



**PROF. MADYA DR. SHIKH
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Address: Fakulti Sains Dan
Teknologi

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 3, Ongoing: 1

AREAS OF EXPERTISE

Magnetic Materials

Nano Materials

Ionic Liquids

Biomass Products

Cellulosic And Fibre Technology (including Nano Cellulosic Materials)

BIOGRAPHY

A lecturer from Fakulti Sains Dan Teknologi. Holds a Phd in Kimia.

ACADEMIC QUALIFICATION

Phd in Kimia (2016)

Master in Kejuruteraan Kimia (2011)

Bachelor in Kimia Perindustrian (2008)

RESEARCH

1. CONVERSION OF SACRED-PAPER-DERIVED GLUCOSE TO OXYGEN-RICH GAS VIA ANAEROBIC DIGESTION AS AN ALTERNATIVE TO INCINERATING SACRED PAPER

2024

ON GOING

MAIN RESEARCHER

2. CONVERSION OF PAPER WASTE CONTAINING HOLY WORDS TO LACTIC ACID: TOWARDS INTEGRATING NAQLI AND AQLI

2019

COMPLETED

MAIN RESEARCHER

3. MAGNETITE-POLYVINYLPYRROLIDONE NANOCOMPOSITES AS ADSORBENTS FOR THE REMOVAL OF OIL SPILLS FROM AQUEOUS ENVIRONMENTS

2018

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. CABARAN KONTEMPORARI DALAM MEMBENTUK KEPIMPINAN DAN SAHSIAH PELAJAR: STRATEGI PENGETUA-PENGETUA DI UNIVERSITI SAINS ISLAM MALAYSIA

2024 PROCEEDING

2. ISU DAN CABARAN MEDIA SOSIAL TERHADAP PEMBANGUNAN SAHSIAH PELAJAR: PENGALAMAN DALAM KALANGAN PENGETUA DI UNIVERSITI SAINS ISLAM MALAYSIA

2024 PROCEEDING

3. A PRELIMINARY STUDY OF CATALYTIC HYDROTHERMAL CONVERSION OF CELLULOSE TO LACTIC ACID: EFFECTS OF REACTION TEMPERATURE AND METAL ION CATALYST

2020 JOURNAL

4. UNCATALYSED POLYCONDENSATION OF LACTIC ACID TO POLYLACTIC ACID UNDER MICROWAVE IRRADIATION: EFFECT OF MICROWAVE POWER

2020 JOURNAL

5. TRIETHYLAMMONIUM HYDROGEN SULFATE IONIC LIQUID AS A LOW-COST SOLVENT: A SHORT REVIEW OF SYNTHESIS, ANALYSIS AND APPLICATIONS

2019 JOURNAL

6. POLY(VINYLPYRROLIDINONE)-IRON MAGNETIC NANOCOMPOSITES AS SORBENTS FOR EFFECTIVE OIL REMOVAL FROM WATER

2018 JOURNAL

7. DECONSTRUCTION OF MALAYSIAN AGRO-WASTES WITH INEXPENSIVE AND BIFUNCTIONAL TRIETHYLAMMONIUM HYDROGEN SULFATE IONIC LIQUID

2018 JOURNAL

CONSULTATION/ADULATION

1. RESOURCE CIRCULARITY OF LITHIUM-ION BATTERIES WASTE

2022 NATIONAL PETRONAS RESEARCH SDN BHD

AWARDS/RECOGNITION

1. ANUGERAH PENYELIA TERBILANG

2025 UNIVERSITY

2. ANUGERAH PENYELIDIKAN INAQ

2025 UNIVERSITY

3. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2025 UNIVERSITY

4. ANUGERAH PERKEMBANGAN KERJAYA

2025 UNIVERSITY

5. ANUGERAH PERKHIDMATAN CEMERLANG 2023

2024

UNIVERSITY