



**DR. MOHAMAD AZANI BIN
ABD KHADIR JALANI**

PENSYARAH UNIVERSITI DS13

CONTACT

Phone: 067980138

E-mail:
mazani@usim.edu.my

Address: Kolej Permata
Insan

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0, Ongoing: 0

AREAS OF EXPERTISE

Nanotechnology

Other Advanced Materials N.e.c.

Applied Chemistry

BIOGRAPHY

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

ACADEMIC QUALIFICATION

Phd in Kimia (2018)

Bachelor in Kimia (2012)

RESEARCH

1. STRUCTURAL-OPTICAL PROPERTIES RELATIONSHIP OF GOLD NANOPARTICLES EMBEDDED IN POROUS ALUMINA MEMBRANE FOR CATALYTIC TREATMENT OF WASTEWATER

2020

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. KIMIA

2022 CHAPTER IN BOOK

2. SAINS

2022 CHAPTER IN BOOK

3. HIGHLY ORDERED MESOPOROUS SILICA FILM NANOCOMPOSITES CONTAINING GOLD NANOPARTICLES FOR THE CATALYTIC REDUCTION OF 4-NITROPHENOL

2019 JOURNAL

4. SIZE-EXCLUSION LIQUID CHROMATOGRAPHY FOR EFFECTIVE PURIFICATION OF AMPHIPHILIC TRINUCLEAR GOLD (I) PYRAZOLATE COMPLEX

2018 JOURNAL

5. SYNTHESIS OF MESOPOROUS SILICA NANOCOMPOSITES FOR PREPARATION OF GOLD NANOPARTICLES

2014 JOURNAL

6. THERMAL HYDROGEN REDUCTION FOR SYNTHESIS OF GOLD NANOPARTICLES IN THE NANOCANNELS OF MESOPOROUS SILICA COMPOSITE

2014 JOURNAL

AWARDS/RECOGNITION

1. ANUGERAH STAF CONTOH (DISEMBER 2025)

2025 UNIVERSITY

2. A GAMIFIED APPROACH TO CHEMISTRY LEARNING

2025 Kebangsaan Silver

3. MOLECOOL FRIENDS: AN INTERACTIVE APPROACH TO CHEMISTRY LEARNING IN SECONDARY SCHOOLS

2025 Antarabangsa Silver

4. THE ROLE OF GAMIFICATION IN ENHANCING CONCEPTUAL UNDERSTANDING AND ENGAGEMENT FOR SECONDARY SCHOOL CHEMISTRY

2025 Antarabangsa Silver

5. DUO&KEY MOLECULAR MATCH-UP: AN INNOVATIVE CARD GAME FOR TEACHING CHEMICAL BONDS TO SECONDARY SCHOOL STUDENTS

2025 Antarabangsa Gold