

Profile Image

**PROF. MADYA DR.
MOHD AZMAN BIN
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PENSYARAH UNIVERSITI DS14

CONTACT

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Faculty: Fakulti Sains
Dan Teknologi

SUPERVISION

PhD - Completed: 2, Ongoing: 1

Master - Completed: 0,
Ongoing: 0

AREAS OF EXPERTISE

Energy Storage

Electrochemical Materials

Membranes

ACADEMIC QUALIFICATION

PhD in Bahan Termaju (2009)

Bachelor in Fizik Gunaan (2001)

Diploma in Elektrik Kuasa Dan Kawalan (1996)

Sijil in Elektrik Kuasa (1995)

RESEARCH

1. THE ABILITY OF HYBRID SOLID POLYMER ELECTROLYTE (HSPE) FROM DIAPERS FOR HIGH PERFORMANCE ELECTROCHEMICAL DOUBLE LAYER CAPACITOR(EDLC)

2015 GERAN PENYELIDIKAN PENTADBIR COMPLETED MAIN RESEARCHER

2. CARBON NANOTUBE AS ELECTRODE MATERIAL FOR HIGH PERFORMANCE ELECTROCHEMICAL DOUBLE LAYER CAPACITORS (EDLC) WITH HYBRID SOLID POLYMER ELECTROLYTE (HSPE).

2011 GERAN KPT COMPLETED MAIN RESEARCHER

3. THE STUDY OF CELLULOSE-BASED HYBRID SOLID POLYMER ELECTROLYTES

2010 GERAN KPT COMPLETED MAIN RESEARCHER

PUBLICATION

1. RAHSIA DI SEBALIK ILMU FIZIK

2019 BOOK MAIN AUTHOR

2. HYBRID SOLID POLYMER ELECTROLYTE FROM DIAPERS AS SEPARATOR FOR ELECTROCHEMICAL DOUBLE LAYER CAPACITOR (EDLC)

AIP CONFERENCE PROCEEDINGS 1972,

2018 JOURNAL SCOPUS MAIN AUTHOR

3. USING PVA, METHACRYLATE AND LAUROYL CHITOSAN AS SEPARATOR IN SUPERCAPACITORS.

JOURNAL OF MATERIALS SCIENCE RESEARCH

2013 JOURNAL SCI MAIN AUTHOR

4. SUPERCAPACITOR AS A RENEWABLE ENERGY AND ITS CONTRIBUTION TO UMMAH

PIONEERING ISLAMIC SCIENCE, SPEARHEADING KNOWLEDGE

2013 CHAPTER IN BOOK MAIN AUTHOR

5. A METHOD OF LINES APPROACH IN THE NUMERICAL SOLUTION OF 1-DIMENSIONAL SCHRÖDINGER'S EQUATION

APPLIED PHYSICS RESEARCH

2012 JOURNAL WOS MAIN AUTHOR

6. SUPERCAPACITORS BASED ON ACTIVATED CARBON AND POLYMER ELECTROLYTE

INTERNATIONAL JOURNAL OF SUSTAINABLE ENERGY AND ENVIRONMENTAL RESEARCH

2012 JOURNAL WOS MAIN AUTHOR

7. SUPERCAPACITORS BASED ON ACTIVATED CARBON AND POLYMER ELECTROLYTE

8TH ASIAN MEETING ON ELECTROCERAMICS (AMEC-8)

2012 PROCEEDING NON-INDEX MAIN AUTHOR

8. SUPERCAPACITOR BASED ON ACTIVATED CARBON AND HYBRID SOLID POLYMER ELECTROLYTE

RESEARCH MATERIAL INNOVATION

2011 JOURNAL WOS MAIN AUTHOR

9. SUPERCAPACITOR BASED ON ACTIVATED CARBON AND HYBRID SOLID POLYMER ELECTROLYTE

3RD INTERNATIONAL CONFERENCE ON FUNCTIONAL MATERIALS AND DEVICES 2010 (ICFMD 2010)

2010 PROCEEDING NON-INDEX MAIN AUTHOR

10. ELECTROCHEMICAL DOUBLE LAYER CAPACITOR BASED ON CELLULOSE-PVA HYBRID ELECTROLYTE

IONICS

2006 JOURNAL WOS MAIN AUTHOR

11. SUPERCAPACITORS BASED ON ACTIVATED CARBON WITH CELLULOSE ELECTROLYTES

INTERNATIONAL MEETING ON FRONTIERS OF PHYSICS 2005

2005 PROCEEDING NON-INDEX MAIN AUTHOR

AWARDS/RECOGNITION

1. ACADEMIC ADVISOR

MQA

2023

NATIONAL

2. MODUL TAMARI: INAQ ENVIRONMENTAL SUSTAINABILITY MODULE AT TAMHIDI CENTRE

Pre-University Matriculation Innovation Competition (PIITRAM) 2023

2023

KEBANGSAAN

SILVER

3. VISITING RESEARCHER

PERSATUAN SAINS & TEKNOLOGI KEADAAN PEPEJAL MALAYSIA, MASS MALAYSIA

2022

NATIONAL

4. ACADEMIC ADVISOR

UNIVERSITY TUNKU ABDUL RAHMAN, UTAR

2022

UNIVERSITY

5. PENGANUGERAHAN ANUGERAH BUKU UMUM TERBAIK

2021

UNIVERSITY