



DR. MUHAMMAD AZAN BIN TAMAR JAYA

PENSYARAH UNIVERSITI DS13

CONTACT

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Address: 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

BIOGRAPHY

A lecturer from Kolej Permata Insan. Holds a Phd in Kimia.

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

ON GOING

MAIN RESEARCHER

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

2019

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. RECENT ADVANCES IN METHYLENE BLUE ADSORPTION USING CLINOPTILOLITE: MECHANISMS, MODIFICATIONS, AND FUTURE PERSPECTIVES

2025 JOURNAL

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

2023 JOURNAL

3. POLYMER FORMULATION USED IN CARBON MEMBRANE SYNTHESIS AND PERFORMANCE EVALUATION

2022 PROCEEDING

4. SYNTHESIS AND O₂/N₂ PERFORMANCE EVALUATION OF HOLLOW FIBER CARBON MEMBRANE OF 2,6-DIMETHYL-1,4-PHENYLENE OXIDE

2021 PROCEEDING

5. CLINOPTILOLITE WITH ITS MODIFICATION WITH DIFFERENT TYPES OF SURFACTANTS

2021 CHAPTER IN BOOK

6. SURFACTANT FUNCTIONALIZATION OF CLINOPTILOLITE AND THEIR RECENT APPLICATION IN ADSORPTION

2020 PROCEEDING

7. HOLLOW FIBER CARBON MEMBRANE SYNTHESIZED FROM PPO POLYMER FOR O₂/N₂ BINARY SEPARATION

2020 PROCEEDING

8. ROBESON'S UPPERBOUND-ORIENTED ENHANCEMENT OF PERFORMANCE OF HOLLOW FIBER CARBON MEMBRANE FOR H₂/N₂ IDEAL SEPARATION

2019 PROCEEDING

9. ENHANCING CO₂/CH₄ SEPARATION USING PPO-DERIVED HOLLOW FIBER CARBON MEMBRANE

2019 PROCEEDING

10. PHYSICAL TREATMENT TECHNOLOGY FOR LANDFILL LEACHATE

2016 CHAPTER IN BOOK

AWARDS/RECOGNITION

1. INVESTIGATING THE POTENTIAL OF ACTIVATED CARBON FROM PISTACHIO SHELL TO TREAT DYE MATERIALS IN WASHING MACHINE WASTE WATER: REMOVAL OF METHYL ORANGE DYE

2025 Antarabangsa Silver

2. DEVELOPMENT OF PELLETIZED SURFACTANT-MODIFIED CLINOPTILOLITE FOR CONGO RED ADSORPTION

2024 Antarabangsa Silver

3. BEST PAPER AWARD

2020 INTERNATIONAL

4. STAF CONTOH (KATEGORI AKADEMIK)

2020 UNIVERSITY

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

2020

NATIONAL