

Profile Image

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PENSYARAH UNIVERSITI DS13

CONTACT

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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 Generation And Supply

Nano Materials

Nanotechnology

High Voltage

ACADEMIC QUALIFICATION

PhD in Kejuruteraan Elektrik Dan Elektronik (2021)

Master in Kejuruteraan Elektrik Dan Elektronik (2017)

Bachelor in Kejuruteraan Elektrik (2014)

RESEARCH

1. ADVANCING BATTERY MONITORING SYSTEM WITH STATE-OF-
HEALTH METRIC AT JAYALAX RESOURCES

2025

GERAN KPT

ON GOING

CO-RESEARCHER

PUBLICATION

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

IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION

2024 JOURNAL ERA MAIN AUTHOR

2. INVESTIGATIONS ON THE SUITABILITY OF NON-WOOD KENAF BAST FIBER AS AN ALTERNATIVE FOR MAKING INSULATING PRESSPAPER FOR TRANSFORMERS

IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION

2024 JOURNAL ERA CO-AUTHOR

3. CELLULOSE PARTICLES EFFECT ON THE ELECTRICAL FIELD DISTRIBUTION BETWEEN PALM OIL AND MINERAL OIL INSULATION SYSTEMS

2022 IEEE INTERNATIONAL CONFERENCE ON POWER AND ENERGY (PECON)

2024 PROCEEDING SCOPUS CO-AUTHOR

4. ANALYSIS OF ELECTRIC FIELD ON OVERHEAD DISTRIBUTION LINE DUE TO LIGHTNING STRIKE

2024 POSTGRADUATE AND INDUSTRY RESEARCH COLLOQUIUM (PIRC)

2024 PROCEEDING NON-INDEX CO-AUTHOR

5. PALM OIL AS A TRANSFORMER INSULATING FLUID: A REVIEW

2024 POSTGRADUATE AND INDUSTRY RESEARCH COLLOQUIUM (PIRC)

2024 PROCEEDING NON-INDEX CO-AUTHOR

6. DELAY OPTIMIZATION OF WI-FI MESH IN NEIGHBOURHOOD AREA NETWORK USING DEEP REINFORCEMENT LEARNING

2024 IEEE INTERNATIONAL CONFERENCE ON ADVANCED TELECOMMUNICATION AND NETWORKING TECHNOLOGIES (ATNT)

2024 PROCEEDING SCOPUS CORRESPONDING AUTHOR

7. THERMAL AGING EFFECTS ON THE ELECTRICAL BREAKDOWN VOLTAGE OF TIO₂ AND MWCNT NANOFLUIDS BASED ON POME

IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION

2023 JOURNAL ERA CO-AUTHOR

8. INVESTIGATION OF IMPULSE VOLTAGE ON THE THERMALLY-AGED EMPTY FRUIT BUNCHES (EFB) FIBER PAPER IMMERSSED IN TRANSFORMER OIL

2022 IEEE INTERNATIONAL CONFERENCE ON POWER AND ENERGY (PECON)

2023 PROCEEDING SCOPUS CO-AUTHOR

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

2022 IEEE INTERNATIONAL CONFERENCE ON POWER AND ENERGY (PECON)

2023 PROCEEDING SCOPUS MAIN AUTHOR

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

2022 INTERNATIONAL CONFERENCE ON POWER AND ENERGY (PECON)

2023 PROCEEDING NON-INDEX MAIN AUTHOR

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

2022 JOURNAL ERA MAIN AUTHOR

12. THE EFFECT OF ANNEALING TEMPERATURES OF THE PHASE TRANSITION AND STRUCTURAL PROPERTIES OF MNCO₂ COMPOUNDS

KEY ENGINEERING MATERIALS

2022 JOURNAL SCOPUS AND ERA CO-AUTHOR

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

AEJ - ALEXANDRIA ENGINEERING JOURNAL

2022 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

14. ELECTRICAL PROPERTIES OF PALM OIL AND RICE BRAN OIL UNDER AC STRESS FOR TRANSFORMER APPLICATION

AEJ - ALEXANDRIA ENGINEERING JOURNAL

2022 JOURNAL SCOPUS CO-AUTHOR

15. STRUCTURAL BEHAVIOUR AND ELECTRICAL PROPERTIES OF A BALL MILLED MNCOG COMPOUNDS

KEY ENGINEERING MATERIALS

2022 JOURNAL SCOPUS AND ERA CO-AUTHOR

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

KEY ENGINEERING MATERIALS

2022 JOURNAL SCOPUS AND ERA MAIN AUTHOR

17. INVESTIGATIONS OF THE APPLICABILITY OF OIL-PALM EMPTY FRUIT BUNCH AS PAPER INSULATION IN TRANSFORMERS

IEEE ACCESS

2022 JOURNAL ISI CO-AUTHOR

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

IEEE ACCESS

2022 JOURNAL ISI MAIN AUTHOR

19. THE CRITICAL BEHAVIOUR AND MAGNETISM OF MNCOG_{0.97}Al_{0.03} COMPOUNDS

CRYSTALS

2022 JOURNAL ISI CO-AUTHOR

20. INVESTIGATION ON THE DIELECTRIC PROPERTIES OF PALM OIL WITH SILICON CARBIDE DOPING FOR TRANSFORMER APPLICATION

SOLID STATE PHENOMENA

2021 JOURNAL ERA CO-AUTHOR

21. MAGNETIC PROPERTIES AND MAGNETOCALORIC EFFECT OF MNCOAL COMPOUND

INTERNATIONAL JOURNAL OF NANO ELECTRONICS AND MATERIALS

2021 JOURNAL SCOPUS CO-AUTHOR

22. LIGHTNING IMPULSE BREAKDOWN VOLTAGE OF RICE BRAN OIL FOR TRANSFORMER APPLICATION ENERGIES

2021 JOURNAL ERA CO-AUTHOR

23. MAGNETISM AND THERMOMECHANICAL PROPERTIES IN SI SUBSTITUTED MNCOG COMPOUNDS

CRYSTALS

2021 JOURNAL ISI CO-AUTHOR

24. SYSTEMATICAL STUDY OF MULTIWALLED CARBON NANOTUBE NANOFLUIDS BASED DISPOSED TRANSFORMER OIL SCIENTIFIC REPORTS

2020 JOURNAL SCOPUS AND ERA MAIN AUTHOR

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

ENERGIES

2020 JOURNAL ERA MAIN AUTHOR

26. A REVIEW ON OIL-BASED NANOFLUID AS NEXT-GENERATION INSULATION FOR TRANSFORMER APPLICATION JOURNAL OF NANOMATERIALS

2020 JOURNAL ERA MAIN AUTHOR

PUBLICATION

27. ELECTRICAL PERFORMANCE OF PALM OIL AND RICE BRAN OIL AS TRANSFORMER INSULATING LIQUID.

INTERNATIONAL JOURNAL OF ENGINEERING AND TECHNOLOGY

2018

JOURNAL

ERA

CO-AUTHOR

28. STRUCTURE ANALYSIS USING XRD REFINEMENT FOR REPLACEMENT OF COPPER (CU) WITH MANGANESE (MN) IN NDMN₂SI₂ COMPOUND

AIP CONFERENCE PROCEEDING

2018

PROCEEDING

SCOPUS

CO-AUTHOR

29. STATISTICAL ANALYSIS ON AC BREAKDOWN VOLTAGE OF CNT NANOFUID WITH MINERAL OIL AND PALM OIL

2018 IEEE 7TH INTERNATIONAL CONFERENCE ON POWER AND ENERGY (PECON)

2018

PROCEEDING

SCOPUS

MAIN AUTHOR

30. DIELECTRIC PROPERTIES OF NATURAL ESTER OILS USED FOR TRANSFORMER APPLICATION UNDER TEMPERATURE VARIATION

2016 IEEE INTERNATIONAL CONFERENCE ON POWER AND ENERGY (PECON)

2016

PROCEEDING

SCOPUS

CO-AUTHOR

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

IEEE 6TH INTERNATIONAL CONFERENCE ON POWER AND ENERGY (PECON)

2016

PROCEEDING

SCOPUS

MAIN AUTHOR

