

**LABORATORY OF FOREST PRODUCTS CHEMISTRY
AND RENEWABLE ENERGY
FACULTY OF FORESTRY MULAWARMAN UNIVERSITY**

PROTOKOL 001A



STANDARD OPERATING PROCEDURE		
Merk: YENACO	Tipe:	Date :
Title: How to Use Portable Electronic Balance		Created by:
		File:

1. OBJECTIVE

To provide guidelines for the proper, effective, and efficient use of Portable Electronic balance instrument.

2. PRINCIPLE

Electrical balance is a device that assists in the weighing of samples.

3. REQUIRED EQUIPMENT

Lab coat, safety glasses, clean disposal glove, tissue paper.

4. PROCEDURE

4.1. EQUIPMENT SETUP

- 4.1.1 Connect the cable from Electronic balance to a power source.
- 4.1.2 Place the small, lightweight sample container.

4.2. USING ELECTRICAL BALANCE

- 4.2.1 Press (On/Off) key
- 4.2.2 Warm up time :
- 4.2.3 Instance Basic weighing (The machine was warm up).
Step Explanation
 - 1) Zero stable
 - 2) Put container on weighting pan
 - 3) Press tare key for tare the container weight
 - 4) Put sample in container.

4.3. DISCONTINUING THE USE OF THE ELECTRICAL BALANCE

- 4.3.1 When not in use, turn off the electronic balance and disconnect the instrument's power cord from the outlet.
- 4.3.2 Clean the work area and parts of the electrical balance with a tissue.

4.4. ATTENTION

- 4.4.1 For making sure the weighting result correct, different type machine need different warm up time to reach the required operating temperature, please refer the specification list to know the correct warm up time.
- 4.4.2 Before and after use, the work area and the electronic balance device must always be kept clean.

Version: 06 - 2024
Validated by: