

Calibrated Firefly Light Measurement Data Sheet

: Firefly #1

General Information

Date : 4/12/2025

Time : 01.50 am

Location (City/Region) : Sungai Petani, Kedah, Malaysia

Approx. Temperature : 27 C

Lux Meter Model : Digital Lux Model

LED/Light Source Model : COB Rechargeable Keychain Light (Not Use)

Experimenter Name : Muhammad Naqiudeen Yunus

Firefly Data Summary

Total Fireflies Tested : 1

Distances Used : 10 cm and 2–3 cm from sensor

Lux Readings per Distance : 10–20 flashes (record maximum per flash)

Distance: 10 cm

Flash No.	Peak Lux Value	Notes (e.g., brightness pattern)
1	0.0	too dim for the sensor to register.
2	0.0	too dim for the sensor to register.
3	0.0	too dim for the sensor to register.
4	0.0	too dim for the sensor to register.
5	0.0	too dim for the sensor to register.
6	0.0	too dim for the sensor to register.
7	0.0	too dim for the sensor to register.
8	0.0	too dim for the sensor to register.
9	0.0	too dim for the sensor to register.
10	0.0	too dim for the sensor to register.

Distance: 2–3 cm

Flash No.	Peak Lux Value	Notes
1	0.1	Very faint glow visible; steady but extremely weak.
2	0.0	Glow briefly flickered, but too dim for the sensor to register.
3	0.3	Short pulse of brighter glow detected — likely the clearest flash so far.
4	0.0	Glow became very weak again, below sensor threshold.
5	0.1	Faint but consistent glow; still on the low end.
6	0.1	Similar to the previous reading — weak but detectable.
7	0.2	A slightly stronger glow compared to earlier faint readings.
8	0.1	Returned to a very soft glow; detectable but minimal.
9	0.0	Momentary dimming; glow too soft to measure.
10	0.0	No measurable glow during the reading window.



TEST 1 (2.16AM)



TEST 2 (2.19AM)



TEST 3 (2.22AM)



TEST 4 (2.25AM)



TEST 5 (2.30AM)



TEST 6 (2.33AM)



TEST 7 (2.35AM)



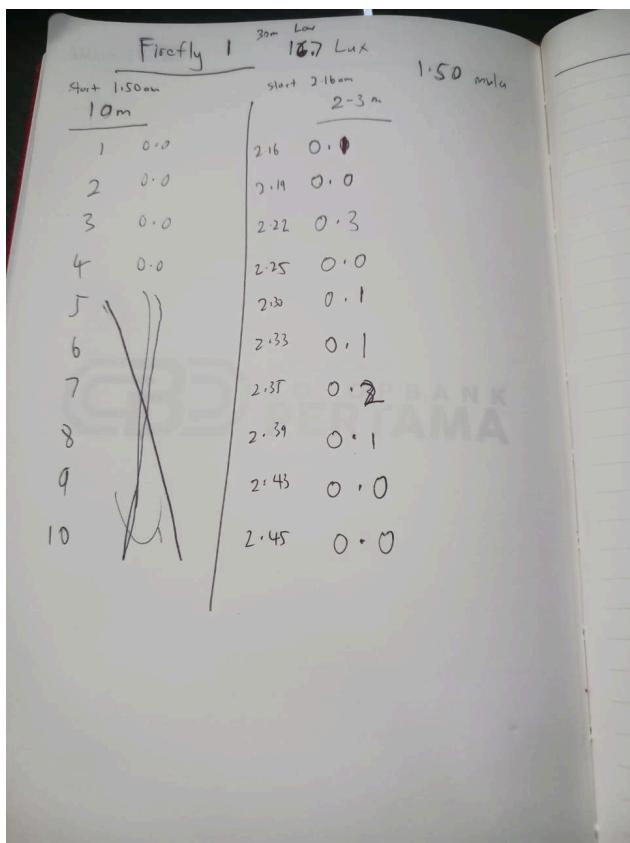
TEST 8 (2.39AM)



TEST 9 (2.43AM)



TEST 10 (2.45AM)



Result