

PROF. MADYA DR. SYAHIDA BINTI SUHAIMI

PENSYARAH UNIVERSITI DS14

CONTACT

PHONE
06-7988451

E-MAIL
syahida@usim.edu.my

FACULTY
Fakulti Sains Dan Teknologi

SUPERVISION

	COMPLETED	ONGOING
PhD	0	1
Master	0	6

AREAS OF EXPERTISE

Nano - Materials

ACADEMIC QUALIFICATION

2016 **PhD** - Sains (fizik)

2012 **Bachelor** - Sains (fizik Bahan)

RESEARCH

1. EVALUATION OF THE ROLE OF DOPING COMPOSITION IN ZNO/C ANODE MATERIALS FOR PROTON BATTERIES: INSIGHTS FROM STRUCTURAL TO CONDUCTIVITY INVESTIGATIONS

2024 | GERAN KPT | ON GOING | MAIN RESEARCHER

2. MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA

2024 | GERAN PEMBANGUNAN INOVASI (GPI) | ON GOING | CO-RESEARCHER

3. ENHANCING IONIC CONDUCTING PROPERTIES OF 2HYDROXYETHYL CELLULOSE-BASED POLYMERS VIA AMMONIUM FORMATE DOPING PROCESS FOR ENERGY STORAGE APPLICATION

2023 | GERAN PENYELIDIKAN PENTADBIR | ON GOING | CO-RESEARCHER

4. HYBRID ZNO NANOPARTICLES-BIOCHAR MATERIALS IN PHOTOCATALYTIC OPTICAL FIBER SENSOR FOR WASTEWATER TREATMENT APPLICATION

2023 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

5. TRANSPORT PROPERTIES OF CELLULOSE DERIVATIES BASED POLYMER ELECTROLYTE DOPED WITH IONIC LIQUIDS USING SPECTROSCOPY METHODS

2023 | GERAN KPT | ON GOING | CO-RESEARCHER

RESEARCH

6. STRUCTURAL AND ELECTRICAL PROPERTIES OF SI/ZNO/C AND SI/ZN/C NANOSTRUCTURE COMPOSITES AS ANODE USING HOT TUBE THERMAL EVAPORATION SYSTEM FOR HIGH CAPACITY BATTERIES

2021 | GERAN PENYELIDIKAN USIM | ON GOING | MAIN RESEARCHER

7. CHARACTERIZATION OF TIN-DOPED ZINC OXIDE NANOWIRES SYNTHESIZED BY HOT-TUBE THERMAL EVAPORATION METHOD

2018 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

8. ANALYZING PERFORMANCE OF RANDOM LASERS AS THE OPTICAL DEVICES FOR BIOSENSING AND MEDICAL APPLICATIONS

2018 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

PUBLICATION

1. DEVELOPMENT OF AN AUTOMATIC SUN TRACKING SYSTEM ON SOLAR PANELS AS ELECTRIC POWER SUPPLIER AT SMART GARDEN

JOURNAL OF RENEWABLE ENERGIES

2025 | JOURNAL | OTHER DATABASE | CO-AUTHOR

2. THE INFLUENCE OF AMMONIUM FORMATE CONCENTRATION ON THE ELECTRICAL PERFORMANCE OF 2 HYDROXYETHYL CELLULOSE SOLID BIOPOLYMER ELECTROLYTE

JOURNAL OF ADVANCED RESEARCH IN FLUID MECHANICS AND THERMAL SCIENCES

2025 | JOURNAL | OTHER DATABASE | CO-AUTHOR

3. HARNESSING GREEN NITROGEN-DOPED ZINC OXIDE FOR EFFICIENT METHYLENE BLUE DYE PHOTOCATALYTIC DEGRADATION IN WASTEWATER TREATMENT

MALAYSIAN JOURNAL OF SCIENCE, HEALTH & TECHNOLOGY

2025 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

4. PREPARATION AND CHARACTERIZATION OF RICE HUSK BIOCHAR-BASED CHEMICAL ACTIVATED CARBON IN VARYING PARTICLE SIZE

KARYA INTERNATIONAL JOURNAL OF BIOFUEL AND BIOENERGY

2025 | JOURNAL | MYCITE | CORRESPONDING AUTHOR

5. SYNTHESIS AND CHARACTERIZATION OF ANODIC ALUMINA OXIDE USING OXALIC ACID AS ELECTROLYTE SOLUTION

APPLIED MECHANICS AND MATERIALS

2025 | JOURNAL | OTHER DATABASE | CO-AUTHOR

6. EFFECT OF DYE EXTRACTION FROM MANGOSTEEN PERICARP WITH DIFFERENT EXTRACTION SOLVENTS FOR DSSC FABRICATION OF DYE EXTRACTION FROM MANGOSTEEN PERICARP WITH DIFFERENT EXTRACTION SOLVENTS FOR DSSC FABRICATION

APPLIED MECHANICS AND MATERIALS

2025 | JOURNAL | SCOPUS | CO-AUTHOR

PUBLICATION

7. NANOSCIENCE ENGINEERING MATERIALS AND CONSTRUCTION

2025 BOOK

8. MECHATRONICS AND MONITORING SYSTEMS, AND MATERIALS FOR OPTICS AND ELECTRONICS

2025 BOOK

9. GREEN BREW WASTE TO BATTERY

2025 BOOK

10. CHAPTER 8 CHIPCASE CIRCUIT XP

BRIDGING IDEAS TO IMPACT: A JOURNEY THROUGH DISCOVERY AND INNOVATION

2025 CHAPTER IN BOOK CO-AUTHOR

11. CHAPTER 4 COMPARATIVE STUDY OF STRUCTURAL PROPERTIES OF RICE HUSK AND COFFEE WASTE DERIVED ACTIVATED CARBON FOR HIGH PERFORMANCE ENERGY STORAGE

BRIDGING IDEAS TO IMPACT A JOURNEY THROUGH DISCOVERY AND INNOVATION SERIES 4

2025 CHAPTER IN BOOK CORRESPONDING AUTHOR

12. CHAPTER 7 HOHM DASH A SEMICONDUCTOR RACE TO THE FINISH

BRIDGING IDEAS TO IMPACT A JOURNEY THROUGH DISCOVERY AND INNOVATION

2025 CHAPTER IN BOOK CO-AUTHOR

13. THE INFLUENCE OF VARYING AR/O2GAS RATIO WITH CATALYST-FREE GROWTH BY HOMEMADE THERMAL EVAPORATION TECHNIQUE

JOURNAL OF ADVANCED RESEARCH IN FLUID MECHANICS AND THERMAL SCIENCES

2024 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

14. STRUCTURAL AND ELECTROCHEMICAL PROPERTIES OF BINARY ZNO:AL NANOCOMPOSITES AS ANODE FOR LITHIUM-ION BATTERIES

MALAYSIAN JOURNAL OF SCIENCE, HEALTH & TECHNOLOGY

2024 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

15. COMPUTATIONAL SIMULATION AND EXPERIMENTAL ANALYSIS OF ACTIVATED CARBON FROM AGRICULTURAL WASTE AS ELECTROMAGNETIC ABSORBER

JOURNAL OF ADVANCED RESEARCH IN APPLIED MECHANICS

2024 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

16. STRUCTURAL AND ELECTROCHEMICAL PROPERTIES OF BINARY ZNO:AL NANOCOMPOSITES AS ANODE FOR LITHIUM-ION BATTERIES

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2024 JOURNAL OTHER DATABASE CO-AUTHOR

17. LASER APPLICATION IN AESTHETIC MEDICINE FROM HEAD TO TOE HUMAN BODY

2024 BOOK EDITOR

PUBLICATION

18. MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA

DEVELOPMENT RESEARCH & INNOVATION

2024 | CHAPTER IN BOOK | CO-AUTHOR

19. A REVIEW STUDY OF BINARY AND TERNARY ZNO/C COMPOSITES AS ANODES FOR HIGH-CAPACITY LITHIUM-ION BATTERIES

IONICS

2023 | JOURNAL | INDEXED BY ISI, SCOPUS AND ERA | CORRESPONDING AUTHOR

20. MODELLING BACKSCATTERED LIGHT IN FIBRE OPTIC BASED ON LIGHT PROPAGATION

ASM SCIENCE JOURNAL

2023 | JOURNAL | INDEXED BY SCOPUS | CORRESPONDING AUTHOR

21. THE ADVANCEMENT OF IOT-BASED SMART SWITCHABLE FILM FOR SECURITY AND PRIVACY MANAGEMENT

11TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY 2022

2023 | PROCEEDING | NON-INDEX | CORRESPONDING AUTHOR

22. THE ADVANCEMENT OF SEMICONDUCTOR MATERIALS AND DEVICES IN AGRICULTURE

2023 | BOOK | MAIN AUTHOR

23. SMART AUTOMATIC COOLING SYSTEM WITH REDUCED HUMIDITY EFFECT FOR PET HOUSE DURING COVID-19 CRISIS

ASM SCIENCE JOURNAL

2022 | JOURNAL | INDEXED BY SCOPUS | CORRESPONDING AUTHOR

24. DEVELOPMENT OF SMART ELECTROCHROMIC FILM DEVICE

MULTIDISCIPLINARY APPLIED RESEARCH AND INNOVATION

2022 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

25. TRENDS OF SEMICONDUCTOR FABRICATION AND APPLICATION

2022 | BOOK | MAIN AUTHOR

26. DEVELOPMENT OF INNOVATIVE PROPHETIC FOOD: EFFECT OF DIFFERENT GENOTYPES OF BARLEY (SHAEER) ON QUALITY CHARACTERISTICS OF INSTANT TALBINA DRINK

JURNAL SAINS INSANI

2021 | JOURNAL | INDEX BY MYCITE 2019 | CORRESPONDING AUTHOR

27. THE SYNTHESIS AND CHARACTERIZATION OF ANODIC ALUMINA OXIDE USING SULFURIC ACID AND OXALIC ACID

NANO HYBRIDS AND COMPOSITES

2021 | JOURNAL | WOS | CORRESPONDING AUTHOR

28. A REVIEW ON THERMAL EVAPORATION METHOD TO SYNTHESIS ZINC OXIDE AS PHOTOCATALYTIC MATERIAL

NANO HYBRIDS AND COMPOSITES

2021 | JOURNAL | WOS | CORRESPONDING AUTHOR

PUBLICATION

29. AN ILLEGAL DUMPING DETECTION SYSTEM BASED ON IMAGE PROCESSING IN OPENALPR

ASM SCIENCE JOURNAL

2021 | JOURNAL | SCOPUS | CORRESPONDING AUTHOR

30. NANO HYBRIDS AND COMPOSITES VOL. 31

NANO HYBRIDS AND COMPOSITES

2021 | CHAPTER IN BOOK | EDITOR

31. DEVELOPMENT OF AUTOMATED MINI GREENHOUSE EMBEDDED WITH ARDUINO

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ENGINEERING INNOVATION

2020 | JOURNAL | OTHER DATABASE | MAIN AUTHOR / CONTACT PERSON IN USIM

32. OPTIMIZATION OF DYE EXTRACTION FROM PURPLE CABBAGE AND CORDYLINE FRUTICOSA IN DYE-SENSITIZED SOLAR CELL

SOLID STATE PHENOMENA

2020 | JOURNAL | INDEXED BY ERA | CORRESPONDING AUTHOR

33. ACCEPTABILITY OF NOVEL ANTIOXIDANT ICE CREAM FORTIFIED WITH NUTRITIOUS CARICA PAPAYA SEED

JOURNAL OF ACADEMIA

2020 | JOURNAL | OTHER DATABASE | CO-AUTHOR

34. ACCEPTABILITY OF NOVEL ANTIOXIDANT ICE CREAM FORTIFIED WITH NUTRITIOUS CARICA PAPAYA SEED

JOURNAL OF ACADEMIA

2020 | JOURNAL | MYCITE | MAIN AUTHOR / CONTACT PERSON IN USIM

35. DIAMOND THIN FILM AS A PHOTOCATALYST FOR PHOTODEGRADATION OF DYES

MALAYSIAN JOURNAL OF CHEMISTRY

2020 | JOURNAL | SCOPUS | CO-AUTHOR

36. ZNO COATED OPTICAL FIBER FOR ALCOHOL SENSING APPLICATIONS

SOLID STATE PHENOMENA

2020 | JOURNAL | INDEXED BY SCOPUS | MAIN AUTHOR

37. PCM-BASED FOR HEAT STORAGE IN SOLAR-THERMAL CONVERTER

SOLID STATE PHENOMENA

2020 | JOURNAL | INDEXED BY ERA | CO-AUTHOR

38. QUALITY ACCEPTANCE AND TEXTURE PROFILE OF WHITE LOAF FOMULATED WITH MAZAFATI DATES (PHOENIX DACTYLIFERA LINN) SEED FLOUR

SEMINAR ANTARABANGSA ISLAM DAN SAINS

2020 | PROCEEDING | NON-INDEX | CO-AUTHOR

39. PRINCIPLES AND CHARACTERISTICS OF RANDOM LASERS AND THEIR APPLICATIONS IN MEDICAL, BIOIMAGING AND BIOSENSING

THE 2ND INTERNATIONAL CONFERENCE ON APPLIED PHOTONICS AND ELECTRONICS 2019 (INCAPE 2019)

2020 | PROCEEDING | NON-INDEX | CO-AUTHOR

PUBLICATION

40. OPTIMIZATION OF DYE EXTRACTION FROM TURMERIC (CURCUMA LONGA L.) AND HENNA LEAVES (LAWSONIA INERMIS L.) IN DYE SENSITIZED SOLAR CELL

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2020

2020 | PROCEEDING | NON-INDEX | CORRESPONDING AUTHOR

41. SOLID STATE PHENOMENA VOL. 307

SOLID STATE SCIENCE AND TECHNOLOGY XXX

2020 | CHAPTER IN BOOK | EDITOR

42. ALKALI TREATMENT ON HYBRID PINEAPPLE LEAF AND GLASS FIBRE REINFORCED EPOXY COMPOSITES

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2019 | JOURNAL | OTHERS DATABASE | MAIN AUTHOR

43. EFFECT OF NATURAL DYE SENSITIZERS TOWARDS THE IMPROVEMENT OF DYE-SENSITIZED SOLAR CELL (DSSC) EFFICIENCY

RECENT ADVANCEMENT ON APPLIED PHYSICS, INDUSTRIAL CHEMISTRY AND CHEMICAL TECHNOLOGY: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2017 (ICORAST2017)

2019 | PROCEEDING | NON-INDEX | MAIN AUTHOR

44. PRINCIPLES AND CHARACTERISTICS OF RANDOM LASERS AND THEIR APPLICATIONS IN MEDICAL, BIOIMAGING AND BIOSENSING

THE 2ND INTERNATIONAL CONFERENCE ON APPLIED PHOTONICS AND ELECTRONICS 2019 (INCAPE 2019)

2019 | PROCEEDING | NON-INDEX | CO-AUTHOR

45. THE STRUCTURAL PROPERTIES OF SN-DOPED ZINC OXIDE SYNTHESIZED BY HOT-TUBE THERMAL EVAPORATION

RECENT ADVANCEMENT ON APPLIED PHYSICS, INDUSTRIAL CHEMISTRY AND CHEMICAL TECHNOLOGY: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2017 (ICORAST2017)

2018 | PROCEEDING | NON-INDEX | MAIN AUTHOR

46. OPTIMIZATION OF DYE EXTRACTION FROM PURPLE CABBAGE AND CORDYLINE FRUTICOSA IN DYE-SENSITIZED SOLAR CELL

REGIONAL CONFERENCE SOLID STATE SCIENCE AND TECHNOLOGY 2018

2018 | PROCEEDING | NON-INDEX | MAIN AUTHOR

47. MQ-2 GAS DETECTION BY USING ARDUINO MICROCONTROLLER AND NODE MCU ESP8266 FOR HOME SAFETY

APPLIED SCIENCES UNDERGRADUATE RESEARCH COLLOQUIUM

2018 | PROCEEDING | NON-INDEX | CO-AUTHOR

48. A REVIEW OF ZT MEASUREMENT FOR BULK THERMOELECTRIC MATERIAL

RECENT ADVANCEMENT ON APPLIED PHYSICS, INDUSTRIAL CHEMISTRY AND CHEMICAL TECHNOLOGY: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2017 (ICORAST2017)

2018 | PROCEEDING | NON-INDEX | CO-AUTHOR

PUBLICATION

49. A REVIEW ON FABRICATION METHODS FOR SEGMENTED THERMOELECTRIC STRUCTURE

RECENT ADVANCEMENT ON APPLIED PHYSICS, INDUSTRIAL CHEMISTRY AND CHEMICAL TECHNOLOGY: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2017 (ICORAST2017)

2018 PROCEEDING NON-INDEX CO-AUTHOR

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

RECENT ADVANCEMENT ON APPLIED PHYSICS, INDUSTRIAL CHEMISTRY AND CHEMICAL TECHNOLOGY: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2017 (ICORAST2017)

2018 PROCEEDING NON-INDEX CO-AUTHOR

51. STRUCTURAL PROPERTIES OF SN-DOPED ZINC OXIDE SYNTHESIZED BY HOT-TUBE THERMAL EVAPORATION

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE & TECHNOLOGY

2017 PROCEEDING NON-INDEX MAIN AUTHOR

52. EFFECT OF ALKALI TREATMENT ON THE WATER ABSORPTION OF HYBRID PINEAPPLE LEAF/ GLASS FIBRE REINFORCED EPOXY

SEMINAR ANTARABANGASA ISLAM DAN SAINS (SAIS) 2018

2017 PROCEEDING NON-INDEX MAIN AUTHOR

53. OPTIMIZATION OF DYE EXTRACTION FROM PURPLE CABBAGE AND CORDYLINE FRUTICOSA IN DYE-SENSITIZED SOLAR CELL

FINAL YEAR PROJECT SYMPOSIUM

2017 PROCEEDING NON-INDEX CO-AUTHOR

54. EFFECT OF NATURAL DYE SENSITIZERS TOWARDS THE IMPROVEMENT OF DYE-SENSITIZED SOLAR CELL (DSSC) EFFICIENCY

FINAL YEAR PROJECT SYMPOSIUM FST

2017 PROCEEDING NON-INDEX CO-AUTHOR

55. A REVIEW OF ZT MEASUREMENT FO BULK THERMOELECTRIC MATERIAL

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE & TECHNOLOGY (ICORAST)

2017 PROCEEDING NON-INDEX CO-AUTHOR

56. A REVIEW ON FABRICATION AND ELECTRICAL CONTACT FOR SEGMENTED THERMOELECTRIC STRUCTURE

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY (ICORAST)

2017 PROCEEDING NON-INDEX CO-AUTHOR

57. EFFECT OF GAS FLOW RATE ON STRUCTURAL PROPERTIES OF ZINC OXIDE NANOWIRES GROWN BY VAPOR-SOLID MECHANISM

INTERNATIONAL CONFERENCE ON NANO-ELECTRONIC TECHNOLOGY DEVICES AND MATERIALS 2015 (IC-NET 2015)

2017 PROCEEDING NON-INDEX CO-AUTHOR

58. THE SYNTHESIS OF CUPROUS OXIDE NANOWIRES IN THE PRESENCE OF OXYGEN USING A HOT TUBE THERMAL EVAPORATION METHOD

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2015 JOURNAL SCOPUS CO-AUTHOR

PUBLICATION

59. A CATALYST-FREE GROWTH OF ALUMINUM-DOPED ZNO NANORODS BY THERMAL EVAPORATION

NANOSCALE RESEARCH LETTERS

2014 JOURNAL WOS MAIN AUTHOR

60. SYNTHESIS OF CU2O AND ZNO NANOWIRES AND THEIR HETEROJUNCTION NANOWIRES BY THERMAL EVAPORATION: A SHORT REVIEW

JURNAL TEKNOLOGI

2014 JOURNAL SCOPUS CO-AUTHOR

61. ZINC OXIDE NANOWIRES SYNTHESIZED USING A HOT TUBE THERMAL EVAPORATION UNDER INTERMEDIATE HEATING PERIOD

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2013 JOURNAL SCOPUS CO-AUTHOR

CONSULTATION

1. KOSIST 2018

FST USIM

2018 INTERNATIONAL

AWARDS/RECOGNITION

1. EDITOR'S CHOICE ARTICLE AWARD

2025 INTERNATIONAL

2. ANUGERAH PENERBITAN BUKU

2025 UNIVERSITY

3. ANUGERAH PENERBITAN BUKU

2025 UNIVERSITY

4. ANUGERAH PENERBITAN JURNAL BERINDEKS WOS/SCOPUS/MYCITE

2025 UNIVERSITY

5. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2025 UNIVERSITY

6. ANUGERAH INOVASI

2025 UNIVERSITY

7. VISITING LECTURER (PENSYARAH PELAWAT)

MALIKI ISLAMIC UNIVERSITY

2025 INTERNATIONAL

AWARDS/RECOGNITION

8. TRAINER / FACILITATOR

STEM CAMP MOSTI FAST LAB

2025 NATIONAL

9. HOHM-DASH:A SEMICONDUCTOR RACE TO THE FINISH

2nd INTERNATIONAL DEVELOPMENT, RESEARCH & INNOVATION EXHIBITION (iDRIVE'25)

2025 ANTARABANGSA GOLD

10. CHIPCHASE CIRCUITXP

2nd INTERNATIONAL DEVELOPMENT, RESEARCH & INNOVATION EXHIBITION (iDRIVE'25)

2025 ANTARABANGSA SILVER

11. COMPARATIVE STUDY OF STRUCTURAL PROPERTIES OF RICE HUSK AND COFFEE WASTE-DERIVED ACTIVATED CARBON FOR HIGH PERFORMANCE ENERGY

2nd INTERNATIONAL DEVELOPMENT, RESEARCH & INNOVATION EXHIBITION (iDRIVE'25)

2025 ANTARABANGSA GOLD

12. GREEN ENERGY BREW: COFFEE WASTE-DERIVED ZINC OXIDE COMPOSITES FOR LITHIUM-ION BATTERIES

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA SILVER

13. ANUGERAH PENSYARAH SPORTING

2024 OTHERS

14. ANUGERAH PENERBITAN BUKU ILMIAH

2024 UNIVERSITY

15. ANUGERAH E-NILAI TERBAIK

2024 UNIVERSITY

16. ANUGERAH PENERBITAN JURNAL BERINDEKS WOS/SCOPUS/MYCITE

2024 UNIVERSITY

17. IOT ENHANCED SMART SENSORS: BRING OBSERVATORY CLOSER TO HOME

MINGGU PENYELIDIKAN INOVASI MPI 2024

2024 KEBANGSAAN GOLD

18. LOT ENHANCED SMART SENSORS: BRINGING OBSERVATORY CLOSER TO HOME

Minggu Penyelidikan dan Inovasi 2024

2024 ANTARABANGSA GOLD

19. MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA

VIRTUAL INNOVATION COMPETITION 2024

2024 ANTARABANGSA SILVER

AWARDS/RECOGNITION

20. COMPUTATIONAL SIMULATION AND EXPERIMENTAL ANALYSIS OF ACTIVATED CARBON FROM AGRICULTURE WASTE AS ELECTROMAGNETIC ABSORBER

Semarak International Research Article Competition 2024 (SIRAC 2024)

2024 ANTARABANGSA BEST PAPER AWARD

21. SUSTAINABLE LITHIUM-ION BATTERIES: A COMPARATIVE STUDY OF COFFEE POWDER AND RICE HUSK ACTIVATED CARBON

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI GOLD

22. G-SWIFTSCAN: RAPID DETECTION OF GOLD AUTHENTICITY

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI SILVER

23. IOT ENHANCED SMART SENSORS: BRING OBSERVATORY CLOSER TO HOME

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI GOLD

24. MASKYLINK:DISCOVERING ASTRONOMY PHENOMENA

1st International Development Research & Innovation Virtual Exhibition (IDRIVE)

2024 ANTARABANGSA GOLD

25. SOLAR-POWERED CHARGING STATION WITH LED LIGHT AND WIRELESS CHARGER

SCIENCE AND TECHNOLOGY RESERACH EXPO (SCITEX@20TH FST)

2023 UNIVERSITI BRONZE

26. DEVELOPMENT OF AN AUTOMATED SOLAR-POWERED FLOOD MONITORING AND WARNING SYSTEM

SCIENCE AND TECHNOLOGY RESERACH EXPO (SCITEX@20TH FST)

2023 UNIVERSITI BRONZE

27. MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA

SCIENCE AND TECHNOLOGY RESERACH EXPO (SCITEX@20TH FST)

2023 UNIVERSITI GOLD

28. PLEARN JEUX: AN ELECTRONIC PHYSICS BOARD GAME

NATIONAL INNOVATION AND INVENTION COMPETITION 2022 (NIICE 2022)

2022 KEBANGSAAN GOLD

29. SMART BI-CAR

NATIONAL INNOVATION AND INVENTION COMPETITION 2022 (NIICE 2022)

2022 KEBANGSAAN SILVER

30. P-LEARN JEUX: A PHYSICS ELECTRONIC BOARD GAME

INTERNATIONAL SCIENCE AND SOCIAL SCIENCE INNOVATION COMPETITION (i-SIC IV)

2022 ANTARABANGSA SILVER

AWARDS/RECOGNITION

31. CHEWDO-A HYGIENIC AND TASTY BARLEY EDIBLE SPOON AS AN ALTERNATIVE AMID COVID-19

INTERNATIONAL INNOVATION COMPETITION INNOCOM II,2021

2021 ANTARABANGSA SILVER

32. WASTE TO ENERGY MODULE CATEGORY SCIENCE AND TECHNOLOGY

INTERNATIONAL INNOVATION COMPETITION INNOCOM II,2021

2021 ANTARABANGSA BRONZE

33. WASTE TO ENERGY MODULE

INTERNATIONAL INNOVATION COMPETITION INNOCOM II,2021

2021 ANTARABANGSA CERTIFICATE OF APPRECIATION

34. IOT-BASED SMART SWITCHABLE FILM: NEW SAFETY AND PRIVACY MANAGEMENT

NATIONAL INVENTION & INNOVATION COMPETITION 2021 (YOUTH)

2021 KEBANGSAAN SILVER

35. ARDU-ELECTROCHROMIC FILM DEVICE FOR SAFETY AND PRIVACY PURPOSE

INTERNATIONAL EXHIBITION & SYMPOSIUM ON PRODUCTIVITY, INNOVATION, KNOWLEDGE & EDUCATION (I-SPIKE 202

2021 ANTARABANGSA SILVER

36. R-GO PUZZLE GAME

INNOVATION BANK CHALLENGE (IBC 2021)

2021 UNIVERSITI CERTIFICATE OF APPRECIATION

37. ARDU-ELECTROCHROMIC FILM FOR HOME SAFETY AND PRIVACY PURPOSE

INNOVATION BANK CHALLENGE (IBC 2021)

2021 UNIVERSITI GOLD

38. ARDU ELECTROCHROMIC FILM FOR HOME SAFETY AND PRIVACY PURPOSE

32nd INTERNATIONAL INVENTION,INNOVATION & TECHNOLOGY EXHIBITION,MALAYSIA (ITEX 2021)

2021 ANTARABANGSA GOLD

39. SMART BRAN DISPENSER FOR ANIMAL HUSBANDRY PURPOSE

8th APPRENTICE INNOVATION & RESEARCH EXHIBITION 2020 (AIREX)

2020 KEBANGSAAN BRONZE

40. HOW DO WASTE MATERIAL PRODUCE ELECTRICITY (WASTE-TO-ENERGY)

INVENTION,INNOVATION AND DESIGN EXPOSITION 2020 (IIDEX2020)

2020 ANTARABANGSA SILVER

41. FAST LAB: EDUCATIONAL SCIENCE KIT

MALAYSIA TECHNOLOGY EXPO 2020 (THE 19th INTERNATIONAL EXPO ON INVENTIONS AND INNOVATIONS) MTE 2020

2020 ANTARABANGSA GOLD

42. ANUGERAH LIBATSAMA KOMUNITI - KATEGORI PROJEKT

2019 UNIVERSITY

AWARDS/RECOGNITION

43. AUTOMATED MINI GREEN HOUSE CONTROLLER WITH ARDUINO

MELAKA INTERNATIONAL INTELLECTUAL EXPOSITION (MIIIEx 2019)

2019 ANTARABANGSA BRONZE

44. AUTOMATED MINI GREENHOUSE CONTROLLER WITH ARDUINO

MELAKA INTERNATIONAL INTELLECTUAL EXPOSITION 2019

2019 ANTARABANGSA CERTIFICATE OF APPRECIATION

45. SCIENCE AND TECHNOLOGY EMBRACING YOUTH GENERATION

FST: POSTGRADUATE COLLOQUIUM 2018 (KOSIST2018)

2018 UNIVERSITI CERTIFICATE OF APPRECIATION

46. SESSION CHAIR

30TH REGIONAL CONFERENCE ON SOLID STATE SCIENCE & TECHNOLOGY (RCSSST18)

2018 ANTARABANGSA CERTIFICATE OF APPRECIATION

47. OPTIMIZATION OF DYE EXTRACTION FROM PURPLE CABBAGE AND CORDYLINE FRUITKOSA IN DYE-SENSITIZED SOLAR CELL

30TH REGIONAL CONFERENCE ON SOLID STATE SCIENCE & TECHNOLOGY (RCSSST18)

2018 ANTARABANGSA CERTIFICATE OF APPRECIATION