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Faculty: Fakulti

Kejuruteraan Dan Alam

Bina

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0, Ongoing: 0

AREAS OF EXPERTISE

Electrical Power System

High Voltage

Energy Management And Audit

ACADEMIC QUALIFICATION

PhD in Kejuruteraan - Kejuruteraan (2023)

Master in Kejuruteraan - Kejuruteraan Elektrik Kuasa (2017)

Bachelor in Kejuruteraan - Electrical And Electronic Engineering (2013)

RESEARCH

1. DEVELOPING A FUNDAMENTAL FRAMEWORK FOR AI-BASED TRANSFORMER FAULT DIAGNOSIS USING DISSOLVED GAS ANALYSIS

2026 GERAN PENYELIDIKAN FUNDAMENTAL ON GOING CO-RESEARCHER

2. INVESTIGATION OF THE IMPACT OF CORROSIVE SULFUR ON THE DIELECTRIC PERFORMANCE OF SUSTAINABLE ESTER-BASED TRANSFORMER OILS

2026 GERAN PENYELIDIKAN FUNDAMENTAL ON GOING MAIN RESEARCHER

3. INTEGRATING BATTERY MONITORING SYSTEM WITH THE STATE-OF-HEALTH METRIC AT JAYALAX RESOURCES

2025 GERAN PENYELIDIKAN INDUSTRI ON GOING CO-RESEARCHER

PUBLICATION

1. A SURVEY OF DATA-DRIVEN APPROACHES FOR BATTERY STATE-OF-HEALTH ESTIMATION

2025 INTERNATIONAL CONFERENCE ON SCIENCE, BUILT ENVIRONMENT AND ENGINEERING, HELD FROM AUGUST 20-21, 2025

2025 PROCEEDING NON-INDEX CO-AUTHOR

2. ISSUES AND CHALLENGES IN VOLTAGE UPGRATING FOR SUSTAINABLE POWER OPERATION: A CASE STUDY OF A 132 KV TRANSMISSION LINE SYSTEM IN MALAYSIA

SUSTAINABILITY

2021 JOURNAL INDEXED BY ERA MAIN AUTHOR

3. THE BEHAVIOR OF POLYURETHANE FOAM-FILLED GLASS-FIBER-REINFORCED POLYMER CROSSARM SUBJECTED TO LIGHTNING TRANSIENT VOLTAGE MATERIALS

2021 JOURNAL INDEXED BY ERA CO-AUTHOR

4. INVESTIGATION OF INSULATION CHARACTERISTICS OF GFRP CROSSARM SUBJECTED TO LIGHTNING TRANSIENT

ENERGIES

2021 JOURNAL INDEXED BY SCOPUS CO-AUTHOR

5. SYSTEMATIC APPROACHES AND ANALYSES ON VOLTAGE UPGRATING OF 132 KV TRANSMISSION LINES: A CASE STUDY IN MALAYSIA

APPLIED SCIENCES-BASEL

2021 JOURNAL INDEXED BY ISI MAIN AUTHOR

6. EFFECTS OF A CROSSARM BRACE APPLICATION ON A 275 KV FIBERGLASS-REINFORCED POLYMER CROSSARM SUBJECTED TO A LIGHTNING IMPULSE ENERGIES

2020 JOURNAL INDEXED BY SCOPUS CO-AUTHOR

7. REVIEW OF THERMAL STRESS AND CONDITION MONITORING TECHNOLOGIES FOR OVERHEAD TRANSMISSION LINES: ISSUES AND CHALLENGES

IEEE ACCESS

2020 JOURNAL INDEXED BY SCOPUS CO-AUTHOR

8. INVESTIGATION ON THE ELECTRICAL PROPERTIES OF PALM OIL AND COCONUT OIL BASED TiO₂ NANOFUIDS

IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION

2017 JOURNAL INDEXED BY ERA MAIN AUTHOR

9. A STUDY ON THE AC BREAKDOWN VOLTAGES OF AS-RECEIVED PALM OIL AND COCONUT OIL UNDER PRESENCE OF TiO₂

2015 IEEE CONFERENCE ON ENERGY CONVERSION (CENCON)

2015 PROCEEDING SCOPUS MAIN AUTHOR

