

Profile Image

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PENSYARAH UNIVERSITI DS13

CONTACT

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E-mail:

nabilahzainul@usim.edu.my

Faculty: Fakulti Kejuruteraan
Dan Alam Bina

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0, Ongoing: 2

AREAS OF EXPERTISE

Other Electircal And Electronic Engineering

ACADEMIC QUALIFICATION

PhD in Kejuruteraan Elektrik Dan Elektronik (2019)

Master in Kejuruteraan Elektronik (sistem Telekomunikasi)
(2013)

Bachelor in Kejuruteraan Elektronik (kejuruteraan Komputer)
(2012)

Diploma in Kejuruteraan Elektronik (2009)

RESEARCH

1. SMART AQUAGUARD: IOT-POWERED WATER QUALITY MONITORING FOR SUSTAINABLE AQUATIC MANAGEMENT

2025 GERAN KPT ON GOING MAIN RESEARCHER

2. MODELLING OF SILICON CARBIDE (SIC) SCHOTTKY BARRIER DIODE FOR HIGH-TEMPERATURE TERAHERTZ APPLICATIONS

2024 GERAN KPT ON GOING MAIN RESEARCHER

3. DEVELOPMENT OF MOBILE APPLICATION FOR "EDUCATIONAL GAMES FOR KIDS WITH LEARNING DISABILITIES: KID WONDERS - KINDERS"

2022 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED MAIN
RESEARCHER

4. MODELLING OF QUANTUM BASED TUNNEL DIODE FOR THZ MEDICAL IMAGING

2019 GERAN PENYELIDIKAN USIM COMPLETED MAIN RESEARCHER

PUBLICATION

1. A COMSOL MULTIPHYSICS FOR POLY (VINYL-ALCOHOL) PVA HYDROGEL EFFECT ON PHOTOVOLTAIC SOLAR CELL BY USING HEAT TRANSFER MODULE

2024 IEEE INTERNATIONAL CONFERENCE ON APPLIED ELECTRONICS AND ENGINEERING (ICAEE)

2024

PROCEEDING

SCOPUS

MAIN AUTHOR

2. SURFACE PLASMON RESONANCE BASED PCF SENSOR FOR DOM DETECTION

2024 IEEE INTERNATIONAL CONFERENCE ON APPLIED ELECTRONICS AND ENGINEERING

2024

PROCEEDING

NON-INDEX

MAIN AUTHOR

3. SINGLE MODE FIBER BASED SPR SENSOR FOR THE DETECTION OF AIR CONTAMINANTS

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2024

2024

PROCEEDING

OTHER DATABASE

MAIN AUTHOR

4. IOT BASED INDOOR AIR AND WATER QUALITY MONITORING SYSTEM USING NODE-RED

9TH INTERNATIONAL CONFERENCE ON COMPUTER AND COMMUNICATION ENGINEERING (ICCCE 2023)

2023

PROCEEDING

SCOPUS

MAIN AUTHOR

5. NON-EQUILIBRIUM GREENS FUNCTION ON GAAS/ALAS DOUBLE BARRIER QUANTUM WELLS RESONANT TUNNELLING DIODE (RTD)

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE (SAIS) 2019

2019

PROCEEDING

NON-INDEX

MAIN AUTHOR

CONSULTATION

1. Penggubal Soalan Basic Engineering 2

Kementerian Pendidikan Malaysia

 National

2. Pentaksir Soalan Basic Engineering 1

Kementerian Pendidikan Malaysia

 National

3. Pentaksir Soalan Electrical and Electronic Engineering 2

Kementerian Pendidikan Malaysia

 National

4. Panel Penasihat Industri (Universiti Awam)

Universiti Teknikal Malaysia Melaka (UTeM)

 National

AWARDS/RECOGNITION

1. MUSOLLI COMPANION

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

  

2. CONCEPTUAL MODEL FOR A PORTABLE WRIST AND HAND REHABILITATION SYSTEM FOR STROKE PATIENTS

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

  

3. INT-CART: INTELLIGENT SHOPPING CART ROBOT

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

  

4. EMPLOYEE OF THE MONTH (JUN 2023)

 

5. ACADEMIC ADVISOR

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

 