Profile Image

IR. TS. DR. NORHIDAYU BINTI RAMELI

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CONTACT

PHONE

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FACULTY

Fakulti Kejuruteraan Dan Alam Bina

SUPERVISION

	COMPLETED	ONGOING
PhD	1	0
Master	0	0

AREAS OF EXPERTISE

- High Voltage
- Electrical Power System
- Electrical Power Generation And Supply

ACADEMIC QUALIFICATION

- 2017 **PhD** - Kejuruteraan Elektrik Kuasa
- 2013 **Master** - Kejuruteraan Elektrik Kuasa
- 2010 **Bachelor** - Kejuruteraan Elektrik Kuasa

RESEARCH

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

2021 | GERAN KPT | COMPLETED | MAIN RESEARCHER

PUBLICATION

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

2024 IEEE 4TH INTERNATIONAL CONFERENCE IN POWER ENGINEERING APPLICATIONS (ICPEA)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

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

JOURNAL OF ELECTRICAL & ELECTRONIC SYSTEMS RESEARCH (JEESR)

2023 JOURNAL MYCITE MAIN AUTHOR

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

2018 BOOK MAIN AUTHOR

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

INTERNATIONAL CONFERENCE ON LIGHTNING PROTECTION (ICLP)

2016 PROCEEDING NON-INDEX MAIN AUTHOR

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

INTERNATIONAL CONFERENCE ON LIGHTNING PROTECTION (ICLP)

2016 PROCEEDING NON-INDEX MAIN AUTHOR

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

INTERNATIONAL CONFERENCE ON LIGHTNING PROTECTION (ICLP),

2014 PROCEEDING NON-INDEX MAIN AUTHOR

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

2013 IEEE 7TH INTERNATIONAL POWER ENGINEERING AND OPTIMIZATION CONFERENCE (PEOCO 2013)

2013 PROCEEDING NON-INDEX MAIN AUTHOR

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

2012 INTERNATIONAL CONFERENCE ON LIGHTNING PROTECTION

2012 PROCEEDING NON-INDEX MAIN AUTHOR

CONSULTATION

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

TNB LABS SDN BHD

2023 NATIONAL

2. LOW VOLTAGE HRC BLADE CONTACT TYPE

TNB LABS SDN BHD

2022 UNIVERSITY

CONSULTATION

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

TECHNOPRENEUR UNIMAP SDN BHD (TUSB)

2021 UNIVERSITY

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

TNB Labs Sdn Bhd

Others

AWARDS/RECOGNITION

1. ANUGERAH PERKHIDMATAN CEMERLANG

2025 UNIVERSITY

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

Final Year Project & Postgraduate (FYPP): Research & Innovation Poster Competition 2025

2025 KEBANGSAAN GOLD

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

Final Year Project & Postgraduate (FYPP): Research & Innovation Poster Competition 2025

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