



# STAFF HANDBOOK

## DOCTORAL PROGRAM IN FORESTRY MULAWARMAN UNIVERSITY

2023



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## 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



*Rudianto*  
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**

1	Prof. Dr. Ir. H. Mustofa Agung Sardjono
2	Prof. Dr. Ir. H. Agus Sulistyo Budi
3	Prof. Dr. Ir. Marlon Ivanhoe Aipassa, M.Agr.
4	Prof. Dr. Ir. Hj. Marjenah, M.P
5	Prof. Dr. Ir. Yosep Ruslim, M.Sc.
6	Prof. Dr. Ir. H. Rujehan, M.P.
7	Prof. Dr. Ir. Paulus Matius, M.Sc.
8	Prof. Dr. Enos Tangke Arung, S.Hut., M.P.
9	Prof. Dr. Ir. Sigit Hardwinarto, M.Agr.
10	Prof. Dr. Ir. Edy Budiarmo
11	Prof. Dr. Rudianto Amirta, S.Hut. M.P
12	Prof. Dr. Irawan Wijaya Kusuma, S.Hut., M.P
13	Prof. Dr. R.R. Harlinda Kuspradini, S.Hut., M.P.
14	Prof. Dr. Karyati, S.Hut., M.P.
15	Ali Suhardiman, S.Hut., M.P., Ph.D
16	Dr. Heru Herlambang, S.Hut., M.P.
17	Dr. Ir. Wahjuni Hartati, M.P.
18	Ir. Sukartiningsih, M.Sc., Ph.D.
19	Dr. Ir. Ibrahim, M.P.
20	Dr. Ir. Syarinudin, M.Sc.
21	Dr. rer.nat. Harmonis, S.Hut., M.Sc.
22	Kiswanto, S.Hut., M.P., Ph.D.
23	Dr. Ir. H. Triyono Sudarmadji, M.Agr.
24	Dr. Ir. H. Chandradewana Boer, Dipl. Biol.
25	Dr. Ir. Paulus Matius, M.Sc.
26	Dr. Sutedjo
27	Dr. Yaya Rayadin, S.Hut., M.P
28	Y. Budi Sulistioadi, S.Hut., M.Sc., M.S., Ph.D.
29	Dr. Rachmat Budiwijaya Suba, S.Hut., M.Sc.
30	Dr. Emi Purwanti, S.Hut., M.Si.
31	Dr. Ir. Isna Yuniar Wardhani, M.P
32	Dr. Ir. Enih Rosamah, M.Sc
33	Dr. Hj. Wiwin Suwinarti, S.Hut., M.P
34	Dr. Erwin, S.Hut. M.P
35	Dr.Hut. Yuliansyah, S.Hut., M.P.
36	Dr. Ir. Bernaulus Saragih, M.Sc.
37	Dr. Setiawati, M.P



**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
Master Degree	University	Year	-
	-	-	-
Undergraduate degree	University	Year	
	Forestry Science (Ir.)	Faculty of Forestry, Mulawarman University	1982
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		2023



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

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

Project Titles

Partners

Period

-

-

-

Titles

Year

-

-

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

1. Potensi agroforestri di Desa Mara Satu Kabupaten Bulungan Provinsi Kalimantan Utara
2. Locating the unique biodiversity of Balikpapan Bay as an ecotourism attraction in East Kalimantan, Indonesia
3. Benefit sharing schema from the forest: Identifying potential distributions to customary communities in Teluk Bintuni district, Indonesia
4. Social Contracts: Pillars of Community Conservation Partnerships in Lore Lindu National Park, Indonesia
5. Potensi Penarik Dari Puriduta Arboretum Sempaja Sebagai Media Pendidikan Lingkungan Hidup
6. Strategi Adaptasi Masyarakat Kutai Menghadapi Perkembangan Pembangunan Ekonomi Berbasis Sda (Studi Kasus: Wilayah Kedang Ipil, Kutai Kartanegara ...
7. Contribution of Agroforestry to Total Farmers' Revenue in Long Beluah Village, North Kalimantan Province-Indonesia
8. Tenurial Conflicts Within Protected Forest Management Unit (PFMU) of Tarakan, North Kalimantan
9. Modal sosial dalam mendukung program perhutanan sosial (kasus di HTR Kecamatan Batu Ampar, Kutai Timur
10. Development Aspect of Bengalon Production Forest Management Unit in Kutai Timur Regency
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 specialist bodies over the last 5 years	in	Organization		Role	Periode
		Persatuan Kehutanan (PERSAKI) - Forestry Federation	Sarjana Indonesia - Indonesian Graduates	member	1982 – present
		Persatuan Indonesia - Indonesian Federation	Insinyur (PII) - Engineer	member	2020 – present
		Masyarakat Indonesia - Indonesian Community	Agro-Forestri (MAFI) - Agroforestry	member	2020 – present
		Kommunitas Hutan (KOMHINDO) - Indonesian Management Community	Manajemen Indonesia - Forest Management Community	member	2021 – present



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

**Position** Full Professor

**Academic Career**

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

**Employment**

Position	Employer	Period
Lecturer	Faculty of Forestry, 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		
Project Titles	Partners	Period

**Industry collaborations over the last 5 years**

**Patents and proprietary rights**

Titles	Year
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**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
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<b>Name</b>	Prof. Dr. Ir. Edy Budiarmo		
<b>Position</b>	Full Professor		
<b>Academic Career</b>	Doctoral Degree	University	Year
	Wood Physics	Hamburg University	1996
	Master Degree	University	Year
	-	-	-
<b>Employment</b>	Undergraduate degree	University	Year
	Forest Product	IPB University	1984
	Position	Employer	Period
	Lecturer	Mulawarman University	1985 - Present
<b>Research and development projects over the last 5 years</b>	Name of project or research focus	Funding Sources	Period
	-	-	-
	Partners, if applicable		
<b>Industry collaborations over the last 5 years</b>	Amount of financing		
	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 (8):		
	1. Bioethanol production from cassava peel by ultrasonic assisted using HCl as catalyst (2019)		
	2. Increased Benefits of <i>Calamus manan</i> Miq. Fruit by Its Potential Bioactivity (2021)		
	3. Preservation of Pulai Wood ( <i>Alstonia scholaris</i> L. Br) with Natural Preservative Fruit Extracts <i>Orania Palindan</i> (Blanco) Merr (2021)		
	4. The Potential of Katuk Hutan ( <i>Phyllanthus reticulatus</i> ) as a Medicinal Plant (2021)		
	5. Optimal Thickness and Heating Time Based on Physical and Mechanical Properties of Densified Sengon Board (2021)		
	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  
specialist  
bodies over the  
last 5 years**

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



<b>Name</b>	Prof. Dr. Ir. Agus Sulistyo Budi		
<b>Position</b>	Full Professor		
<b>Academic Career</b>	Doctoral Degree	University	Year
	Wood Biology	Hamburg University	1993
	Master Degree	University	Year
	-	-	-
<b>Employment</b>	Undergraduate degree	University	Year
	Forestry	Mulawarman University	1984
	Position	Employer	Period
	Lecturer	Mulawarman University	1985-present
<b>Research and development projects over the last 5 years</b>	Name of project or research focus	Funding Sources	Period
	-	-	-
	Partners, if applicable		
<b>Industry collaborations over the last 5 years</b>	Amount of financing		
	Project Titles	Partners	Period
	-	-	-
<b>Patents and proprietary rights</b>	Titles		Year
	Book: Struktur dan Penggolongan Kayu Famili Sapotaceae		2022
<b>Important publications over the last 5 years</b>	Selected recent publications from a total of approx (give total number):		
	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 Kartanegara, 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 ( <i>Dryobalanops sp.</i> ) yang terinfeksi jamur pelapuk putih ( <i>Schizophyllum commune</i> ) (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	2000 – Present
IWORS	Member	2000 – Present



**Name** Prof. Dr. Ir. Sigit Hardwinarto, M. Agr.

**Position** Full Professor

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

Academic Career	Undergraduate degree	University	Year
		Universitas Gadjah Mada	1985
Employment	Position	Employer	Period

	Lecturer	Faculty of Forestry, Mulawarman University	1986-present
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Research and development projects over the last 5 years	Name of project or research focus	Funding Sources	Period
	Patners, if applicable		
	Amount of financing		

Industry collaborations over the last 5 years	Project Titles	Partners	Period
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Patents and proprietary rights	Titles	Year
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**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
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**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**

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**

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
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	Editor team Jurnal Hutan tropis (Ulin)	Faculty of Forestry, Mulawarman University	2022 – Present
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**Research and development projects over the last 5 years**

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**

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

**Patents and proprietary rights**

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 over the last 5 years**

Selected recent publications from a total of approx (37):

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 absorption 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 crassiparva* 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, Mulawarman University	1997-present
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<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, Praselia 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 *Heterotrogona 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 Santosoc, 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
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**Name** Prof. Dr. Ir. Marjenah, M.P.  
**Position** Full Professor

Academic Career	Doctoral Degree	University	Year
		Mulawarman University	2008
Academic Career	Master Degree	University	Year
		Mulawarman University	1998
Academic Career	Undergraduate degree	University	Year
		Mulawarman University	1986

Employment	Position	Employer	Period
	Wakil Direktur 2 Pasca Sarjana UNMUL Bidang Umum dan Keuangan	UNMUL	2017 - 2022

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 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</li> </ol>		



- Sumaryono). 1st International Conference on Tropical Studies and Its Application (ICTROPS). 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 Yusri, 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 TPTI 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	in	Organization	Role	Periode
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<b>specialist bodies over the last 5 years</b>	Persatuan Insinyur Indonesia	Anggota	2018-present
	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	2018
	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 Partisipatif Di Desaa Muara Siran Dan Desa Liang Buaya Kecamatan Muara Kaman Kabupaten Kutai Kartanegara, Penulis: Saparwadi, Yohanes Budi Sulistoadi, 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 Mujjasih, 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	Advisor	2020



Hutan Indonesia  
(KOMHINDO).





<b>Name</b>	Prof. Dr. Ir. Paulus Matius., M.Sc		
<b>Position</b>	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		
	Amount of financing		
<b>Patents and proprietary rights</b>	Project Titles	Partners	Period
	-	-	-
<b>Important publications over the last 5 years</b>	Titles		Year
	-		-
	Selected recent publications from a total of approx (32):		
	1. Andriyani, R., Hastaniah, H., Matius, P., Diana, R., & Sutedjo, S. (2023). Identification and analysis of understory species diversity in Sangkima Jungle Park secondary forest in Kutai National Park post-fire affected areas. Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia, 9(1), 59-66.		
	2. Utami, Y., Matius, P., Diana, R., Sutedjo, S., & Hastaniah, H. (2023). Diversity of medicinal potentially plants on KHDTK Diklat forestry Faculty of Forestry,		



- Mulawarman University, Samarinda, East Kalimantan. Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia, 9(1), 118-125.
- Ola, R. P., Kiswanto, K., Diana, R., Marjenah, M., & Matius, P. (2023). Simpanan karbon tegakan mangrove di Desa Tengin Baru Ibu Kota Nusantara. *ULIN: Jurnal Hutan Tropis*, 7(2), 246-254.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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).
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - Siahaya, M. E., Matius, P., Aipassa, M. I., Rayadin, Y., Ruslim, Y., & Aponno, H. S. E. S. (2021). Potential analysis of location, socio-culture and biodiversity as ecotourism attraction in Valentine Bay on Buano Island, West Seram, Maluku, Indonesia. *Biodiversitas Journal of Biological Diversity*, 22(1).
  - 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.
  18. Putra, M. U., Rujehan, R., Sardjono, M. A., Matius, P., & Ahyauddin, A. (2020). Potensi agroforestri di Desa Mara Satu Kabupaten Bulungan Provinsi Kalimantan Utara. *Agrifor: Jurnal Ilmu Pertanian dan Kehutanan*, 19(1), 59-70.
  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 NTFPs/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

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
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	Antioxidant and antidiabetic potential of extracts and isolated compounds from selected Invasive Plants	KEMENDIKBUD	2022
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	Study of the nutritional potential of orangutan food plants in the Wehea Kelay Landscape	YKAN	2022
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	Study of the Nutritional Potential of Orangutan	YKAN	2021
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	Study of the Nutritional Potential of Orangutan	YKAN	2021
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	Study of the Nutritional Potential of Orangutan	YKAN	2021
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	Study of the Nutritional Potential of Orangutan	YKAN	2021
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	Study of the Nutritional Potential of Orangutan	YKAN	2021
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	Study of the Nutritional Potential of Orangutan	YKAN	2021
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	Study of the Nutritional Potential of Orangutan	YKAN	2021
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	Study of the Nutritional Potential of Orangutan	YKAN	2021
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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

**Industry collaborations over the last 5 years**

Partners, if applicable	Amount of financing	Project Titles	Partners	Period
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**Patents and proprietary rights**

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

**Important publications over the last 5 years**

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 Kemendikbudristek (PDUPT)	2022-2023

	Pemanfaatan Minyak Atsiri Daun Litsea elliptica Blume sebagai Bahan Pestisida Alami	5 Academic Support Faculty of Forestry, Mulawarman University	2022
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	Karakterisasi Kandungan Kimia dan Bioaktivitas produk Enkapsulasi dari 3 Jenis Minyak Atsiri Kalimantan Timur	50 Kemendikbudristek PDUPT Grant	2022
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	Karakteristik Sifat Kimia Minyak Atsiri 5 Jenis Herbal Aromatik	5 Academic Support Faculty of Forestry, Mulawarman University	2021
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	Peningkatan Nilai Tambah Hasil Hutan Bukan Kayu	194,5	2021
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Minyak Atsiri dari Tumbuhan Tropis Genus Litsea Berbantu Teknik Histokimia dan Penyulingan (Tahun ke 3)	Kemendikbudristek (PDUPT)	
Efektivitas fraksi minyak atsiri dari distilasi fraksinasi tumbuhan Litsea angulata dan Cinnamomum parthenoxylon terhadap beberapa bakteri asam laktat flora mulut	Kemenristekdikti Master Thesis Grant	51,46 2019
Peningkatan Nilai Tambah Hasil Hutan Bukan Kayu Minyak Atsiri dari Tumbuhan Tropis Genus Litsea Berbantu Teknik Histokimia dan Penyulingan (Tahun ke 2)	Kemendikbudristek (PDUPT)	194,5 2019
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 3)	Ristekdikti Competency Grant	125 2019
Potensi Feed Additive Daun Sirih Merah Kalimantan (Piper Crocatum) Sebagai Antibakteri – Antioksidan Pengganti Antibiotik Terhadap Kualitas Karkas Ayam Pedaging (Anggota Pengusul)	Islamic Development Bank (IDB)	45 2018
Eksplorasi Beberapa Jenis Tanaman Paku Sebagai Bahan Kosmetik (Anggota Tim Pengusul Mitra)	Ristekdikti	72,25 2018
Minyak Atsiri <i>Litsea angulata</i> dalam Pemanfaatan Tumbuhan Obat Lokal untuk Kesehatan Gigi	Islamic Development Bank (IDB)	47 2018
Evaluasi Minyak Atsiri dari <i>Scorodocarpus borneensis</i> , <i>Actinodaphne glomerata</i> dan <i>Cinnamomum parthenoxylon</i> sebagai Pendekatan Baru	Ristekdikti Competency Grant	125 2018



terhadap Bakteri Rongga Mulut (Tahun ke 2)

Peningkatan Nilai Tambah Hasil Hutan Bukan Kayu Minyak Atsiri dari Tumbuhan Tropis Genus Litsea 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	Partners	Period
	Project Titles		
	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 Litsea 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. *Biodiversitas*, 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.
  26. Putri, A. S., Kuspradini, H., Rosamah, E., & Puspitasari, D. (2020). Pengujian Toksisitas Kulit Batang *Mitragyna speciosa*. *MCTrops*, 1(2), 8-13.
  27. Kuspraningrum, E., Luth, T., Yuliati, Y., Safa'at, R., & Kuspradini, H. (2020). The conservation of Tengger indigenous people's traditional knowledge of biological 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.
  29. Maharani, R., Fernandes, A., Turjaman, M., Kuspradini, H., & Lukmandaru, G. (2020). Chemical and organoleptic properties of bekaï (*pycnarrhena tumefacta* miers) leaves for flavouring agent (bio-vetsin). *Indonesian Journal of Forestry Research*, 7(2), 121-133.
  30. Khairunnisa, B., Rosamah, E., Kuspradini, H., Kusuma, I. W., Sukemi, S., & Tandirogang, N. (2020). Uji fitokimia dan antioksidan ekstrak etanol propolis lebah kelulut (*Tetragonula iridipennis*) dari Samarinda Kalimantan Timur. *Jurnal Ilmiah Manuntung*, 6(1), 65-69.
  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.
  33. Nurhasnawati, H., Sundu, R., Sapri, S., Supriningrum, R., Kuspradini, H., & Arung, E. T. (2019). Antioxidant activity, total phenolic and flavonoid content of several indigenous species of ferns in East Kalimantan, Indonesia. *Biodiversitas Journal of Biological Diversity*, 20(2), 576-580.
  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).
  35. Kuspradini, H., Putri, A. S., Egra, S., & Yanti, Y. (2019). In vitro antibacterial activity of essential oils from twelve aromatic plants from East Kalimantan, Indonesia. *Biodiversitas Journal of Biological Diversity*, 20(7).
  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., Murti Laksono, 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 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 Kompleks Pada Proses Perlakuan Awal (Pretreatment) Bahan Baku, Guna Meningkatkan Produktifitas Gula Tereduksi Dan Etanol Dari Biomassa Berlignoselulosa	35 IsDB	2021
	Pembuatan Arang Premium dan Asap Cair Dalam Rangka Pemanfaatan Limbah Kayu Sisa Penebangan Untuk Meningkatkan Taraf Hidup Masyarakat di Kecamatan Muara Badak dan Kota	170 RISTEKDIKTI PTTG	2019



Bangun, Kutai Kartanegara			
Pyrolysis-Gas Chromatography/ Mass Spectroscopy study of fast growing wood <i>Macaranga</i> species and the pyrolysis oil	110	RISTEKDIKTI KLN	2019
Model Penyediaan Listrik Desa Berbasis Biomassa Hutan untuk Wilayah Pedalaman dan Perbatasan di Kalimantan	140	RISTEKDIKTI- 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	Project Titles	Partners	Period
-	-	-	-	-
Titles				Year
-				-

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

1. Haqiqi MT, Bankeeree W, Lotrakul P, Pattanuwat 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	Member	2018-present



Indonesia (PII)		
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 Kemendikbudristek	2019 – 2021
	Strategi Rehabilitasi Lahan dan Konservasi Tanah (RLKT) pada Lahan Kritis dengan Sistem Agroforestri	145 Kemendikbudristek	2017 – 2018

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 Kemendikbudristek	2019 – 2021

Research and development projects over the last 5 years	Name of project or research focus	Funding Sources (Million IDR)	Period
	Strategi Rehabilitasi Lahan dan Konservasi Tanah (RLKT) pada Lahan Kritis dengan Sistem Agroforestri	145 Kemendikbudristek	2017 – 2018

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
	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 Penyiangian 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, E-ISSN: 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, E-ISSN: 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
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<b>Name</b>	Dr. Ir. Isna Yuniar Wardhani, M.P.		
<b>Position</b>	Associate Professor		
<b>Academic Career</b>	Doctoral Degree	University	Year
	Faculty of Forestry	IPB University	2005
	Master Degree	University	Year
	Forestry Science	Faculty of Forestry, Mulawarman University	1996
	Undergraduate degree	University	Year
	Faculty of Forestry	Faculty of Forestry, Mulawarman University	1989
<b>Employment</b>	Position	Employer	Period
	Lecturer	Faculty of Forestry, Mulawarman University	1990 - present
<b>Research and development projects over the last 5 years</b>	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	2021
	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
<b>Industry collaborations over the last 5 years</b>	Partners, if applicable		
	Amount of financing		
	Project Titles	Partners	Period
Quality Consultant of Glued Laminated Timber	PT Cahaya Samtraco Utama, Samarinda	2006 - present	
Eco Smart House	PT MHU, PT Idea Borneo	2023	

Construction

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

Titles	Year
-	-

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 arborea*) 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 laevifolia* 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. 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
	Master Degree	University	Year
Forestry Science	Faculty of Forestry, Mulawarman University	1996-1999	
Employment	Undergraduate degree	University	Year
	Forest Product Technology	Faculty of Forestry, Mulawarman University	1988-1993
	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 Kemenristekdikti	2017-2018
	Model Penyediaan Listrik Desa Berbasis Biomassa Hutan Untuk Wilayah Pedalaman dan Perbatasan di Kalimantan	580 Kemenristekdikti	2017-2018
	Potensi dan Karakterisasi Tumbuhan Penghasil Serat Alam Di Kawasan KPHP Kendilo	5 Hibah Akademik Fahutan Unmul	2021
	Karakterisasi Pandan Kowang ( <i>Pandanus furcatus</i> Roxb.) Sebagai	5 Hibah Akademik Fahutan	2022



	Tumbuhan Serat Alam	Penghasil	Unmul
<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
	Verifikasi Legalitas Kayu	PT. Trustindo Karya	Prima 2012-present
<b>Important publications over the last 5 years</b>	Titles		
	Year		
	-		
	Selected recent publications from a total of approx (28):		
	<ol style="list-style-type: none"> <li>1. The potential of Macaranga plants as skincare cosmetic ingredients: A review. <i>Journal of Applied Pharmaceutical Science</i> Vol. 13(07), pp 001-012 (2023)</li> <li>2. A Mini Review: The Application of Eupatorium Plants as Potential Cosmetic Ingredients. <i>Cosmetics</i> 9(5), 103 (2022)</li> <li>3. Efektivitas perlakuan awal alkali dan hidrotermal terhadap proses delignifikasi, potensi gula reduksi dan produksi etanol teoritis dari kayu <i>Vernonia amygdalina</i> Delile. <i>Ulin - Jurnal Hutan Tropis</i> 6(2) : 155-164 (2022)</li> <li>4. Short Communication: Analysis of the ultimate wood composition of a forest plantation species, <i>Eucalyptus pellita</i>, to estimate its bioelectricity potency. <i>BIODIVERSITAS</i> 23(5): 2389-2394 (2022)</li> <li>5. Uji aktivitas antibakteri ekstrak propolis lebah <i>Heterotrigona itama</i> dari beberapa lokasi budidaya di Kalimantan Timur terhadap bakteri <i>Propionibacterium acnes</i>. <i>Ulin-Jurnal Hutan Tropis</i> 6(2):121-125 (2022)</li> <li>6. Phytochemicals, antioxidants activity, total phenolic and total flavonoid content of liquid smoke from tropical plants. <i>International Journal of Biosciences</i> 21(6) : 316-321 (2022)</li> <li>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)</li> <li>8. Phytochemical screening and antioxidant activity of wild mushrooms growing in tropical regions (2021)</li> <li>9. Assessment of wood biomass productivity from <i>Anthocephalus macrophyllus</i> forest plantation for energy production (2021)</li> <li>10. Aktivitas antioksidan dan antibakteri dari ekstrak <i>bee pollen</i> lebah kelulut (<i>Tetragonula sarawaknensis</i>) (2021)</li> <li>11. Characterization of slow pyrolysis products of <i>Macaranga motleyana</i>: Effect of sample size (2020)</li> <li>12. Prevention Methods Against <i>Aeromonas hydrophila</i> and <i>Pseudomonas fluorescens</i> Infection In Tilapia (2020)</li> <li>13. Bioactivities of forest medicinal plants on kutai ethnic (Indonesia) of tapak leman (<i>Hippobroma longiflora</i> (L) G. Don) (2020)</li> <li>14. Short communication: Diversity of plant species growing during fallow period of shifting cultivation and potential of its biomass for sustainable energy production</li> </ol>		

- 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 spesies (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 Developing World (OWSD)	Member	2021-present



**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
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**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	1987- 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, Syahrudin Syahrudin, 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
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<b>Name</b>	Dr. Ir. Bernaulus Saragih, M.Sc.		
<b>Position</b>	Associate Professor		
<b>Academic Career</b>	Doctoral Degree	University	Year
	Master Degree	University	Year
	Undergraduate degree	University	Year
<b>Employment</b>		Mulawarman University	1992
	Position	Employer	Period
	Lecturer	Faculty of Forestry, Mulawarman University	1993-present
<b>Research and development projects over the last 5 years</b>	Name of project or research focus	Funding Sources	Period
	Partners, 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 (give total number):		
<b>Activities in specialist bodies over the last 5 years</b>	Organization	Role	Periode



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

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

Employment	Position	Employer	Period
	Lecturer	Faculty of Forestry, Mulawarman University	1991-present
	Head of Forest Product Chemistry and Renewable 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	Patners, if applicable	Amount of financing	Project Titles	Partners	Period
	-	-	-	-	-



Patents and proprietary rights	Titles	Year
	Paten Sederhana 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):	
	<ol style="list-style-type: none"> <li>1. The Role of Bamboo Nanoparticles in Kenaf Fiber Reinforced Unsaturated Polyester Composites (2018)</li> <li>2. Aktivitas Antioksidan Pada Ekstrak Etanol Tumbuhan Baraan (<i>Dracontomelon dao</i> (Blanco) Merr &amp; Rolfe) Seminar Masyarakat Peneliti Kayu Indonesia (MAPEKI) (2019)</li> <li>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)</li> <li>4. Kromatografi Lapis Tipis Metode Sederhana dalam analisis Kimia Tumbuhan berkayu Mulawarman University Press (2019)</li> <li>5. Uji Fitokimia Dan Antioksidan Ekstrak Etanol Propolis Lebah Kelulut (<i>Tetragonula iridipennis</i>) DARI SAMARINDA KALIMANTAN TIMUR (2020)</li> <li>6. BEEPOLEEN <i>Tetragonula testaceitarsis</i> ANTIBACTERIA (<i>Propionibacterium acnes</i>) TEST (2020)</li> <li>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)</li> <li>8. Metode Praktis Analisis Kimia Tumbuhan Berkayu ISBN 978-623-02-0774-7 Diterbitkan oleh Deepublish (2020)</li> <li>9. Inovasi Pembelajaran Di Pendidikan Tinggi ISBN 978-623-02-0531-6 Diterbitkan oleh Deepublish (2020)</li> <li>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)</li> <li>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)</li> <li>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)</li> <li>13. Antibacterial Activity Against <i>Propionibacterium acnes</i> of n-Hexane Fractions from Siam Weed Leaves (<i>Chromolaena odorata</i>) (2021)</li> <li>14. Evaluation of Antibacterial Activity and Physico Chemical Profiles of <i>Eucalyptus pellita</i> Essential Oil from East Kalimantan (2021)</li> </ol>	





15. BUMIKU INDONESIA (Bunga Rampai Kearifan Lokal) Editor: Retno Widyani (BAB 5. Validasi Penggunaan Pewarna alami Bixa Orellana 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*. MORRESIER 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** Dr.Agr.sc. Erwin, S.Hut., M.P.

**Position** Associate Professor

Academic Career	Doctoral Degree	University	Year
	Forest and Biomaterial Science, Departement of Agriculture	Kyoto University	2008
Academic Career	Master Degree	University	Year
	Forestry science, Postgraduate Program, Faculty of Forestry	Mulawarman University	2001
Academic Career	Undergraduate degree	University	Year
	Technology of Forest Product, Faculty of Forestry	Mulawarman University	1997

Employment	Position	Employer	Period
	Vice dean for student affairs and alumni	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
	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 Kemenristekdikti: Pendanaan Desentralisasi Skema PUPT 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
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Titles	Year
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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 *Trichodermaviride* and *Aspergillus flavus* against wood-decay fungus *Pleurotusostreatus*. (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 (*Eurycoma longifolia*), 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/ Symposium, ISSN 2468-5747 ISBN 978-94-6239-362-2 (2019)
4. The Existence of Reaction Wood on Branch of Teak Wood (*Tectona grandis* 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/ Symposium, 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/ Symposium, ISSN 2468-5747 ISBN 978-94-6239-362-2 (2019)
6. Patterns of Iron Stain on Gelam Wood (*Melaleuca cajuputi* 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/ Symposium, 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

Academic Career	Doctoral Degree	University	Year
	Faculty of Environment and Natural Resources	Albert-Ludwigs University of Freiburg, Germany	2013
Academic Career	Master Degree	University	Year
	Faculty of Forest and Environmental Sciences	Albert-Ludwigs University of Freiburg, Germany	2004
Academic Career	Undergraduate degree	University	Year
	Faculty of Forestry	Mulawarman University	1997
Employment	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
Research and development projects over the last 5 years	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

**Academic Career**

**Employment**

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



	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 Amount of financing		
	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



<b>Name</b>	Dr. Sutedjo		
<b>Position</b>	Assistant Professor		
<b>Academic Career</b>	Doctoral Degree	University	Year
		Universitaet Hamburg, Germany	1991-1993
	Master Degree	University	Year
<b>Employment</b>	Biology		
	Undergraduate degree	University	Year
	Biology	Gadjah Mada University	1978-1982
<b>Research and development projects over the last 5 years</b>	Position	Employer	Period
	Name of project or research focus	Funding Sources	Period
	Partners, if applicable		
<b>Industry collaborations over the last 5 years</b>	Amount of financing		
	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 (9):		
	1. Inventory of herbs plants at three different locations in forest education of Mulawarman University, Samarinda, East Kalimantan, Penulis: Yasfini 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: Yasfini 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
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**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

Academic Career	Undergraduate degree	University	Year
		Institut Pertanian Bogor	1983

Employment	Position	Employer	Period
	Lecturer	Faculty of Forestry, 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	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 (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, Syahrudin, 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)
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: Syahrudin, 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, Syahrudin, 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, 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)

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

Organization	Role	Periode
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**Name** Dr. Ir. Syahrinudin, M.Sc.

**Position** Assistant Professor

Academic Career	Degree	University	Year
	Doctoral Degree	Universitat Bonn	2005
	Master Degree	Georg August Universitat Zu Gottingen	1997
	Undergraduate degree	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, ZURAIIDA 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: 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)
  4. Biomass And Carbon Distribution On *Imperata cylindrica* Grasslands , Penulis: Syahrudin, 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: Syahrudin, 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, Syahrudin, 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, Syahrudin, 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., Syahrudin, 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: Syahrudin, 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)
  10. Species diversity and estimation of carbon stock in abandoned shrimp pond of mangrove ecosystem in East Kalimantan, Penulis: R Diana, P Matius, Syahrudin, Karyati, M Hendra and R Melsitiara, Nama Seminar/Konferensi/Simposium: International Conference on Sustainable Utilization of Natural Resources 2020, Penyelenggara Seminar/Konferensi/Simposium: Pattimura University, Waktu Pelaksanaan Seminar/Konferensi/ Simposium: 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, Syahrudin, 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, 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** Dr. Ir. Wahjuni Hartati, MP.

**Position** Associate Profesor

Academic Career	Doctoral Degree	University	Year
	Agricultural Science	Hasanuddin University	2008
Academic Career	Master Degree	University	Year
	Forestry Science	Mulawarman University	1998
Academic Career	Undergraduate degree	University	Year
	Agricultural Soil Expertise	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 PNBPN 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**

Partners, if applicable  
Amount of financing  
Project Titles

Partners

Period

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Patents and proprietary rights	Titles	Year
	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 data-bbox="411 459 1426 694">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 data-bbox="411 705 1426 940">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 data-bbox="411 952 1426 1164">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 data-bbox="411 1176 1426 1478">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 data-bbox="411 1489 1426 1702">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 Journal: 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 data-bbox="411 1713 1426 1915">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 data-bbox="411 1926 1426 2031">7. Mineralogical Characterization of Soils In Plantation Forest of East Kalimantan, Indonesia, Author: Paranoan Ria Rachel, Kustiawan Wawan, Marjenah, Hartati Wahjuni, Syahrudin, Sukartiningsih, Sudarmadji Triyono, Journal Name:</li> </ol>	



- RJOAS: Russian Journal of Agricultural and Socio-Economic Sciences, Volume 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: Syahrudin, 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, Syahrudin, 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, Syahrudin, 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, Syahrudin, 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, 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, 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, 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, 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	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)
- 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 specialist bodies over the last 5 years</b>	<b>in</b>	<b>Organization</b>	<b>Role</b>	<b>Periode</b>
		Ecological Society	Member	2008-present
		Population Ecology 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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





	Identifikasi dan Analisa Potensi Pengembangan Ekonomi Desa Berbasis Komoditas Unggulan Lokal Kabupaten Paser	BAPPEDALITBANG Kab. Paser	2023
	Kajian Demplot pilot Project Untuk Pengembangan 5 Produk Unggulan Yang Paling Potensial di Kabupaten Paser	BAPPEDALITBANG 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>Important publications 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** Ali Suhardiman, S.Hut., M.P., Ph.D

**Position** Assistant Professor

Academic Career	Doctoral Degree	University	Year
	Departement of Global Agricultural Science	University of Tokyo	2014

Academic Career	Master Degree	University	Year
	Forestry Sciences	University of Mulawarman	2009

Academic Career	Undergraduate degree	University	Year
	Forest Management	University of Mulawarman	2000

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

Employment	Position	Employer	Period
	Head	Technical Unit for Laboratory of Kalimantan Bioresources - University of Mulawarman (UPT Laboratorium Sumber Daya Hayati Kalimantan – Universitas Mulawarman)	2023 - present

Research and development projects over the last 5 years	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

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

Patents and proprietary rights	Titles	Year
	-	-

Important	Selected recent publications from a total of approx

Patners, if applicable	Amount of financing

Patners, if applicable	Amount of financing

**publications  
over the last 5  
years**

(15):

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):
	<ol style="list-style-type: none"> <li>1. Tumbuhan Kosmetik Tropis: Tradisional vs Ilmiah. Penulis: Kiswanto [Ketua, Editor]. Penerbit: Mulawarman University Press, ISBN: 9786026834423, Tahun Terbit: 2018, Jum. Hal.: 61 (2018)</li> <li>2. Pengantar Manajemen Hutan. Penulis: Kiswanto [Ketua, Editor]. Penerbit: Mulawarman University Press, ISBN: 9786026834843, Tahun Terbit: 2019, Jum. Hal.: 128 (2019)</li> <li>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).</li> </ol>



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
-	-	-



**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

Academic Career	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
	-	-	-

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** 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 crassicaarpa 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 - The Ohio State University	- 2004 - 2012
	- Sains Geodesi	University	
Academic Career	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</li> </ol>



- Kalimantan, Indonesia, Penulis: GK Beyene, 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)
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 Nisha, 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 Nuur Adawiyah, Yunianto 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 Neshia, 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, Yunianto 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.atlantispress.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.atlantispress.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, Siahnenia, 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
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**Name** Dr. Ir. Ibrahim, M.P.  
**Position** Assistant Professor

<b>Academic Career</b>	Doctoral Degree	University	Year
	Master Degree	University	Year
	Undergraduate degree	University	Year

<b>Employment</b>	Position	Employer	Period
	Lecturer	Faculty of Forestry, Mulawarman University	1993-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 Project Titles		

<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>	Titles		Year

**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)

<b>Activities in specialist bodies over the last 5 years</b>	Organization	Role	Periode



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

**Position** Assistant Professor

Academic Career	Doctoral Degree	University	Year
	Biologi Sains	Chulalongkorn University	2019
Academic Career	Master Degree	University	Year
	Faculty of Forestry	Mulawarman University	2013
Academic Career	Undergraduate degree	University	Year
	Faculty of Forestry	Mulawarman University	

Employment	Position	Employer	Period
	Lecturer	Faculty of Forestry, Mulawarman University	2005-present
	Chair of the quality assurance cluster	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	Project Titles	Partners	Period

Patents and proprietary rights	Titles	Year
	Participatory Mapping of Settlement Plans in Long Pahangai II Mahakam Ulu Village.	2020
	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
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<b>Name</b>	Dr. Emi Purwanti, S.Hut, M.Si		
<b>Position</b>	Assistant Professor		
<b>Academic Career</b>	<b>Doctoral Degree</b>	<b>University</b>	<b>Year</b>
	Faculty of Social and Political Sciences	Universitas Indonesia	2019
	<b>Master Degree</b>	<b>University</b>	<b>Year</b>
	School Of Environmental Science	Universitas Indonesia	2010
<b>Employment</b>	<b>Undergraduate degree</b>	<b>University</b>	<b>Year</b>
	Forest Management	Universitas Mulawarman	2001
	<b>Position</b>	<b>Employer</b>	<b>Period</b>
	Assistant Professor	Faculty of Forestry Universitas Mulawarman	2005-present
<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>
	Partners, if applicable		
<b>Industry collaborations over the last 5 years</b>	<b>Amount of financing</b>		
	<b>Project Titles</b>	<b>Partners</b>	<b>Period</b>
<b>Patents and proprietary rights</b>	<b>Titles</b>		<b>Year</b>
<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
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