



IR. DR. NUR HAZIRAH BINTI ZAINI

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Kejuruteraan Dan Alam Bina

SUPERVISION

PhD - Completed: 1, Ongoing: 0

Master - Completed: 0, Ongoing: 1

AREAS OF EXPERTISE

Electrical Power Generation And Supply

Renewable Energy

Solar Energy Technology

High Voltage

BIOGRAPHY

A lecturer from Fakulti Kejuruteraan Dan Alam Bina. Holds a Phd in Electrical Power.

ACADEMIC QUALIFICATION

Phd in Electrical Power (2019)

Master in Pengurusan Kejuruteraan (2014)

Bachelor in Elektrik Dan Elektronik (2008)

RESEARCH

1. THE IMPACT OF LIGHTNING STRIKES ON ELECTRIC VEHICLES
INTEGRATED WITH SOLAR PV SYSTEMS FOR SUSTAINABLE
ENERGY SOLUTION

2024

ON GOING

MAIN RESEARCHER

PUBLICATION

1. LIGHTNING SURGE ON THE DC AND AC SIDE OF SOLAR PV SYSTEM

2019 PROCEEDING

2. ON THE EFFECT OF SURGE PROTECTION DEVICES (SPDS) PLACEMENT FOR GRID-CONNECTED SOLAR PV FARM

2018 PROCEEDING

3. TEMPERATURE EFFECT ON THE ELECTRICAL PERFORMANCE OF POLY-CRYSTALLINE SOLAR PV PANEL

2015 PROCEEDING

4. THE EFFECT OF TEMPERATURE ON A MONO-CRYSTALLINE SOLAR PV PANEL

2015 PROCEEDING

CONSULTATION/ADULATION

1. TNB/QA/BHG.1/PC/N/22/0422 LOW VOLTAGE POLE CAPACITOR (RASTECH)

2023 NATIONAL TNB LAB SDN BHD

2. IPC FOR CONNECTION OF LV CABLE FOR TEKNOBUMI SDN BHD

2022 NATIONAL TNB LABS SDN BHD

3. CENTERED PALM SHEAR BOLT TYPE MECHANICAL TERMINATION LUG FOR MV CABLE TERMINATION

2022 NATIONAL TNB LABS SDN BHD

4. SHEAR BOLTS TYPE MECHANICAL CONNECTOR FOR ALUMINIUM CONDUCTOR OF XLPE INSULATED CABLE JOINTS IN DISTRIBUTION DIVISION, TNB.

2022 NATIONAL TNB LABS SDN BHD

5. OFFSET PALM SHEAR BOLT TYPE MECHANICAL TERMINATION LUG FOR CABLE TERMINATION

2022 NATIONAL TNB LABS SDN BHD

AWARDS/RECOGNITION

1. BONZE MEDAL IN CONJUNCTION WITH IIUM RESEARCH & INNOVATION DAY 2024- PAPER ID 356

2024 INTERNATIONAL

2. BONZE MEDAL IN CONJUNCTION WITH IIUM RESEARCH & INNOVATION DAY 2024 - PAPER ID 359

2024 INTERNATIONAL

3. INVESTIGATION OF LIGHTNING ELECTROMAGNETIC FIELDS ON THE DISTRIBUTION POWER LINES CLOSE TO THE LINE CORRIDOR TOWERS

2024 Antarabangsa Best paper award

4. MOST PROMISING AWARD (IPTA/IPTS/ILK/KV) IN PERTANDINGAN INOVASI HALAL NASIONAL 2023 (PIHAN'23)

2023 UNIVERSITY

5. CONCEPTUAL MODELLING FOR RECYCLING CO2 EMISSION WITH FLEXIBLE THIN FILM SOLAR

