



## IR. TS. DR. NORHIDAYU BINTI RAMELI

PENSYARAH UNIVERSITI DS13

### CONTACT

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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

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

2021

COMPLETED

MAIN RESEARCHER

## PUBLICATION

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### 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

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### 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

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### 1. BEST PROJECT AWARD OF FINAL YEAR PROJECT

2024 UNIVERSITY

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

2024

UNIVERSITY

### 3. IIUM RESEARCH & INNOVATION DAY 2024/ BRONZE AWARD

2024

UNIVERSITY

### 4. IIUM RESEARCH & INNOVATION DAY 2024/ BRONZE AWARD

2024

UNIVERSITY

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

2024

Antarabangsa

Best paper award