



IR. TS. DR. NORHIDAYU BINTI RAMELI

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CONTACT

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Address: Fakulti
Kejuruteraan Dan Alam Bina

SUPERVISION

PhD - Completed: 1, Ongoing: 0

Master - Completed: 0, Ongoing: 0

AREAS OF EXPERTISE

Electric Discharges

Electrical Power Generation And Supply

High Voltage

Power System

BIOGRAPHY

A lecturer from Fakulti Kejuruteraan Dan Alam Bina. Holds a Phd in Kejuruteraan Elektrik Kuasa.

ACADEMIC QUALIFICATION

Phd in Kejuruteraan Elektrik Kuasa (2017)

Master in Kejuruteraan Elektrik Kuasa (2013)

Bachelor in Kejuruteraan Elektrik Kuasa (2010)

RESEARCH

1. INVESTIGATION OF INDUCED VOLTAGE ON UNDERGROUND TRANSMISSION CABLES WITHIN LINE CORRIDORS FOR URBAN PLANNING.

2021

COMPLETED

MAIN RESEARCHER

PUBLICATION

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

2024 PROCEEDING

2. EFFECTS OF LIGHTNING ELECTROMAGNETIC FIELD DUE TO LIGHTNING STRIKES ON A TALL STRUCTURE

2023 JOURNAL

3. LIGHTNING-INDUCED VOLTAGE ON DISTRIBUTION LINE DUE TO INCLINED LIGHTNING CHANNEL

2018 BOOK

4. VARIATIONS IN RETURN STROKE VELOCITY AND ITS EFFECT ON THE RETURN STROKE CURRENT ALONG LIGHTNING CHANNEL

2016 PROCEEDING

5. EFFECT OF SOIL RESISTIVITY ON MAGNETIC FIELD IN THE CASE OF LIGHTNING STRIKE TO A TALL STRUCTURE

2016 PROCEEDING

6. EFFECT OF THE GROUNDING SYSTEM ARRANGEMENT ON THE LIGHTNING CURRENT ALONG TALL STRUCTURES

2014 PROCEEDING

7. EVALUATION OF LIGHTNING INDUCED OVER-VOLTAGE DUE TO VARIATIONS OF CHANNEL ANGLE

2013 PROCEEDING

8. ON THE INFLUENCE OF INCLINED LIGHTNING CHANNEL ON LIGHTNING INDUCED VOLTAGE EVALUATION

2012 PROCEEDING

CONSULTATION/ADULATION

1. PENILAIAN TEKNIKAL SIJIL GUNA PAKAI BAGI LIMA PRODUK FEEDER PILLAR

2023 NATIONAL TNB LABS SDN BHD

2. LOW VOLTAGE HRC BLADE CONTACT TYPE

2022 UNIVERSITY TNB LABS SDN BHD

3. BATTERY STORAGE MANAGEMENT SYSTEM (BSMS) AND TECHNICAL KNOWLEDGE

2021 UNIVERSITY TECHNOPRENEUR UNIMAP SDN BHD (TUSB)

4. Penilaian Teknikal Sijil Guna Pakai bagi Dua Product Feeder Pillar

Others TNB Labs Sdn Bhd

AWARDS/RECOGNITION

1. ANUGERAH PERKHIDMATAN CEMERLANG

2025 UNIVERSITY

2. FEASIBILITY STUDY OF HYBRID RENEWABLE ENERGY SYSTEM (HRES) FOR SUSTAINABLE COMMUNITIES DEVELOPMENT

2025 Kebangsaan Gold

3. INVESTIGATION OF ELECTRICAL EARTHING HAZARDOUS VOLTAGE AT SEREMBAN, NEGERI SEMBILAN

2025 Kebangsaan Gold

4. BEST PROJECT AWARD OF FINAL YEAR PROJECT

2024 UNIVERSITY

5. FINAL YEAR PROJECT & POSTGRADUATE: RESEARCH & INNOVATION POSTER COMPETITION (RIPC) 2024/ GOLD AWARD

2024 UNIVERSITY