DR. FADZIDAH BINTI MOHD IDRIS

PENSYARAH UNIVERSITI DS13

CONTACT

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Address: Kolej Permata Insan

SUPERVISION

PhD - Completed: 0, Ongoing: 1

Master - Completed: 0, Ongoing: 1

AREAS OF EXPERTISE

Nano Structured Materials

Magnetic Material Physics

Polymer-based Composites

BIOGRAPHY

A lecturer from Kolej Permata Insan. Holds a Phd in Nanoteknologi.

ACADEMIC QUALIFICATION

Phd in Nanoteknologi (2017)

Master in Bahan Dan Teknologi Nano (2013)

Bachelor in Sains Bahan (2010)

RESEARCH

1. ELECTROMAGNETIC WAVE ABSORPTION MECHANISM OF HYBRID NANO-COMPOSITE-3D

2020 COMPLETED MAIN RESEARCHER

2. LOW COST 3D PRINTED HONEYCOMB-TERMINALIA CATAPPA FRUIT SHELLS COMPOSITES AS AN ABSORBING MATERIALS IN REDUCING ELECTROMAGNETIC INTERFERENCE POLLUTION

2020 COMPLETED MAIN RESEARCHER

PUBLICATION

1. ELECTROMAGNETIC WAVE ABSORPTION PERFORMANCE OF NI0.7ZN0.3FE2O4/ZEOLITE/ CNT-EPOXY POLYMER MATRIX AT DIFFERENT THICKNESS

2025 JOURNAL

2. DESIGNING 3D PRINTED ELECTROMAGNETIC WAVE ABSORBER

2025 JOURNAL

3. POLISI PENGAJARAN DAN PEMBELAJARAN KOLEJ PERMATA INSAN

2025 POLICY

4. PENTAKSIRAN PENDIDIKAN PINTAR DAN BERBAKAT INTEGRASI NAQLI DAN AQLI (IGED)

2024 JOURNAL

5. A CASE STUDY: THE SECONDARY STUDENTS OVERALL SATISFACTION ON ONLINE LEARNING

2024 JOURNAL

6. TRANSFORMING ENVIRONMENTAL EXPLORATION INTO 3D OBJECTS AND UNLOCKING THE WISDOM OF AL-QURAN KNOWLEDGE

2024 CHAPTER IN BOOK

7. EMBARKING ON THE 3D MODELLING JOURNEY: CREATING MY FIRST DESIGN

2024 CHAPTER IN BOOK

8. INNOVATION UNVEILED: PRESENTING MY INVENTIVE MODEL IN THE PROJECT REPORT

2024 CHAPTER IN BOOK

9. PENGGUNAAN PENGIMEJAN RESONANS MAGNETIK(MRI) SEBAGAI INTERVENSI ALTERNATIF KEPADA MEREKA YANG MEMPUNYAI MASALAH DYSARTHRIA UNTUK MEMBACA AL-QURAN

2023 JOURNAL

10. MATERIALS? CHARACTERIZATION AND PROPERTIES OF MULTIWALLED CARBON NANOTUBES FROM INDUSTRIAL WASTE AS ELECTROMAGNETIC WAVE ABSORBER

2022 JOURNAL

11. ELECTROMAGNETIC WAVE REDUCTION OF MULTIWALLED CARBON NANOTUBES (MWCNT) MIXED NANOMETER COFE2O4 AT HIGHER FREQUENCY RANGE

2022 JOURNAL

12. ELECTROMAGNETIC WAVE ABSORPTION PERFORMANCE OF CARBON NANOCOILS BY USING MIXED FERRITES AS CATALYST

2022 JOURNAL

13. PHYCISC (CONCEPTUALIZATION ENRICHMENT, UNDERSTANDING ENRICHMENT)

2022 CHAPTER IN BOOK

14. PHYSICS (CONCEPTUALIZATION ENRICHMENT, UNDERSTANDING ENRICHMENT)

2022 CHAPTER IN BOOK

15. PHYSICS (WAVES)

2022 CHAPTER IN BOOK

16. POLISI AKADEMIK KOLEJ GENIUS INSAN 2022

2022 POLICY

17. MULTIPLE REFLECTIONS OF SPIRAL AND SPRING PASTA-LIKE CARBON NANOCOILS IN ABSORBING THE EMI WAVE

2021 PROCEEDING

18. LOW-COST AS-SYNTHESIZED CARBON NANOTUBES AS POTENTIAL ELECTROMAGNETIC ABSORBING MATERIALS

2021 PROCEEDING

19. USING NLP TECHNIQUES TO IDENTIFY STUDENTS? LEARNING STYLE BASED ON VAK LEARNING METHOD

2021 CHAPTER IN BOOK

20. INVESTIGATION WITH GIFTED STUDENTS IN LEARNING PHYSICS CONCEPT BASED ON COGNITIVE STRUCTURE

2020 JOURNAL

21. ENHANCING MICROWAVE ABSORBING PROPERTIES OF NICKEL-ZINCFERRITE WITH MULTIWALLED CARBON NANOTUBES (MWCNT) LOADING AT HIGHER GIGAHERTZ FREQUENCY

2020 PROCEEDING

22. LOW-COST 3D PRINTED-TERMINALIA CATAPPA FRUIT SHELLS COMPOSITES AS POTENTIAL ELECTROMAGNETIC ABSORBING MATERIALS

2020 PROCEEDING

23. RECYCLING AND UTILISATION OF MILL SCALE TO PRODUCE CURRENT SMART ELECTROMAGNETIC ABSORBING MATERIAL

2019 CHAPTER IN BOOK

24. METHOD FOR PRODUCING LIGHTWEIGHT ABSORBING MATERIAL FOR ELECTROMAGNETIC RADIATION ABSORPTION, LIGHTWEIGHT ABSORBING MATERIAL AND SPIRAL-LIKE CARBON NANOFIBER ASSOCIATED THEREOF

2018 POLICY

25. RECENT DEVELOPMENTS OF SMART ELECTROMAGNETIC ABSORBERS BASED POLYMER-COMPOSITES AT GIGAHETTZ FREQUENCIES

2016 JOURNAL

26. MICROWAVE ABSORPTION CHARACTERISTICS OF SOME FERRITE-FILLED POLYMER COMPOSITES.

2014 JOURNAL

27. BROADENING OF EM ENERGY-ABSORPTION FREQUENCY BAND BY MICROMETER-TO-NANOMETER GRAIN SIZE REDUCTION IN NIZN FERRITE.

2013 JOURNAL

28. SYNTHESIS AND CHARACTERISATION OF NIZN-FERRITE (0.5? X ?0.8) FOR MICROWAVE ABSORPTION VIA MECHANICAL ALLOYING.

2011 PROCEEDING

AWARDS/RECOGNITION

1. JOHAN (INDIVIDU) STRIKE SANTAI

2025 UNIVERSITY

2. TEMPAT KETIGA (KUMPULAN) STRIKE SANTAI

2025 UNIVERSITY

3. WRITER OF THE MONTH (AUGUST 2025)

2025 UNIVERSITY

4. WRITER OF THE MONTH (JULY 2025) PAPER 1

2025 UNIVERSITY

5. WRITER OF THE MONTH (JULY 2025) PAPER 2

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