



PROF. MADYA DR. NUR ATHIRAH MOHD TAIB

PENSYARAH UNIVERSITI DS14

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Address: Fakulti Sains Dan
Teknologi

SUPERVISION

PhD - Completed: 0, Ongoing: 2

Master - Completed: 2, Ongoing: 1

AREAS OF EXPERTISE

Fibre Optics And Waveguides Physics

Optical/photonic Sensor

BIOGRAPHY

A lecturer from Fakulti Sains Dan Teknologi. Holds a Phd in Physics (laser Technology).

ACADEMIC QUALIFICATION

Phd in Physics (laser Technology) (2015)

Bachelor in Industrial Physics (2011)

RESEARCH

1. MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA

2024

ON GOING

MAIN RESEARCHER

2. HYBRID ZNO NANOPARTICLES-BIOCHAR MATERIALS IN PHOTOCATALYTIC OPTICAL FIBER SENSOR FOR WASTEWATER TREATMENT APPLICATION

2023

ON GOING

MAIN RESEARCHER

3. TENSIOMETRIC SURFACE MEASUREMENT BY FIBER OPTIC DISPLACEMENT SENSOR FOR MEDICAL DIAGNOSTIC

2017

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. PHOTOCATALYTIC DYE DEGRADATION OF AN OPTICAL FIBER SENSOR COATED WITH VARYING THICKNESS OF ZNO/BIOCHAR NANOPARTICLES

2024 PROCEEDING

2. INSTRUMENTATION ANALYSIS OF FODS PERFORMANCE THROUGH BUNDLED PROBES AND LIGHT SOURCES

2023 PROCEEDING

3. OPTICAL SENSOR RESPONSE TOWARDS HYDROGEN PEROXIDE IN LOW FAT AND FULL CREAM MILK

2023 PROCEEDING

4. THE ADVANCEMENT OF SEMICONDUCTOR MATERIALS AND DEVICES IN AGRICULTURE

2023 BOOK

5. TRENDS OF SEMICONDUCTOR FABRICATION AND APPLICATION

2022 BOOK

6. A REVIEW ON SURFACE TENSION MEASUREMENTS BY OPTICAL METHOD FOR MEDICAL APPLICATION

2019 JOURNAL

7. URIC ACID DETECTION BY USING CONTACTLESS INTENSITY MODULATION BASED DISPLACEMENT SENSOR

2019 JOURNAL

8. MULTI-WALLED CARBON NANOTUBES SATURABLE ABSORBER IN Q-SWITCHING FLASHLAMP PUMPED ND:YAG LASER

2016 JOURNAL

9. THE EFFECTS OF TEMPORAL DELAY ON THE PERFORMANCE OF AN ELECTRO-OPTIC Q-SWITCHED ND:YAG LASER

2015 JOURNAL

CONSULTATION/ADULATION

1. PANEL HAKIM REKABENTUK BANDAR TEKNOLOGI HIJAU PERINGKAT WILAYAH PERSEKUTUAN PUTRAJAYA 2018

2018 NATIONAL KEMENTERIAN PENDIDIKAN MALAYSIA

2. KARNIVAL STEM PERINGKAT TAMPIN 2018

2018 OTHERS TAMPIN

3. KHIDMAT PERUNDINGAN DALAM FIBER OPTIK KEPADA BAHAGIAN TELEKOMUNIKASI ILP PEDAS

National INSTITUT LATIHAN PERINDUSTRIAN PEDAS, NEGERI SEMBILAN

AWARDS/RECOGNITION

1. STAF CONTOH APRIL 2025

2025 UNIVERSITY

2. ANUGERAH INOVASI

2025 UNIVERSITY

3. ANUGERAH PENERBITAN BUKU ILMIAH

2025

UNIVERSITY

4. ANUGERAH PENERBITAN JURNAL BERINDEKS

2025

UNIVERSITY

5. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2025

UNIVERSITY