DR. NUR SABRINA BINTI SUHAIMI

PENSYARAH UNIVERSITI DS13

CONTACT

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Address: Fakulti Kejuruteraan Dan Alam Bina

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0, Ongoing: 0

AREAS OF EXPERTISE

High Voltage

Electrical Power System

Electrical Power Generation And Supply

BIOGRAPHY

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

ACADEMIC QUALIFICATION

Phd in Kejuruteraan Elektrik Dan Elektronik (2021)

Master in Kejuruteraan Elektrik Dan Elektronik (2017)

Bachelor in Kejuruteraan Elektrik (2014)

RESEARCH

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

2026 ON GOING MAIN RESEARCHER

PUBLICATION

1. PERFORMANCE EVALUATION OF NATURAL ESTER OILS AS SUSTAINABLE DIELECTRIC FLUIDS FOR TRANSFORMERS: AI ENHANCED STATISTICAL ANALYSIS

2024 JOURNAL

2. DISSOLVED GASES ANALYSIS OF RICE BRAN OIL UNDER THERMAL FAULT FOR TRANSFORMER APPLICATION

2023 PROCEEDING

3. DISSOLVED GASES ANALYSIS COMPARISON OF ELECTRICAL FAULTS BETWEEN RICE BRAN OIL AND MINERAL OIL INSULATION SYSTEMS

2023 PROCEEDING

4. RAMAN SPECTROSCOPY CHARACTERIZATION OF MINERAL OIL AND PALM OIL WITH ADDED MULTI-WALLED CARBON NANOTUBE FOR APPLICATION IN OIL-FILLED TRANSFORMERS

2022 JOURNAL

5. PERFORMANCE AND LIMITATION OF MINERAL OIL-BASED CARBON NANOTUBES NANOFLUID IN TRANSFORMER APPLICATION

2022 JOURNAL

6. ELECTRICAL PROPERTIES AND RAMAN SCATTERING OF PALM OIL BASED CARBON NANOTUBE

2022 JOURNAL

7. A REVIEW ON PALM OIL-BASED NANOFLUIDS AS A FUTURE RESOURCE FOR GREEN TRANSFORMER

2022 JOURNAL

8. SYSTEMATICAL STUDY OF MULTIWALLED CARBON NANOTUBE NANOFLUIDS BASED DISPOSED TRANSFORMER OIL

2020 JOURNAL

9. OPTIMUM ELECTRICAL AND DIELECTRIC PERFORMANCE OF MULTI-WALLED CARBON NANOTUBES DOPED DISPOSED TRANSFORMER OIL

2020 JOURNAL

10. A REVIEW ON OIL-BASED NANOFLUID AS NEXT-GENERATION INSULATION FOR TRANSFORMER APPLICATION

2020 JOURNAL

11. STATISTICAL ANALYSIS ON AC BREAKDOWN VOLTAGE OF CNT NANOFLUID WITH MINERAL OIL AND PALM OIL

2018 PROCEEDING

12. INVESTIGATION ON BREAKDOWN STRENGTH OF MINERAL OIL-BASED CARBON NANOTUBE

2016 PROCEEDING

AWARDS/RECOGNITION

1. 1ST PLACE IN NETBALL

2025 UNIVERSITY

2. SIMULATION STUDY ON THE RELIABILITY OF PALM OIL-BASED TRANSFORMER UNDER ELECTRICAL FAULT CONDITION

2025 Antarabangsa Silver

3. AI-DRIVEN ANALYSIS OF DISSOLVED GAS DATA FOR TRANSFORMER FAULT DETECTION

2025 Antarabangsa Silver

4. THERMAL AGING SIMULATION OF PALM OIL BASED TRANSFORMER INSULATION MATERIAL

2025 Antarabangsa Bronze

5. REBAN PINTAR - THE AUTONOMOUS AND SUSTAINABLE SMART CHICKEN COOP SYSTEM

2025 Antarabangsa Silver