

PROF. MADYA DR. MOHD AZMAN BIN HASHIM @ ISMAIL

PENSYARAH UNIVERSITI DS14

CONTACT

PHONE
067986555

E-MAIL
m_azman@usim.edu.my

FACULTY
Fakulti Sains Dan Teknologi

SUPERVISION

PhD	2 COMPLETED	1 ONGOING
Master	0 COMPLETED	0 ONGOING

AREAS OF EXPERTISE

Energy Storage | Electrochemical Materials | Membranes

ACADEMIC QUALIFICATION

- 2009 **PhD** - Bahan Termaju
- 2001 **Bachelor** - Fizik Gunaan
- 1996 **Diploma** - Elektrik Kuasa Dan Kawalan
- 1995 **Sijil** - Elektrik Kuasa

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. DESIGN, FABRICATION AND CHARACTERIZATION OF A COMMERCIALLY PREPARED CARBOXYL MULTIWALLED CARBON NANOTUBES WITH A HYBRID POLYMER ELECTROLYTES

APPLIED PHYSICS RESEARCH

2014 JOURNAL OTHER DATABASE MAIN AUTHOR

4. A FLEXIBLE SOLID STATE EDLC FROM A COMMERCIALLY PREPARED MULTIWALLED CARBON NANOTUBES AND HYBRID POLYMER ELECTROLYTES

JOURNAL OF MATERIALS SCIENCE RESEARCH

2014 JOURNAL OTHER DATABASE MAIN AUTHOR

5. A NOBLE CONDUCTIVITY STUDIES AND CHARACTERIZATIONS OF PVA-ORTHOPHOSPHORIC-FILTER PAPER ELECTROLYTES

JOURNAL OF MATERIALS SCIENCE RESEARCH

2014 JOURNAL OTHER DATABASE MAIN AUTHOR

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

JOURNAL OF MATERIALS SCIENCE RESEARCH

2013 JOURNAL SCI MAIN AUTHOR

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

PIONEERING ISLAMIC SCIENCE, SPEARHEADING KNOWLEDGE

2013 CHAPTER IN BOOK MAIN AUTHOR

8. A METHOD OF LINES APPROACH IN THE NUMERICAL SOLUTION OF 1-DIMENSIONAL SCHR&#65533;DINGER&#65533;S EQUATION

APPLIED PHYSICS RESEARCH

2012 JOURNAL WOS MAIN AUTHOR

9. SUPERCAPACITORS BASED ON ACTIVATED CARBON AND POLYMER ELECTROLYTE

INTERNATIONAL JOURNAL OF SUSTAINABLE ENERGY AND ENVIRONMENTAL RESEARCH

2012 JOURNAL WOS MAIN AUTHOR

10. SUPERCAPACITORS BASED ON ACTIVATED CARBON AND POLYMER ELECTROLYTE

8TH ASIAN MEETING ON ELECTROCERAMICS (AMEC-8)

2012 PROCEEDING NON-INDEX MAIN AUTHOR

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

RESEARCH MATERIAL INNOVATION

2011 JOURNAL WOS MAIN AUTHOR

PUBLICATION

12. 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

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

IONICS

2006 JOURNAL WOS MAIN AUTHOR

14. SUPERCAPACITORS BASED ON ACTIVATED CARBON WITH CELLULOSE ELECTROLYTES

INTERNATIONAL MEETING ON FRONTIERS OF PHYSICS 2005

2005 PROCEEDING NON-INDEX MAIN AUTHOR

AWARDS/RECOGNITION

1. ANUGERAH KHIDMAT SETIA 2025

2025 UNIVERSITY

2. ACADEMIC PROGRAM ADVISOR

AGENSI KELAYAKAN MALAYSIA (MQA)

2025 NATIONAL

3. ACADEMIC ADVISOR

FAKULTI SAINS DAN TEKNOLOGI. UTM

2024 NATIONAL

4. ACADEMIC ADVISOR

LEE KONG CHIAN FACULTY OF ENGINEERING AND SCIENCE (LKC FES), UNIVERSITI TUNKU ABDUL RAHMAN, UTAR

2024 NATIONAL

5. CURRICULUM ADVISOR (PENASIHAT KURIKULUM)

FAKULTI SAINS DAN TEKNOLOGI, UTM

2024 NATIONAL