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PENSYARAH UNIVERSITI DS14

CONTACT

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FACULTY
Fakulti Sains Dan Teknologi

SUPERVISION

	COMPLETED	ONGOING
PhD	0	1
Master	0	6

AREAS OF EXPERTISE

Nano - Materials

ACADEMIC QUALIFICATION

2016 **PhD** - Sains (fizik)

2012 **Bachelor** - Sains (fizik Bahan)

RESEARCH

1. **EVALUATION OF THE ROLE OF DOPING COMPOSITION IN ZNO/C ANODE MATERIALS FOR PROTON BATTERIES: INSIGHTS FROM STRUCTURAL TO CONDUCTIVITY INVESTIGATIONS**
   2024 | GERAN KPT | ON GOING | MAIN RESEARCHER

2. **STRUCTURAL AND ELECTRICAL PROPERTIES OF SI/ZNO/C AND SI/ZN/C NANOSTRUCTURE COMPOSITES AS ANODE USING HOT TUBE THERMAL EVAPORATION SYSTEM FOR HIGH CAPACITY BATTERIES**
   2021 | GERAN PENYELIDIKAN USIM | ON GOING | MAIN RESEARCHER

3. **CHARACTERIZATION OF TIN-DOPED ZINC OXIDE NANOWIRES SYNTHESIZED BY HOT-TUBE THERMAL EVAPORATION METHOD**
   2018 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. THE ADVANCEMENT OF SEMICONDUCTOR MATERIALS AND DEVICES IN AGRICULTURE

2023 BOOK MAIN AUTHOR

2. TRENDS OF SEMICONDUCTOR FABRICATION AND APPLICATION

2022 BOOK MAIN AUTHOR

3. ZNO COATED OPTICAL FIBER FOR ALCOHOL SENSING APPLICATIONS

SOLID STATE PHENOMENA

2020 JOURNAL INDEXED BY SCOPUS MAIN AUTHOR

4. ALKALI TREATMENT ON HYBRID PINEAPPLE LEAF AND GLASS FIBRE REINFORCED EPOXY COMPOSITES

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2019 JOURNAL OTHERS DATABASE MAIN AUTHOR

5. EFFECT OF NATURAL DYE SENSITIZERS TOWARDS THE IMPROVEMENT OF DYE-SENSITIZED SOLAR CELL (DSSC) EFFICIENCY

RECENT ADVANCEMENT ON APPLIED PHYSICS, INDUSTRIAL CHEMISTRY AND CHEMICAL TECHNOLOGY: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2017 (ICORAST2017)

2019 PROCEEDING NON-INDEX MAIN AUTHOR

6. THE STRUCTURAL PROPERTIES OF SN-DOPED ZINC OXIDE SYNTHESIZED BY HOT-TUBE THERMAL EVAPORATION

RECENT ADVANCEMENT ON APPLIED PHYSICS, INDUSTRIAL CHEMISTRY AND CHEMICAL TECHNOLOGY: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2017 (ICORAST2017)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

7. OPTIMIZATION OF DYE EXTRACTION FROM PURPLE CABBAGE AND CORDYLINE FRUTICOSA IN DYE-SENSITIZED SOLAR CELL

REGIONAL CONFERENCE SOLID STATE SCIENCE AND TECHNOLOGY 2018

2018 PROCEEDING NON-INDEX MAIN AUTHOR

8. STRUCTURAL PROPERTIES OF SN-DOPED ZINC OXIDE SYNTHESIZED BY HOT-TUBE THERMAL EVAPORATION

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE & TECHNOLOGY

2017 PROCEEDING NON-INDEX MAIN AUTHOR

9. EFFECT OF ALKALI TREATMENT ON THE WATER ABSORPTION OF HYBRID PINEAPPLE LEAF/ GLASS FIBRE REINFORCED EPOXY

SEMINAR ANTARABANGASA ISLAM DAN SAINS (SAIS) 2018

2017 PROCEEDING NON-INDEX MAIN AUTHOR

10. A CATALYST-FREE GROWTH OF ALUMINUM-DOPED ZNO NANORODS BY THERMAL EVAPORATION

NANOSCALE RESEARCH LETTERS

2014 JOURNAL WOS MAIN AUTHOR

CONSULTATION

1. KOSIST 2018

FST USIM

2018 INTERNATIONAL

AWARDS/RECOGNITION

1. EDITOR'S CHOICE ARTICLE AWARD

2025 INTERNATIONAL

2. ANUGERAH PENERBITAN BUKU

2025 UNIVERSITY

3. ANUGERAH PENERBITAN BUKU

2025 UNIVERSITY

4. ANUGERAH PENERBITAN JURNAL BERINDEKS WOS/SCOPUS/MYCITE

2025 UNIVERSITY

5. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2025 UNIVERSITY