



## DR. NADHRAH BINTI MD YATIM

PENSYARAH UNIVERSITI DS13

### CONTACT

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**Address:** Fakulti Sains Dan  
Teknologi

### SUPERVISION

PhD - Completed: 1, Ongoing: 1

Master - Completed: 3, Ongoing: 0

### AREAS OF EXPERTISE

Electrical Power Generation And Supply

Other Energy Transformation

Energy Supply And Conservation

Material Physics

### BIOGRAPHY

A lecturer from Fakulti Sains Dan Teknologi. Holds a Phd in Kejuruteraan Elektrik & Elektronik.

### ACADEMIC QUALIFICATION

Phd in Kejuruteraan Elektrik & Elektronik (2012)

Master in Mikroelektronik (2006)

Bachelor in Fizik (2001)

Lain-lain (1998)

### RESEARCH

**1. OPTIMISE FABRICATION OF SNSE-BASED THERMOELECTRIC MATERIALS SINTERED BY COLD PRESSING (CP) FOR WASTE HEAT HARVESTING APPLICATIONS.**

2023 ON GOING MAIN RESEARCHER

**2. DETERMINATION OF ZT FOR SEGMENTED THERMOELECTRIC GENERATOR (TEG) UNDER LARGE TEMPERATURE DIFFERENCE (L?T) USING "OPEN-SHORT CIRCUIT" TECHNIQUE**

2015 COMPLETED MAIN RESEARCHER

**3. DEVELOPMENT OF THERMOELECTRIC ZT MEASUREMENT FACILITY UNDER TEMPERATURE RANGE OF 300K-700K USING NOVEL "OPEN-SHORT CIRCUIT" TECHNIQUE**

2015 COMPLETED MAIN RESEARCHER

## PUBLICATION

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### 1. PCM-BASED FOR HEAT STORAGE IN SOLAR-THERMAL CONVERTER

2020 JOURNAL

### 2. A REVIEW OF ZT MEASUREMENT FOR BULK THERMOELECTRIC MATERIAL

2018 JOURNAL

### 3. A REVIEW OF ZT MEASUREMENT FOR BULK THERMOELECTRIC MATERIAL

2017 PROCEEDING

### 4. ZT MEASUREMENTS OF THERMOELEMENTS UNDER LARGE TEMPERATURE DIFFERENCE

2015 JOURNAL

### 5. FEASIBILITY STUDY OF "OPEN-SHORT CIRCUIT" DIMENSIONLESS FIGURE-OF-MERIT (ZT) MEASUREMENT TECHNIQUE FOR THERMOELECTRIC DEVICE

2014 CHAPTER IN BOOK

### 6. ZT MEASUREMENTS OF THERMOELEMENTS THERMOELECTRIC MATERIALS UNDER LARGE TEMPERATURE DIFFERENCE

2013 PROCEEDING

## AWARDS/RECOGNITION

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### 1. PRESTASI LNPT MELEBIHI 95%

2025 UNIVERSITY

### 2. ANUGERAH PENERBITAN BAB DALAM BUKU

2025 OTHERS

### 3. ANUGERAH PENERBITAN JOURNAL BERINDEKS WOS/SCOPUS/MYCITE

2025 OTHERS

### 4. TOP 100 USIM E-NILAI

2025 UNIVERSITY

### 5. VISITING SCIENTIST (SAINTIS PELAWAT)

2025 INTERNATIONAL