



DR. SHAHINO MAH BIN ABDULLAH

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Address: Fakulti Sains Dan
Teknologi

SUPERVISION

PhD - Completed: 0, Ongoing: 1

Master - Completed: 1, Ongoing:
10

AREAS OF EXPERTISE

Semiconductor Materials And Devices Physics

Principles Of Solar Cells And Devices

Solid State And Polymer Electrolyte Physics

BIOGRAPHY

A lecturer from Fakulti Sains Dan Teknologi. Holds a Phd in Fizik.

ACADEMIC QUALIFICATION

Phd in Fizik (2015)

Bachelor in Fizik (2011)

RESEARCH

1. SYNTHESIS OF NARROW ENERGY BAND GAP
TRIISOPROPYLSILYLETHYNYL-PENTACENE DERIVATIVES TO
ENHANCE CHARGE CARRIER TRANSPORT OF THE ORGANIC FIELD-
EFFECT TRANSISTOR (OFET) BASED BIOSENSORS

2024

ON GOING

MAIN RESEARCHER

2. ENERGY BAND GAP MODIFICATION OF SEMICONDUCTING
POLYMERS TO ENHANCE CHARGE CARRIER TRANSPORT OF THE
FIELD-EFFECT TRANSISTOR BIOSENSOR FOR RAPID ARTIFICIAL
INTELLIGENCE OF THINGS (AIOT) MONITORING

2023

ON GOING

MAIN RESEARCHER

PUBLICATION

1. FACILE FABRICATION OF A LOW-COST ELECTROCHEMICAL TEMPERATURE SENSOR

2024 CHAPTER IN BOOK

2. THE POST-PANDEMIC IMPACT ON NATURE AND THE NEED FOR SUSTAINABLE RECOVERY STRATEGIES

2022 JOURNAL

3. CHALLENGES OF A CIRCULAR ECONOMY FOR POST-PANDEMIC ENVIRONMENTAL RECOVERY

2022 JOURNAL

AWARDS/RECOGNITION

1. MULTI-CLASS CLASSIFICATION OF BRAIN CONDITIONS FROM USING MACHINE LEARNING

2026 Antarabangsa Silver

2. PEROVSKITE SOLAR CELL WITH FACILE FABRICATION FOR AMBIENT ENERGY HARVESTING

2026 Antarabangsa Gold

3. BIOSPECTRO APPS: SPECTROPHOTOMETER APPLICATION FOR WATER MONITORING BASED ON DETECTION OF CHANGES IN WAVELENGTH

2026 Antarabangsa Silver

4. PORTABLE SMART SOLAR TRACKER WITH IOT-BASED REAL-TIME ENERGY MONITORING FOR EMERGENCY APPLICATIONS

2026 Antarabangsa Gold

5. ANUGERAH PERKHIDMATAN CEMERLANG

2025 UNIVERSITY