Profile Image

DR. MARINAH BINTI OTHMAN

PENSYARAH UNIVERSITI DS13

CONTACT

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E-MAIL
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FACULTY
Fakulti Kejuruteraan Dan Alam Bina

SUPERVISION

	COMPLETED	ONGOING
PhD	0	2
Master	1	1

AREAS OF EXPERTISE

- Optical/photonic Sensor
- Computational Simulation And Modelling
- Semiconductor Materials And Devices Physics

ACADEMIC QUALIFICATION

- 2010 **PhD** - Laser
- 2002 **Master** - Engineering Science
- 1998 **Bachelor** - Electronic & Electrical Engineering

RESEARCH

1. **ANOMALY DETECTION IN WATER QUALITY PARAMETERS AND POLLUTION PREDICTION BASED ON REGRESSION AND RANDOM FOREST THEORY**
   2026 | GERAN SEPADAN ANTARABANGSA | ON GOING | CO-RESEARCHER
2. **GOLD AUTHENTICATION SYSTEM**
   2025 | GERAN PENYELIDIKAN INDUSTRI | ON GOING | CO-RESEARCHER
3. **UAV-BASED AUTOMATED OIL PALM TREE DETECTION AND COUNTING**
   2025 | GERAN PENYELIDIKAN INDUSTRI | ON GOING | MAIN RESEARCHER
4. **SURFACE PLASMON RESONANCE-BASED PHOTONIC CRYSTAL FIBER SENSOR FOR ACCURATE MICROPLASTIC DETECTION IN WATER USING ARTIFICIAL NEURAL NETWORKS**
   2025 | GERAN KPT | ON GOING | MAIN RESEARCHER
5. **DEVELOPMENT OF MOBILE APPLICATION FOR "EDUCATIONAL GAMES FOR KIDS WITH LEARNING DISABILITIES: KID WONDERS - KINDERS"**
   2022 | GERAN PENYELIDIKAN AGENSI KERAJAAN | COMPLETED | CO-RESEARCHER

RESEARCH

6. DEVELOPMENT OF LASER ILLUMINATION WARNING SYSTEM BASED ON LASER PHOTODIODE AND DETECTION TECHNOLOGY

2022 | GERAN PENYELIDIKAN INDUSTRI | COMPLETED | CO-RESEARCHER

7. STUDY OF RAINFALL EFFECT TO OPTIMIZE POWER LINES PERFORMANCE

2020 | GERAN PENYELIDIKAN USIM RACER | COMPLETED | CO-RESEARCHER

8. BIOCLIMATIC ARCHITECTURE AND INTEGRATED HYBRID SOLAR COOLING SYSTEM FOR ENGAGING RESILIENT COMMUNITY TO CLIMATE CHANGE

2019 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

9. MODELLING OF QUANTUM BASED TUNNEL DIODE FOR THZ MEDICAL IMAGING

2019 | GERAN PENYELIDIKAN USIM | COMPLETED | CO-RESEARCHER

10. ULTRA-HIGH SENSITIVE BIOANALYTICAL DETERMINATION OF LARD USING NANOHYBRID BIOSENSING APPROACH AS A TOOL FOR HALAL PRODUCT INVESTIGATION

2018 | GERAN PENYELIDIKAN KHAS | ON GOING | CO-RESEARCHER

11. MIZAN SOLAR HOME MODEL FOR SUSTAINABLE LIVELIHOOD

2017 | GERAN PENYELIDIKAN KHAS | COMPLETED | CO-RESEARCHER

12. DETERMINATION OF ZT FOR SEGMENTED THERMOELECTRIC GENERATOR (TEG) UNDER LARGE TEMPERATURE DIFFERENCE (L?T) USING "OPEN-SHORT CIRCUIT" TECHNIQUE

2015 | GERAN KPT | COMPLETED | CO-RESEARCHER

13. AB INITIO CALCULATION OF VIBRATIONAL SPECTRA OF ZINC CLUSTER OF THE STANNITE-KESTERITE AND THE RAMAN SPECTRA

2013 | GERAN KPT | COMPLETED | CO-RESEARCHER

14. NEW POLYNOMIAL FOR LINEAR FEEDBACK SHIFT REGISTERS (LFSRS)-BASED A5/1 STREAM CIPHERS FOR GSM COMMUNICATIONS

2013 | GERAN KPT | COMPLETED | CO-RESEARCHER

PUBLICATION

1. I-V CHARACTERISTICS OF GAAS/ALAS ASYMMETRIC SPACER LAYER TUNNEL DIODE (ASPAT) USING STATISTICAL VALIDATION

JOURNAL OF SCIENCE AND TECHNOLOGY

2025 | JOURNAL | MYCITE | CO-AUTHOR

2. SIMULATION OF A DUAL-SIDE POLISHED PHOTONIC CRYSTAL FIBER FOR SURFACE PLASMON RESONANCE SENSING

JURNAL OPTOELEKTRONIK

2025 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

PUBLICATION

3. NUMERICAL OPTIMIZATION OF A SINGLE-MODE FIBER-BASED SPR SENSOR FOR AIR CONTAMINANT DETECTION APPLICATIONS

JURNAL OPTOELEKTRONIK

2025 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

4. ASSISTIVE PRAYER TECHNOLOGY: DEVELOPING A RAKAAT TRACKING SYSTEM FOR ELDERLY MUSLIMS WITH PHYSICAL LIMITATIONS

JOURNAL OF TOMOGRAPHY SYSTEM & SENSORS APPLICATION

2025 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

5. EXPLORING LIDAR AS A SCALABLE PHOTONIC ALTERNATIVE TO TURBIDIMETERS FOR WATER TURBIDITY MONITORING

JURNAL OPTOELEKTRONIK

2025 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

6. POLYMER COMPOSITE BASED NO-CORE FIBER STRUCTURE AS REFRACTIVE INDEX SENSOR

THE 10TH INTERNATIONAL CONFERENCE ON COMPOSITE MATERIALS AND MATERIAL ENGINEERING

2025 PROCEEDING SCOPUS CO-AUTHOR

7. SIMULATION-BASED ULTRASONIC WAVE ANALYSIS FOR NON-DESTRUCTIVE GOLD AUTHENTICATION

2025 INTERNATIONAL CONFERENCE ON SCIENCE, BUILT ENVIRONMENT AND ENGINEERING

2025 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

8. CONCEPTUAL MODELLING OF GOLD AUTHENTICATION SYSTEM BASED ON ULTRASOUND PROPAGATION ANALYSIS

2025 INTERNATIONAL CONFERENCE ON SCIENCE, BUILT ENVIRONMENT AND ENGINEERING

2025 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

9. TORQUE ASSESSMENT FOR LOW VOLTAGE AERIAL BUNDLE CABLE (ABC) INSULATED PIERCING CONNECTOR (IPC) USING AI ANALYSIS

2024 IEEE INTERNATIONAL CONFERENCE ON APPLIED ELECTRONICS AND ENGINEERING

2024 PROCEEDING SCOPUS CO-AUTHOR

10. PRELIMINARY STUDY ON LIDAR PERFORMANCE IN VIBRATION MEASUREMENT

IEEE ASIA-PACIFIC CONFERENCE ON APPLIED ELECTROMAGNETICS

2024 PROCEEDING SCOPUS CO-AUTHOR

11. HANDOVER PERFORMANCE OF MOBILITY ROBUSTNESS OPTIMIZATION FOR BEYOND 5G NETWORKS

2024 IEEE 14TH SYMPOSIUM ON COMPUTER APPLICATIONS & INDUSTRIAL ELECTRONICS

2024 PROCEEDING SCOPUS CO-AUTHOR

12. INVESTIGATION OF TRENCH NO-CORE FIBER SENSOR FOR HIGH REFRACTIVE INDEX SENSING

2024 14TH INTERNATIONAL CONFERENCE ON SYSTEM ENGINEERING AND TECHNOLOGY (ICSET)

2024 PROCEEDING SCOPUS CO-AUTHOR

PUBLICATION

13. SINGLE MODE FIBER BASED SPR SENSOR FOR THE DETECTION OF AIR CONTAMINANTS

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2024

2024 | PROCEEDING | OTHER DATABASE | MAIN AUTHOR

14. COMPUTATIONAL ANALYSIS OF NO-CORE FIBER SENSOR FOR DETECTING AGING TRACES IN TRANSFORMER OIL

2024 IEEE INTERNATIONAL CONFERENCE ON ADVANCED TELECOMMUNICATION AND NETWORKING TECHNOLOGIES

2024 | PROCEEDING | NON-INDEX | CO-AUTHOR

15. SURFACE PLASMON RESONANCE BASED PCF SENSOR FOR DOM DETECTION

2024 IEEE INTERNATIONAL CONFERENCE ON APPLIED ELECTRONICS AND ENGINEERING

2024 | PROCEEDING | NON-INDEX | MAIN AUTHOR

16. A COMSOL MULTIPHYSICS FOR POLY (VINYL-ALCOHOL) PVA HYDROGEL EFFECT ON PHOTOVOLTAIC SOLAR CELL BY USING HEAT TRANSFER MODULE

2024 IEEE INTERNATIONAL CONFERENCE ON APPLIED ELECTRONICS AND ENGINEERING (ICAEE)

2024 | PROCEEDING | SCOPUS | MAIN AUTHOR

17. TEMPERATURE DEPENDENT GAIN AND NOISE ANALYSIS OF AN ERBIUM DOPED FIBER AMPLIFIER WITH DIFFERENT PUMPING CONFIGURATIONS

ADVANCEMENT IN ENGINEERING AND TECHNOLOGY

2024 | CHAPTER IN BOOK | MAIN AUTHOR

18. A5/1 STREAM CIPHER IN GLOBAL SYSTEM FOR MOBILE (GSM) (EMPIRICAL PERSPECTIVES).

ADVANCEMENT IN ENGINEERING AND TECHNOLOGY

2024 | CHAPTER IN BOOK | CO-AUTHOR

19. HANDOVER PARAMETER FOR SELF-OPTIMISATION IN 6G MOBILE NETWORKS: A SURVEY

AEJ - ALEXANDRIA ENGINEERING JOURNAL

2023 | JOURNAL | SCOPUS | CO-AUTHOR

20. CRYPTOGRAPHY (STREAM CIPHER) IN HARDWARE IMPLEMENTATION

TECHNOLOGIES IN SCIENCE AND ENGINEERING

2023 | CHAPTER IN BOOK | CO-AUTHOR

21. DESIGN OF SINGLE STAGE C BAND ERBIUM DOPED FIBER AMPLIFIER (EDFA) FOR OPTICAL COMMUNICATIONS

TECHNOLOGIES IN SCIENCE AND ENGINEERING

2023 | CHAPTER IN BOOK | MAIN AUTHOR

22. PRINCIPLES, CHARACTERISTICS AND APPLICATIONS OF OPTICAL FIBRE IN TELECOMMUNICATION AND SENSORY SYSTEMS

TECHNOLOGIES IN SCIENCE AND ENGINEERING

2023 | CHAPTER IN BOOK | CO-AUTHOR

23. PRINCIPLES, CHARACTERISTICS AND APPLICATION OF OPTICAL FIBRE IN TELECOMMUNICATION AND SENSORY SYSTEM

TECHNOLOGIES IN SCIENCE AND ENGINEERING: A MULTIDISCIPLINARY APPROACH

2023 | CHAPTER IN BOOK | CO-AUTHOR

PUBLICATION

24. DESIGN OF SINGLE STAGE C BAND ERBIUM DOPED FIBER AMPLIFIER (EDFA) FOR OPTICAL COMMUNICATION

TECHNOLOGIES IN SCIENCE AND ENGINEERING : A MULTIDISCIPLINARY APPROACH

2023 CHAPTER IN BOOK MAIN AUTHOR

25. UTILITY FUNCTION BASED RESOURCE BLOCK SCHEDULING IN WIRELESS NETWORKS

ASIA PACIFIC CONFERENCE ON COMMUNICATIONS 2021

2021 PROCEEDING NON-INDEX CO-AUTHOR

26. EFFECTIVENESS OF EARTHING SYSTEM IN VERTICAL CONFIGURATIONS

INTERNATIONAL CONFERENCE ON ELECTRICAL ENGINEERING AND SMART GRIDS

2021 PROCEEDING NON-INDEX CO-AUTHOR

27. ELECTROCHEMICAL DETECTION OF TRIBUTYRIN USING PRUSSIAN BLUE FUNCTIONALIZED GLASSY CARBON ELECTRODE

IEEE INTERNATIONAL CONFERENCE ON SENSORS AND NANOTECHNOLOGY 2021

2021 PROCEEDING NON-INDEX CO-AUTHOR

28. ANALYSIS OF CURRENT-VOLTAGE CHARACTERISTICS ASSOCIATED TO THE QUANTUM STRUCTURE OF ASYMMETRIC SPACER LAYER TUNNEL DIODE (ASPAT): A PROMISING TERAHERTZ DEVICE

ADVANCES IN SUSTAINABLE LIVING: ENGINEERING & TECHNOLOGY

2021 CHAPTER IN BOOK CO-AUTHOR

29. IMPROVING ELECTRO-THERMAL CALCULATION OF OVERHEAD LINES CONDUCTORS FOR MORE ON-GRID RENEWABLE ENERGY RESOURCES

ADVANCES IN SUSTAINABLE LIVING: ENGINEERING & TECHNOLOGY

2021 CHAPTER IN BOOK CO-AUTHOR

30. EFFECT OF THE DOPING CONCENTRATION AND JUNCTION DEPTH ON THE PERFORMANCE OF SOLAR CELLS

ADVANCES IN SUSTAINABLE LIVING: ENGINEERING & TECHNOLOGY

2021 CHAPTER IN BOOK CO-AUTHOR

31. RADIO OVER FIBRE FREE SPACE OPTICS (ROFSO) SYSTEM

ADVANCES IN SUSTAINABLE LIVING: ENGINEERING & TECHNOLOGY

2021 CHAPTER IN BOOK CO-AUTHOR

32. EFFECT OF THE SLOT SHAPE AND GROUND PLANE ON THE MICROSTRIP PATCH ANTENNA PERFORMANCE

ADVANCES IN SUSTAINABLE LIVING: ENGINEERING & TECHNOLOGY

2021 CHAPTER IN BOOK CO-AUTHOR

33. APPLICATION OF FINITE ELEMENT METHOD (FEM) IN THE ELECTRICAL SAFETY ASSESSMENT

ADVANCES IN SUSTAINABLE LIVING: ENGINEERING & TECHNOLOGY

2021 CHAPTER IN BOOK CO-AUTHOR

34. DC ANALYSIS OF GAAS/ALAS SINGLE BARRIER ASYMMETRIC SPACER TUNNEL DIODE

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2020

2020 PROCEEDING NON-INDEX CO-AUTHOR

PUBLICATION

35. IMPACT OF IDEALITY FACTOR AND SEMICONDUCTING MATERIAL ON PV MODULE PERFORMANCES

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2020

2020 PROCEEDING NON-INDEX CO-AUTHOR

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

THE 2ND INTERNATIONAL CONFERENCE ON APPLIED PHOTONICS AND ELECTRONICS

2020 PROCEEDING NON-INDEX CO-AUTHOR

37. BAND ANTI-CROSSING MODELLING ON TAILORED GA1-XINXN YAS1-Y BAND GAP ENERGY BASED NITROGEN FRACTION

UNIVERSAL JOURNAL OF ELECTRICAL AND ELECTRONIC ENGINEERING

2019 JOURNAL SCOPUS CO-AUTHOR

38. ELECTRICAL PROPERTIES OF A GA0.952IN0.048N0.016AS0.984 P-I-N SCHOTTKY BARRIER DIODE

ASM SCIENCE JOURNAL

2019 JOURNAL SCOPUS CO-AUTHOR

39. FINITE ELEMENT MODELING OF OVERHEAD LINE THERMAL RATING METHOD

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2019

2019 PROCEEDING NON-INDEX CO-AUTHOR

40. PERFORMANCE ANALYSIS OF SISO AND MIMO FSO COMMUNICATION UNDER MALAYSIA WEATHER CONDITION BY EMPLOYING OPTISYSTEM

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2019

2019 PROCEEDING NON-INDEX CO-AUTHOR

41. OUTCOME-BASED EDUCATION FOR ENGINEERING PROGRAMME: A CASE STUDY OF USIM

2019 BOOK MAIN AUTHOR

42. PHOTOVOLTAIC TEHCHNOLOGY: A REVIEW

ADVANCES IN SUSTAINABLE LIVING

2019 CHAPTER IN BOOK MAIN AUTHOR

43. INFLUENCE OF REMOTE EARTH AND IMPULSE POLARITY ON EARTHING SYSTEMS BY FIELD MEASUREMENT

IET SCIENCE, MEASUREMENT & TECHNOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

44. RANDOMNESS EVALUATION OF MODIFIED A5/1 STREAM CIPHER FOR GLOBAL SYSTEM FOR MOBILE COMMUNICATION

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2018 JOURNAL OTHER DATABASE CO-AUTHOR

45. COMPARATIVE PERFORMANCE OF GAINNAS/GAAS MULTI QUANTUM WELL PHOTODETECTOR FOR 1.0?M WAVELENGTH

31ST INTERNATIONAL MICROPROCESSES AND NANOTECHNOLOGY CONFERENCE (MNC2018)

2018 PROCEEDING NON-INDEX CO-AUTHOR

PUBLICATION

46. IMPULSE CHARACTERISTICS OF EARTH ELECTRODES IN DIFFERENT SOIL RESISTIVITY BY FIELD MEASUREMENTS

2018 IEEE PES ASIA-PACIFIC POWER AND ENERGY ENGINEERING CONFERENCE (APPEEC2018)

2018 PROCEEDING NON-INDEX CO-AUTHOR

47. PERFORMANCE COMPARISON ON CURRENT CONSUMPTION BETWEEN ARDUINO NANO AND ARM CORETEX M3 FOR PORTABLE DIALYSIS SYSTEM

IEEE INTERNATIONAL CONFERENCE ON SEMICONDUCTOR ELECTRONICS (ICSE2018)

2018 PROCEEDING NON-INDEX CO-AUTHOR

48. COMPACT U-SHAPED SLOTTED ANTENNA WITH CONDUCTOR-BACKED PLANE FOR ULTRA-WIDEBAND (UWB) APPLICATIONS

3RD INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONIC, COMMUNICATION AND CONTROL ENGINEERING (ICEECC 2018)

2018 PROCEEDING NON-INDEX CO-AUTHOR

49. EFFECT OF THE NUMBER OF TAPPING BITS OF THE A5/1 STREAM CIPHER TOWARDS HARDWARE PERFORMANCE

SCIENCE INTERNATIONAL JOURNAL

2017 JOURNAL SCOPUS CO-AUTHOR

50. THE EFFECT OF TOTAL BITS AND NUMBER OF LFSRS ON THE HARDWARE PERFORMANCE OF MODIFIED A5/1 STREAM CIPHERS

ADVANCED SCIENCE LETTERS

2017 JOURNAL SCOPUS CO-AUTHOR

51. HARDWARE IMPLEMENTATION OF MODIFIED A5/1 STREAM CIPHER

INTERNATIONAL JOURNAL OF COMPUTER THEORY AND ENGINEERING

2017 JOURNAL OTHER DATABASE CO-AUTHOR

52. CHARACTERIZATIONS OF A SINGLE ROD ELECTRODE UNDER HIGH IMPULSE CURRENTS WITH DIFFERENT POLARITIES

1ST IEEE INTERNATIONAL CON-FERENCE ON ELECTRICAL MATERIALS AND POWER EQUIPMENT (ICEMPE 2017)

2017 PROCEEDING NON-INDEX CO-AUTHOR

53. HARDWARE PERFORMANCE ANALYSIS ON MODIFIED A5/1 STREAM CIPHER

2016 WORLD INTERNATIONAL CONFERENCE ON ISLAMIC SCIENCES 2016

2016 PROCEEDING NON-INDEX CO-AUTHOR

54. HARDWARE IMPLEMENTATION OF MODIFIED A5/1 STREAM CIPHER

2016 INTERNATIONAL CONFERENCE ON COMMUNICATION AND INFORMATION SYSTEMS

2016 PROCEEDING NON-INDEX CO-AUTHOR

55. RANDOMNESS EVALUATION OF MODIFIED A5/1 STREAM CIPHER FOR GLOBAL SYSTEM FOR MOBILE COMMUNICATION

KOLOKIUM SISWAZAH SAINS & TEKNOLOGI

2016 PROCEEDING NON-INDEX CO-AUTHOR

PUBLICATION

56. EFFECT OF THE NUMBER OF TAPPING BITS OF THE A5/1 STREAM CIPHER TOWARDS HARDWARE PERFORMANCE

2ND INTERNATIONAL CONFERENCE ON ENGINEERING SCIENCE AND TECHNOLOGY

2016 | PROCEEDING | NON-INDEX | CO-AUTHOR

57. METHODOLOGIES OF IMPULSE TESTS ON EARTHING SYSTEMS BY FIELD MEASUREMENTS WITH DIFFERENT REMOTE EARTH

2016 IEEE INTERNATIONAL CONFERENCE ON HIGH VOLTAGE ENGINEERING AND APPLICATION

2016 | PROCEEDING | NON-INDEX | CO-AUTHOR

58. IMPROVING GSM SECURITY BY ENHANCING THE RANDOMNESS PROPERTY OF THE A5/1 DESIGN

AUSTRALIAN JOURNAL OF BASIC AND APPLIED SCIENCES

2015 | JOURNAL | SCOPUS | MAIN AUTHOR

59. ANALYSIS OF THE CHARACTERISTICS OF AN EARTHING SYSTEM BASED ON FINITE ELEMENT METHOD

POSTGRADUATE COLLOQUIUM 2014, FACULTY OF SCIENCE AND TECHNOLOGY

2014 | PROCEEDING | NON-INDEX | CO-AUTHOR

60. FEASIBILITY STUDY OF "OPEN-SHORT CIRCUIT" DIMENSIONLESS FIGURE-OF-MERIT (ZT) MEASUREMENT TECHNIQUE FOR THERMOELECTRIC DEVICE

PIONEERING ISLAMIC SCIENCE, SPEARHEADING KNOWLEDGE

2013 | CHAPTER IN BOOK

61. MULTIWAVELENGTH BRILLOUIN ERBIUM FIBER LASER

PIONEERING ISLAMIC SCIENCE, SPEARHEADING KNOWLEDGE

2013 | CHAPTER IN BOOK

CONSULTATION

1. FASILITATOR PROGRAM "TRAINING ON CURRICULUM DEVELOPMENT", INSTITUT AGAMA ISLAM NEGERI (IAIN) WALISONGO INDONESIA

INSTITUT AGAMA ISLAM NEGERI (IAIN) INDONESIA

2013 | INTERNATIONAL

AWARDS/RECOGNITION

1. ANUGERAH STAF CONTOH FAKULTI

2025 | OTHERS

2. CONCEPTUAL MODELLING OF GOLD AUTHENTICATION SYSTEM BASED ON ULTRASOUND PROPAGATION ANALYSIS

INNOVATION BANK CHALLENGE 2025

2025 | ANTARABANGSA | GOLD

AWARDS/RECOGNITION

3. ACADEMIC ADVISOR

JPT

2023 NATIONAL

4. ACADEMIC ADVISOR

JPT

2022 NATIONAL

5. ACADEMIC ADVISOR

USIM

2022 UNIVERSITY

6. SMART PARCEL DROP BOX

PERTANDINGAN REKACIPTA INOVASI INTERNASIONAL & NASIONAL 2022 (PRiIN 2022)

2022 ANTARABANGSA SILVER

7. I-SOLD: A PROTOTYPE OF SOLAR COOLING INTEGRATED FACADE FOR BALANCING HUMAN COMFORT, SUSTAINABILITY IN WORKING AND LEARNING SPACE

8th EXPOSITION ON ISLAMIC INNOVATION (i-INOVA) 2018

2018 UNIVERSITI BRONZE

8. USIM MIZAN HOMESTAY

THE INTERNATIONAL CONFERENCE AND EXPOSITION ON INVENTION (PECIPTA 17)

2017 UNIVERSITI BRONZE

9. MIZAN SOLARHOME

27TH INTERNATIONAL INVENTION & INNOVATION EXHIBITION 2017 (ITEX 2017)

2017 ANTARABANGSA SILVER

10. SILVER; NOVEL RESEARCH & INNOVATION COMPETITION 2015 (NRIC 2015)

2015 NATIONAL

11. QIBLAH FINDER FOR VISUALLY IMPAIRED PERSON

NOVEL RESEARCH & INNOVATION COMPETITION (NRIC) 2015

2015 KEBANGSAAN SILVER

12. NEW POLYNOMIAL STRUCTURE FOR A5/1 STREAM CIPHER TO STRENGTHEN GSM SECURITY

EKSPO INOVASI ISLAM I-INOVA 2014

2014 KEBANGSAAN CERTIFICATE OF APPRECIATION

13. SECOND RUNNER UP; "QIBLAT COMPASS FOR THE BLIND -- I SEE"; COMMUNITY RESEARCH & INNOVATION COMPETITION 2013 (CORIC 2013)

2013 NATIONAL

14. ANUGERAH E-NILAI - SEMESTER 2 2012/2013

2013 UNIVERSITY

AWARDS/RECOGNITION

15. SENIOR MEMBER IEEE

2013 INTERNATIONAL

16. MOTION DETECTION OF BREAST TUMORS BASED ON TISSUE ELASTICITY FROM B MODE ULTRASOUND IMAGES USING GRA

4TH EXPOSITION ON ISLAMIC INNOVATION 2013 (I-INOVA''13)

2013 KEBANGSAAN BRONZE