



**DR. MARINAH BINTI
OTHMAN**

PENSYARAH UNIVERSITI DS13

CONTACT

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Faculty: Fakulti Kejuruteraan
Dan Alam Bina

AREAS OF EXPERTISE

ACADEMIC QUALIFICATION

PhD in Laser (2010)

Master in Engineering Science (2002)

Bachelor in Electronic & Electrical Engineering (1998)

SUPERVISION

PhD - Completed: 0, Ongoing: 2

Master - Completed: 1, Ongoing: 1

PUBLICATION

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

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2024

2024 PROCEEDING OTHER DATABASE 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. 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

4. TEMPERATURE DEPENDENT GAIN AND NOISE ANALYSIS OF AN ERBIUM DOPED FIBER AMPLIFIER WITH DIFFERENT PUMPING CONFIGURATIONS

ADVANCEMENT IN ENGINEERING AND TECHNOLOGY

2024 CHAPTER IN BOOK MAIN AUTHOR

5. DESIGN OF SINGLE STAGE C BAND ERBIUM DOPED FIBER AMPLIFIER (EDFA) FOR OPTICAL COMMUNICATIONS

TECHNOLOGIES IN SCIENCE AND ENGINEERING

2023 CHAPTER IN BOOK MAIN AUTHOR

6. OUTCOME-BASED EDUCATION FOR ENGINEERING PROGRAMME: A CASE STUDY OF USIM

2019 BOOK MAIN AUTHOR

7. PHOTOVOLTAIC TECHNOLOGY: A REVIEW

ADVANCES IN SUSTAINABLE LIVING

2019 CHAPTER IN BOOK MAIN AUTHOR

8. IMPROVING GSM SECURITY BY ENHANCING THE RANDOMNESS PROPERTY OF THE A5/1 DESIGN

AUSTRALIAN JOURNAL OF BASIC AND APPLIED SCIENCES

2015 JOURNAL SCOPUS MAIN AUTHOR

CONSULTATION

1. FASILITATOR PROGRAM "TRAINING ON CURRICULUM DEVELOPMENT", INSTITUT AGAMA ISLAM NEGERI (IAIN) WALISONGO INDONESIA

INSTITUT AGAMA ISLAM NEGERI (IAIN) INDONESIA

2013

INTERNATIONAL

AWARDS/RECOGNITION

1. ACADEMIC ADVISOR

JPT

2023

NATIONAL

2. ACADEMIC ADVISOR

JPT

2022

NATIONAL

3. ACADEMIC ADVISOR

USIM

2022

UNIVERSITY

4. SMART PARCEL DROP BOX

PERTANDINGAN REKACIPTA INOVASI INTERNASIONAL & NASIONAL 2022 (PRIIN 2022)

2022

ANTARABANGSA

SILVER

5. I-SOLD: A PROTOTYPE OF SOLAR COOLING INTEGRATED FACADE FOR BALANCING HUMAN COMFORT, SUSTAINABILITY IN WORKING AND LEARNING SPACE

8th EXPOSITION ON ISLAMIC INNOVATION (i-INOVA) 2018

2018

UNIVERSITI

BRONZE