



**DR. MUHAMMAD AZAN BIN
TAMAR JAYA**

PENSYARAH UNIVERSITI DS13

CONTACT

Phone:

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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

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 O₂/N₂ 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 O₂/N₂ 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 H₂/N₂ IDEAL SEPARATION

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

2019 PROCEEDING NON-INDEX MAIN AUTHOR

8. ENHANCING CO₂/CH₄ 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

1. DEVELOPMENT OF PELLETIZED 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