

# TS. DR. IRNEZA BINTI ISMAIL

PENSYARAH UNIVERSITI DS13

### CONTACT

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Kejuruteraan Dan Alam

Bina

## SUPERVISION

PhD - Completed: 0, One

1

Master - Completed: 2,

Ongoing: 3

### **AREAS OF EXPERTISE**

Optical Systems
Optical And Photonic Systems
Fibre Optic

### **ACADEMIC QUALIFICATION**

PhD in Optical Communication (communication Engineering & Informati (2016)

Master in Electrical Electronic And Telecommunication (2010)

Bachelor in Electrical Electronic Engineering (2002)

### RESEARCH

1. OPTICAL LIGHT PROPAGATION METHOD IN MICROPLASTIC WATER CONTAMINATION FOR RAPID WATER SENSING APPLICATION



2. OPTIMIZATION OF NEAR INFRARED SPECTROSCOPY (NIRS) CONFIGURATION PARAMETERS FOR HAND, FOOT AND MOUTH DISEASE (HFMD) DETECTION

2020 GERAN PENYELIDIKAN USIM RACER COMPLETED MAIN RESEARCHER

#### **PUBLICATION**



### **AWARDS/RECOGNITION**

#### 1. ENZYMATIC COCOA POD WAX EXTRACTION MONITORING DEVICE FOR COCOA FARMS

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

2. SIMPLE, PORTABLE, ARDUINO-BASED UV LIGHT SPECTROPHOTOMETER FOR LIQUID-BASED SOLUTION

International Expo of Innovation Product and System Design (INVIDE) 2023

2023 ANTARABANGSA GOLD

3. THE POTENTIAL OF .... TOMOGRAPHY (PAT) TECHNIQUE FOR DENTAL IMAGING..

SCIENCE AND TECHNOLOGY RESERACH EXPO (SCITEX@20TH FST)

2023 UNIVERSITI BRONZE

4. STAF CONTOH OCTOBER 2022

2022 UNIVERSITY

5. IOT- BASED BATTERY MONITORING SYSTEM

PERTANDINGAN REKACIPTA INOVASI INTERNASIONAL & NASIONAL 2022 (PRIIN 2022)

2022 ANTARABANGSA SILVER