Javan gibbon (*Hylobates moloch*) conservation in Petungkriyono forest, Central Java, Indonesia

Activities in specialist bodies over the last 5 years

| Organization   | Role   | Periode        |
|--|--------|----------------|
| Persatuan Sarjana Kehutanan Indonesia (PERSAKI) – Indonesian Forestry Graduates Federation | member | 2011 – present |



**Name** Fitria Dewi Kusuma, S.Hut., M.Si.  
**Position** Assistant Professor

**Academic Career**

| Doctoral Degree       | University                    | Year      |
|-----------------------|-------------------------------|-----------|
| -                     | -                             | -         |
| Master Degree         | University                    | Year      |
| Tropical Silviculture | Bogor Agricultural University | 2014-2017 |
| Undergraduate degree  | University                    | Year      |
| Silviculture          | Bogor Agricultural University | 2008-2013 |

**Employment**

| Position                           | Employer  | Period                 |
|------------------------------------|---|------------------------|
| Lecturer                           | Faculty of Forestry, Mulawarman University                        | 2022 – present         |
| Researcher                         | Yayasan Inobu   | Aug 2021 – May 2022    |
| Forestry and REDD Technical Expert | FORCLIME FC (KfW)- Collaboration Program of Germany and Indonesia | Sept 2019 – July 2021  |
| Research Assistant                 | SEAMEO BIOTROP  | April 2018 – Sept 2019 |

**Research and development projects over the last 5 years**

| Name of project or research focus   | Funding Sources                            | Period                |
|---|--|-----------------------|
| Diversity of Arbuscular Mycorrhizal Fungi in Heath Forest Ecosystem               | Faculty of Forestry, Mulawarman University | 2023                  |
| Blue Carbon Initiative Project Delta Mahakam                                      | Pertamina Foundation                       | 2022-2024             |
| Blue Carbon Initiative Project PT Badak NGL                                       | Pertamina Foundation                       | 2022-2024             |
| Heat resistance of tomato overexpression and knock-down expression by VIGS System | Shizuoka University                        | Dec 2017 – March 2018 |
| Partners, if applicable   | Amount of financing                        | Project Titles        |
| Partners  | Amount of financing                        | Project Titles        |
| Partners  | Amount of financing                        | Project Titles        |



**Industry collaborations over the last 5 years**      Effect of glyphosate on microbe and insect      PT. Jaya Bumi Paser      2023 – present

**Patents and proprietary rights**

| Titles | Year |
|--------|------|
| -      | -    |

**Important publications over the last 5 years**

Selected recent publications from a total of approx (3):

1. Kusuma FD, Supriyanto, Bonny PWS, Reyna Ashari. 2023. Effect of gamma irradiation on seed health of sengon. *Jurnal Cannarium*.
2. Haneda NF, Kusuma FD. 2018. The Diversity of Butterfly (Lepidoptera) and Longhorn Beetles (Coleoptera: Cerambycidae) Protection Areas in Kalimantan Barat. *IOP Conf. Series: Earth and Environmental Science* 197 (2018) 012020. The 2nd International Conference on Biosciences (ICoBio).
3. FD Kusuma, Supriyanto, Soekarno BP, Ashari. 2023. Ketahanan sengon generasi M1 terhadap penyakit karat tumor. *Jurnal Hutan Lestari*. 11(1): 177 – 186.

**Activities in specialist bodies over the last 5 years**

| Organization                      | Role   | Periode      |
|-----------------------------------|--------|--------------|
| Indonesian Entomology Association | member | 2023-present |





**Name** Agmi Sinta Putri, S.Si., M.Hut.

**Position** Assistant Professor

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree    | University                                 | Year      |
|-----------------|------------------|--|-----------|
|                 | Forestry Science | Faculty of Forestry, Mulawarman University | 2017-2019 |

| Academic Career | Undergraduate degree | University  | Year      |
|-----------------|----------------------|---|-----------|
|                 | Biology              | Faculty of Mathematics and Science, Mulawarman University | 2009-2014 |

| Employment | Position | Employer                                   | Period       |
|------------|----------|--|--------------|
|            | Lecturer | Faculty of Forestry, Mulawarman University | 2022-present |

| Research and development projects over the last 5 years | Name of project or research focus   | Funding Sources (Million IDR)      | Period               |
|---|---|------------------------------------|----------------------|
|   | Penapisan Potensi Tumbuhan Obat di Hutan Kerangas Muara Badak Kutai Kartanegara Melalui Analisa Metabolit Sekunder dan Aktivitas Peredaman Radikal Bebas  | 5<br>Research grants fahatan Unmul | 2023                 |
|   | Bioprospeksi Tumbuhan Aromatik Lokal untuk Restorasi Lahan Terdegradasi di Kalimantan Timur (Research Assistant)  | 468.5<br>Kemendikbudristek (PDUPT) | 2022-2023            |
|   | Peningkatan Nilai Tambah Hasil Hutan Bukan Kayu Dari Tumbuhan Tropis Genus Litsea Dalam Menghasilkan Minyak Atsiri Berbantu Analisa Histokimia dan Teknik | 499<br>Kemendikbudristek (PDUPT)   | 2021<br>2019<br>2018 |



|  |  |  |                      |
|--|--|--|----------------------|
|  | Penyulingan (Research Assistant)   |  |                      |
|  | Evaluasi Minyak Atsiri dari <i>Scorodocarpus borneensis</i> , <i>Actinodaphne glomerata</i> , dan <i>Cinnamomum parthenoxylon</i> sebagai Pendekatan Baru terhadap Bakteri Rongga Mulut (Research Assistant) | 371<br>Kemenristek Dikti<br>(HIKOM)                  | 2019<br>2018<br>2017 |
|  | Efektivitas Fraksi Minyak Atsiri dan Distilasi Fraksinasi Tumbuhan <i>Litsea angulata</i> dan <i>Cinnamomum parthenoxylon</i> terhadap Beberapa Bakteri Asam Laktat Flora Mulut (Research Team)              | 51,46<br>Kemenristek Dikti<br>(Hibah Tesis Magister) | 2019                 |
|  | Minyak Atsiri <i>Litsea angulata</i> dalam Pemanfaatan Tumbuhan Obat Lokal untuk Kesehatan Gigi (Research Assistant)   | 92<br>Islamic Delvelopment Bank (IDB)                | 2018<br>2017         |
| <b>Industry collaborations over the last 5 years</b> | Partners, if applicable  |  |                      |
|  | Amount of financing  |  |                      |
| <b>Patents and proprietary rights</b>                | Project Titles   | Partners   | Period               |
|  | -  | -  | -                    |
|  | Titles   |  | Year                 |
|  | Jenis-Jenis Tumbuhan Aromatik Dari Kutai Barat EC00202294885   |  | 2022                 |
|  | Teknologi Pengolahan Tumbuhan Obat (Ekstraksi) EC00202286754   |  | 2022                 |
|  | Proses Penyulingan Minyak Atsiri Daun <i>Litsea spp</i> dengan Metode Sistem Kukus ( <i>Water and Steam Distillation</i> ) IDS000002524  |  | 2019                 |
|  | Minyak Atsiri dari Daun <i>Dryobalanops lanceolata</i> sebagai Herbal Pencegah Karies Gigi PID201706201  |  | 2017                 |
|  | Pengolahan Daun <i>Scorodocarpus borneensis</i> menjadi Minyak Atsiri Penghambat Pertumbuhan Bakteri PID201706202  |  | 2017                 |
| <b>Important publications</b>                        | Selected recent publications from a total of approx (17):  |  |                      |

- over the last 5 years**
1. The potential of five wild growing aromatic plants from Hemaq Beniung Customary Forest on antidiabetic activity (2023)
  2. Profil Fisika dan Kimia Minyak Atsiri dari Jenis Tumbuhan Litsea Dengan Metode Penyulingan Perebusan (2023)
  3. The potential of Macaranga plants as skincare cosmetic ingredients: A review (2023)
  4. A Comparative Analysis of Essential Oils from Three Species of Cinnamomum Growing Wild in East Kalimantan (2022)
  5. A Mini Review: The Application of Eupatorium Plants as Potential Cosmetic Ingredients (2022)
  6. Pemanfaatan Limbah Sebagai Hidroponik dan Pupuk Organik Cair Di Desa Sumber Sari, Kutai Barat (2022)
  7. Evaluation of Antibacterial Activity and Physico-Chemical Profiles of *Eucalyptus pellita* Essential Oil from East Kalimantan (2021)
  8. Antioxidant and Antibacterial Activity from Three Different Solvents of *Nephelium ramboutan-ake* Leaves Crude Extract (2021)
  9. Peningkatan Literasi Masyarakat Desa Asa, Barong Tongkok, Kutai Barat Era *New Normal* (2021)
  10. Toxicity, antioxidant ability and inhibition of oral pathogens by monoterpene-rich essential oil of *Litsea angulata* Blume (2020)
  11. Pengujian Toksisitas Kulit Batang Kratom (*Mitragyna speciosa* Korth) Terhadap Larva *Artemia salina* (2020)
  12. Short Communication: In vitro antibacterial activity of essential oils from twelve aromatic plants from East Kalimantan, Indonesia (2019)
  13. Chemical Composition, Antibacterial and Antioxidant Activities of Essential Oils of *Dryobalanops lanceolata* (2018)
  14. Chemical Compositions and Antimicrobial Potential of *Actinodaphne macrophylla* leaves oils from East Kalimantan (2018)
  15. Antibacterial and glucosyltransferase enzyme inhibitory activity of *Helmyntostachys zelanica* (2018)
  16. Chemical composition and bioactivity of essential oil from the leaves of *Scorodocarpus borneensis* Becc. (Olacaceae) grown in Indonesia (2018)
  17. Phytochemical, antioxidant and antimicrobial properties of *Litsea angulata* extracts (2018)

**Activities in specialist bodies over the last 5 years**

| Organization  | Role   | Periode      |
|---|--------|--------------|
| Organization for Women in Science for the Developing World (OWSD) | Member | 2020-present |



**Name** Widia Sri Utami, S.Hut., M.Sc.

**Position** Lecturer

**Academic Career**

| Doctoral Degree | University | Year |
|-----------------|------------|------|
| -               | -          | -    |

| Master Degree              | University                                   | Year |
|----------------------------|--|------|
| Master of Forestry Science | Faculty of Forestry, Universitas Gadjah Mada | 2022 |

| Undergraduate degree                | University  | Year |
|-------------------------------------|---|------|
| Bachelor degree of Forestry Science | Faculty of Forestry, Institut Pertanian STIPER Yogyakarta | 2020 |

| Associate degree | University                                      | Year |
|------------------|---|------|
| Forestry         | Vocational High School, Universitas Gadjah Mada | 2018 |

**Employment**

| Position | Employer                                   | Period         |
|----------|--|----------------|
| Lecturer | Faculty of Forestry, Mulawarman University | 2023 – Present |

| Position    | Employer   | Period      |
|-------------|--|-------------|
| Field Staff | The Ministry of Agrarian Affairs and Spatial Planning/National Land Agency | 2022 – 2023 |

| Position            | Employer                                     | Period      |
|---------------------|--|-------------|
| Professor Assistant | Faculty of Forestry, Universitas Gadjah Mada | 2020 – 2022 |

| Position            | Employer                                     | Period      |
|---------------------|--|-------------|
| Professor Assistant | Faculty of Forestry, Universitas Gadjah Mada | 2016 – 2017 |

**Research and development projects over the last 5 years**

| Name of project or research focus | Funding Sources | Period |
|-----------------------------------|-----------------|--------|
| -                                 | -               | -      |

| Partners, if applicable | Amount of financing |
|-------------------------|---------------------|
| -                       | -                   |

**Industry collaborations over the last 5 years**

| Project Titles        | Partners               | Period      |
|-----------------------|------------------------|-------------|
| Community Empowerment | Tirta Investama (AQUA) | 2022 – 2023 |

| Project Titles        | Partners             | Period      |
|-----------------------|----------------------|-------------|
| Community Empowerment | Java Learning Center | 2022 – 2023 |

| Project Titles        | Partners       | Period |
|-----------------------|----------------|--------|
| Community Empowerment | BRI KCU Subang | 2022   |

**Patents and proprietary rights**

| Titles | Year |
|--------|------|
| -      | -    |



**Important publications over the last 5 years**

Selected recent publications from a total of approx (2):

1. Model Allometrik Daun Ranting Kayu Putih di BKPH Subang Jawa Barat (Jurnal Hutan Tropis, 2024)
2. Pelatihan Pemanfaatan Tanaman Indigofera zollingeriana sebagai Tanaman Konservasi dan Alternatif Pakan Ternak (Journal Human and Education, 2023)

**Activities in specialist bodies over the last 5 years**

| Organization                               | Role              | Periode     |
|--|-------------------|-------------|
| Bidang Aksi Sosial Universitas Gadjah Mada | General Secretary | 2020 - 2022 |
| HMP Universitas Gadjah Mada                | Member            | 2020 - 2022 |



**Name** Muhammad Rosyid Ridho, S.Hut., M.Sc.  
**Position** Lecturer

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree              | University                                   | Year |
|-----------------|----------------------------|--|------|
|                 | Master of Forestry Science | Faculty of Forestry, Universitas Gadjah Mada | 2021 |

| Academic Career | Undergraduate degree | University                                   | Year |
|-----------------|----------------------|--|------|
|                 | Forestry             | Faculty of Forestry, Universitas Gadjah Mada | 2015 |

| Employment | Position                     | Employer                                     | Period         |
|------------|------------------------------|--|----------------|
|            | Lecturer                     | Faculty of Forestry, Mulawarman University   | 2023 - Present |
|            | Professor Assistant          | Faculty of Forestry, Universitas Gadjah Mada | 2019 – 2021    |
|            | Assistant Manager of Nursery | PT. Bio Hutanea                              | 2015 – 2017    |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Research and development projects over the last 5 years | Partners, if applicable | Amount of financing | Period |
|---|-------------------------|---------------------|--------|
|   | -                       | -                   | -      |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   | -              | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

**Important publications over the last 5 years**  
Selected recent publications from a total of approx (1):

1. Thermal behavior of heat-treated wood using two-dimensional correlation of near-infrared spectroscopy and differential scanning calorimetry (2023) J Wood Sci Tec

| Activities in specialist bodies over the last 5 years | Organization | Role | Periode |
|---|--------------|------|---------|
|   | -            | -    | -       |



**Name** Muhammad Taufiq Haqiqi., M.Sc

**Position** Lecturer

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree         | University               | Year        |
|-----------------|-----------------------|--------------------------|-------------|
|                 | Biotechnology Program | Chulalongkorn University | 2019 - 2021 |

| Academic Career | Undergraduate degree | University            | Year        |
|-----------------|----------------------|-----------------------|-------------|
|                 | Faculty of Forestry  | Mulawarman University | 2013 - 2017 |

| Employment | Position                 | Employer           | Period |
|------------|--------------------------|--------------------|--------|
|            | Plantation Best Practice | Sinar Mas Forestry | 2018   |

| Employment | Position | Employer | Period |
|------------|----------|----------|--------|
|            | -        | -        | -      |

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Research and development projects over the last 5 years | Patners, if applicable | Amount of financing | Period |
|---|------------------------|---------------------|--------|
|   | -                      | -                   | -      |

| Industry collaborations over the last 5 years | Project Titles | Partners | Period |
|---|----------------|----------|--------|
|   | -              | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

| Important publications over the last 5 years | Titles | Year |
|--|--------|------|
|  | -      | -    |

Selected recent publications from a total of approx (give total number): 11

1. Amirta, R., Haqiqi, M, T., Saparwadi , S., Septia, E., Mujiasih, D., Setiawan, K, A., Sekedang, M, A., Yuliansyah., Wijaya, A., Setiyono, B., Suwinarti, W., 2019. Searching for Potential Wood Biomass for Green Energy Feedstock: A Study in Tropical Swamp-Peat Forest of Kutai Kartanegara, Indonesia. Biodiversitas 20 (6): 1516-1523.
2. Ramadhan, R., Kristanti, A, N., Amirta, R., Kusuma, I, W., Phuwapraisirisan, P., Haqiqi, M, T. 2019. Screening for Potential Antidiabetes and Antioxidant Activities of Selected Plants from East Kalimantan, Indonesia. Biodiversitas 20(7): 1820-1826.
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**Activities in specialist bodies over the last 5 years**

| Organization   | Role       | Periode |
|--|------------|---------|
| Regional Research and Innovation Agency (in East Kalimantan) | Researcher | 2023    |





**Name** Fenny Putri Mariani Sofyan, S. Hut., M. Hut  
**Position** Lecturer

| Academic Career | Doctoral Degree | University | Year |
|-----------------|-----------------|------------|------|
|                 | -               | -          | -    |

| Academic Career | Master Degree      | University            | Year        |
|-----------------|--------------------|-----------------------|-------------|
|                 | Master of Forestry | Mulawarman University | 2018 – 2022 |

| Academic Career | Undergraduate degree        | University            | Year        |
|-----------------|-----------------------------|-----------------------|-------------|
|                 | Bachelor Degree of Forestry | Mulawarman University | 2009 – 2014 |

| Employment | Position          | Employer                                      | Period      |
|------------|-------------------|---|-------------|
|            | Laboratory Worker | Soil Sciences and Forest Nutrition Laboratory | 2017 – 2023 |

|  |       |                                   |             |
|--|-------|-----------------------------------|-------------|
|  | Staff | Center for Climate Change Studies | 2015 – 2017 |
|--|-------|-----------------------------------|-------------|

| Research and development projects over the last 5 years | Name of project or research focus | Funding Sources | Period |
|---|-----------------------------------|-----------------|--------|
|   | -                                 | -               | -      |

| Industry collaborations over the last 5 years | Partners, if applicable<br>Amount of financing<br>Project Titles | Partners | Period |
|---|--|----------|--------|
|   | -  | -        | -      |

| Patents and proprietary rights | Titles | Year |
|--------------------------------|--------|------|
|                                | -      | -    |

| Important publications over the last 5 years | Selected recent publications from a total of approx (give total number): |
|--|--|
|  | -  |

| Activities in specialist bodies over the last 5 years | Organization | Role | Periode |
|---|--------------|------|---------|
|   | -            | -    | -       |