

Profile Image

## DR. MUHAMMAD AZAN BIN TAMAR JAYA

PENSYARAH UNIVERSITI DS13

### CONTACT

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**Faculty:** Kolej Permata  
Insan

### SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0,  
Ongoing: 0

### AREAS OF EXPERTISE

Ceramics

Separation Technology

Activated Carbon

Thin Film Technologies

### ACADEMIC QUALIFICATION

PhD in Kimia (2018)

Master in Kejuruteraan Kimia (2011)

Bachelor in Kejuruteraan (kimia) (2008)

### RESEARCH

1. ADSORPTION MECHANISM OF AMMONIA BY POROUS CARBONIZED HOLLOW FIBER POLYMER

2024 GERAN KPT ON GOING MAIN RESEARCHER

2. ADSORPTIVE SEPARATION UTILIZING SURFACE-MODIFIED CLINOPTILOLITE AND ACID-TREATED CLINOPTILOLITE IN TREATING PALM OIL MILL EFFLUENT (POME)

2019 GERAN PENYELIDIKAN USIM COMPLETED MAIN RESEARCHER

# PUBLICATION

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## 1. POLYMER FORMULATION USED IN CARBON MEMBRANE SYNTHESIS AND PERFORMANCE EVALUATION

ASIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2023 JOURNAL OTHER DATABASE MAIN AUTHOR

## 2. POLYMER FORMULATION USED IN CARBON MEMBRANE SYNTHESIS AND PERFORMANCE EVALUATION

3RD KUALA LUMPUR INTERNATIONAL CONFERENCE ON MANAGEMENT, EDUCATION AND TECHNOLOGY (KLIMET 2022)

2022 PROCEEDING NON-INDEX MAIN AUTHOR

## 3. SYNTHESIS AND O<sub>2</sub>/N<sub>2</sub> PERFORMANCE EVALUATION OF HOLLOW FIBER CARBON MEMBRANE OF 2,6-DIMETHYL-1,4-PHENYLENE OXIDE

4TH ASNET INTERNATIONAL MULTIDISCIPLINARY ACADEMIC CONFERENCE 2021 (AIMAC 2021)

2021 PROCEEDING NON-INDEX MAIN AUTHOR

## 4. CLINOPTILOLITE WITH ITS MODIFICATION WITH DIFFERENT TYPES OF SURFACTANTS

RESEARCH AND INNOVATION: EDUCATION, TECHNOLOGY AND PERFORMANCE MANAGEMENT

2021 CHAPTER IN BOOK MAIN AUTHOR

## 5. SURFACTANT FUNCTIONALIZATION OF CLINOPTILOLITE AND THEIR RECENT APPLICATION IN ADSORPTION

INTERNATIONAL CONFERENCE ON RESEARCH AND PRACTICES IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES 2020

2020 PROCEEDING NON-INDEX MAIN AUTHOR

## 6. HOLLOW FIBER CARBON MEMBRANE SYNTHESIZED FROM PPO POLYMER FOR O<sub>2</sub>/N<sub>2</sub> BINARY SEPARATION

INTERNATIONAL CONFERENCE ON RESEARCH AND PRACTICES IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES 2020

2020 PROCEEDING NON-INDEX MAIN AUTHOR

## 7. ROBESON'S UPPERBOUND-ORIENTED ENHANCEMENT OF PERFORMANCE OF HOLLOW FIBER CARBON MEMBRANE FOR H<sub>2</sub>/N<sub>2</sub> IDEAL SEPARATION

MELAKA INTERNATIONAL CONFERENCE ON SOCIAL SCIENCES, SCIENCE AND TECHNOLOGY 2019 (MIC3ST 2019)

2019 PROCEEDING NON-INDEX MAIN AUTHOR

## 8. ENHANCING CO<sub>2</sub>/CH<sub>4</sub> SEPARATION USING PPO-DERIVED HOLLOW FIBER CARBON MEMBRANE

KUALA LUMPUR INTERNATIONAL CONFERENCE ON MULTI-DISCIPLINARY RESEARCH (KLIC2019)

2019 PROCEEDING NON-INDEX MAIN AUTHOR

## 9. PHYSICAL TREATMENT TECHNOLOGY FOR LANDFILL LEACHATE

CONTROL AND TREATMENT OF LANDFILL LEACHATE FOR SANITARY WASTE DISPOSAL

2016 CHAPTER IN BOOK MAIN AUTHOR

# AWARDS/RECOGNITION

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## 1. DEVELOPMENT OF PELLETTIZED SURFACTANT-MODIFIED CLINOPTILOLITE FOR CONGO RED ADSORPTION

CREATIONS de UITM: INTERNATIONAL MEGA INNOVATION CARNIVAL (CDU 2024)

2024

ANTARABANGSA

SILVER

## 2. BEST PAPER AWARD

2020

INTERNATIONAL

## 3. STAF CONTOH (KATEGORI AKADEMIK)

2020

UNIVERSITY

## 4. ANUGERAH BEST WRITE-UP CATEGORY SECONDARY SCHOOL, SEBAGAI GURU PEMBIMBING

2020

NATIONAL

## 5. GOLD AWARD FOR KGI BY BEING COACH FOR STEM-DESIGN ASITA INVITATION TOURNAMENT 2019

2019

INTERNATIONAL