

PROF. MADYA DR. NUR ATHIRAH MOHD TAIB

PENSYARAH UNIVERSITI DS14

CONTACT

PHONE
06-7988774

E-MAIL
athirahtaib@usim.edu.my

FACULTY
Fakulti Sains Dan Teknologi

SUPERVISION

	COMPLETED	ONGOING
PhD	0	2
Master	2	1

AREAS OF EXPERTISE

- Fibre Optics And Waveguides Physics
- Optical/photonic Sensor

ACADEMIC QUALIFICATION

2015 **PhD** - Physics (laser Technology)

2011 **Bachelor** - Industrial Physics

RESEARCH

1. **MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA**
   2024 | GERAN PEMBANGUNAN INOVASI (GPI) | ON GOING | MAIN RESEARCHER

2. **HYBRID ZNO NANOPARTICLES-BIOCHAR MATERIALS IN PHOTOCATALYTIC OPTICAL FIBER SENSOR FOR WASTEWATER TREATMENT APPLICATION**
   2023 | GERAN PENYELIDIKAN USIM | ON GOING | MAIN RESEARCHER

3. **ZNO:RGO COATED OPTICAL FIBER SENSOR FOR HEAVY METAL IONS DETECTION**
   2023 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

4. **ENHANCING LOCALIZED PLASMONIC EFFECT USING CHROMIUM-GOLD NANORODS COATED ON FIBER PROBE FOR OPTICAL TRAPPING APPLICATION**
   2023 | GERAN PENYELIDIKAN USIM | ON GOING | CO-RESEARCHER

5. **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 | CO-RESEARCHER

RESEARCH

6. TENSIOMETRIC SURFACE MEASUREMENT BY FIBER OPTIC DISPLACEMENT SENSOR FOR MEDICAL DIAGNOSTIC

2017 | GERAN KPT | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. MAXIMIZING LIGHT COUPLING EFFICIENCY VIA LSPR EFFECT USING AUNP-COATED ANGLE-CLEAVED FIBER PROBE FOR OPTICAL MICROSCOPY APPLICATION

SEMARAK INTERNATIONAL JOURNAL OF ELECTRONIC SYSTEM ENGINEERING

2026 | JOURNAL | OTHER DATABASE | CORRESPONDING AUTHOR

2. IOT-INTEGRATED SMART GARDENING SYSTEM FOR REAL-TIME MONITORING AND USER-CONTROLLED WITH SMART FILM

JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING

2025 | JOURNAL | SCOPUS | CO-AUTHOR

3. METAL PURITY DETECTION USING NON TARGET REFLECTIVITY PLASTIC OPTICAL FIBER DISPLACEMENT SENSOR

JOURNAL OF OPTOELECTRONIC AND BIOMEDICAL MATERIALS

2025 | JOURNAL | OTHER DATABASE | CO-AUTHOR

4. 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

5. 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

6. THE POTENTIAL OF FIBER OPTIC DISPLACEMENT SENSOR (FODS) IN DETECTION POLYPHENOL LEVEL IN VARIOUS TYPE OF GREEN TEA

2ND INTERNATIONAL SCIENCE, ENGINEERING AND TECHNOLOGY COLLOQUIUM ISETC 2025

2025 | PROCEEDING | NON-INDEX | CORRESPONDING AUTHOR

7. GREEN BREW WASTE TO BATTERY

2025 | BOOK

8. CHAPTER 8 CHIPCASE CIRCUIT XP

BRIDGING IDEAS TO IMPACT: A JOURNEY THROUGH DISCOVERY AND INNOVATION

2025 | CHAPTER IN BOOK | CORRESPONDING AUTHOR

9. 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 | CO-AUTHOR

PUBLICATION

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

BRIDGING IDEAS TO IMPACT A JOURNEY THROUGH DISCOVERY AND INNOVATION

2025 | CHAPTER IN BOOK | CORRESPONDING AUTHOR

11. COMPARISON FOR DETERMINATION OF POTASSIUM LEVELS IN BANANAS BY FIBER OPTIC DISPLACEMENT SENSOR AND ATOMIC ABSORPTION SPECTROSCOPY

ENHANCED KNOWLEDGE IN SCIENCES AND TECHNOLOGY (EKST)

2024 | JOURNAL | MYCITE | CO-AUTHOR

12. 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

13. OPTIMIZING HYDROGEN PRODUCTION IN ELECTROLYSIS THROUGH THE APPLICATION OF EXTERNAL FIELDS: MAGNETIC FIELD AND LASER IRRADIATION EFFECTS ON HYDROXYL GROUP ELECTROLYTE

INTERNATIONAL SCIENCE, ENGINEERING AND TECHNOLOGY COLLOQUIUM 2024

2024 | PROCEEDING | NON-INDEX | CO-AUTHOR

14. PHOTOCATALYTIC DYE DEGRADATION OF AN OPTICAL FIBER SENSOR COATED WITH VARYING THICKNESS OF ZNO/BIOCHAR NANOPARTICLES

INTERNATIONAL SCIENCE, ENGINEERING AND TECHNOLOGY COLLOQUIUM 2024

2024 | PROCEEDING | NON-INDEX | MAIN AUTHOR

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

2024 | BOOK

16. MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA

DEVELOPMENT RESEARCH & INNOVATION

2024 | CHAPTER IN BOOK | CO-AUTHOR

17. 3RD ORDER OPTICAL NONLINEARITY ENHANCEMENT OF HALOCHROMIC PHENOL RED DYE IMMOBILIZED IN PVA/SILICA HYBRID HOST MATRIX

JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY

2023 | JOURNAL | ERA | CO-AUTHOR

18. AUNPS/GO COATED U-SHAPE POLISHED SMF BASED LOCALIZED SPR SENSOR FOR MUSTA?MAL WATER IDENTIFICATION

INTERNATIONAL JOURNAL OF NANOELECTRONICS AND MATERIALS

2023 | JOURNAL | SCOPUS | CO-AUTHOR

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

IONICS

2023 | JOURNAL | ISI, SCOPUS AND ERA | CO-AUTHOR

PUBLICATION

20. 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

21. INSTRUMENTATION ANALYSIS OF FODS PERFORMANCE THROUGH BUNDLED PROBES AND LIGHT SOURCES

11TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY 2022

2023 | PROCEEDING | NON-INDEX | MAIN AUTHOR

22. OPTICAL SENSOR RESPONSE TOWARDS HYDROGEN PEROXIDE IN LOW FAT AND FULL CREAM MILK

INTERNATIONAL LASER TECHNOLOGY AND OPTICS SYMPOSIUM 2022 (ILATOS 2022)

2023 | PROCEEDING | NON-INDEX | MAIN AUTHOR

23. THE ADVANCEMENT OF SEMICONDUCTOR MATERIALS AND DEVICES IN AGRICULTURE

2023 | BOOK | MAIN 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. OPTICAL RESPONSE ANALYSIS AT VARIOUS PB2+ CONCENTRATION BY USING FIBER OPTIC DISPLACEMENT SENSOR

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2021 | JOURNAL | OTHER DATABASE | MAIN AUTHOR / CONTACT PERSON IN USIM

27. SMART BRAN DISPENSER FOR ANIMAL HUSBANDRY PURPOSE

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2021 | JOURNAL | OTHER DATABASE | MAIN AUTHOR / CONTACT PERSON IN USIM

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

INTERNATIONAL EXHIBITION & SYMPOSIUM ON PRODUCTIVITY, INNOVATION, KNOWLEDGE & EDUCATION ISPIKE21

2021 | PROCEEDING | NON-INDEX | CORRESPONDING AUTHOR

29. EXPLORING PHOTON ENERGY VARIATION IN SOLAR ACTIVITY PHENOMENA CAPTURED FROM TELOK KEMANG OBSERVATORY VIA 3D ISOPHOTE RENDERING

PHYSICS AND MATERIALS SCIENCE INTERNATIONAL SYMPOSIUM

2021 | PROCEEDING | NON-INDEX | CORRESPONDING AUTHOR

30. PULSED LASER ABLATION PRODUCED COPPER NANOPARTICLES (CUO NPS): THE INFLUENCE OF TIME

SOLID STATE PHENOMENA

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

PUBLICATION

31. ZNO COATED OPTICAL FIBER FOR ALCOHOL SENSING APPLICATIONS

SOLID STATE PHENOMENA

2020 JOURNAL SCOPUS CO-AUTHOR

32. A REVIEW ON SURFACE TENSION MEASUREMENTS BY OPTICAL METHOD FOR MEDICAL APPLICATION

MALAYSIAN JOURNAL OF SCIENCE HEALTH & TECHNOLOGY

2019 JOURNAL OTHERS DATABASE MAIN AUTHOR

33. URIC ACID DETECTION BY USING CONTACTLESS INTENSITY MODULATION BASED DISPLACEMENT SENSOR

JOURNAL OF PHYSICS.: CONFERENCE SERIES

2019 JOURNAL SCOPUS MAIN AUTHOR

34. SILVER-GRAPHENE OXIDE NANOCOMPOSITE FILM-BASED SPR SENSOR FOR DETECTION OF PB2+ IONS

IEEE INTERNATIONAL CONFERENCE ON SEMICONDUCTOR ELECTRONICS

2018 PROCEEDING NON-INDEX CO-AUTHOR

35. INFLUENCE OF ANNEALING TEMPERATURE ON OPTICAL PROPERTIES OF AL DOPED ZNO NANOPARTICLES VIA SOL-GEL METHODS

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY

2018 PROCEEDING NON-INDEX CO-AUTHOR

36. SPR SENSOR FOR DETECTION OF HEAVY METAL IONS: MANIPULATING THE EM WAVES POLARIZATION MODES

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2017 JOURNAL WOS CO-AUTHOR

37. CHEMICAL TAPERING OF POLYMER OPTICAL FIBER

INTERNATIONAL CONFERENCE ON APPLIED PHOTONICS AND ELECTRONICS

2017 PROCEEDING NON-INDEX CO-AUTHOR

38. MULTI-WALLED CARBON NANOTUBES SATURABLE ABSORBER IN Q-SWITCHING FLASHLAMP PUMPED ND:YAG LASER

OPTICS & LASER TECHNOLOGY

2016 JOURNAL SCOPUS MAIN AUTHOR

39. PASSIVELY Q-SWITCHED FLASHLAMP PUMPED ND:YAG LASER BY USING LIQUID GRAPHENE OXIDE AS SATURABLE ABSORBER

OPTICS & LASER TECHNOLOGY

2016 JOURNAL SCOPUS CO-AUTHOR

40. THE EFFECTS OF TEMPORAL DELAY ON THE PERFORMANCE OF AN ELECTRO-OPTIC Q-SWITCHED ND:YAG LASER

OPTOELECTRONICS AND ADVANCED MATERIALS ? RAPID COMMUNICATIONS

2015 JOURNAL WOS MAIN AUTHOR

41. TEMPERATURE DEPENDENCE OF QUASI THREE LEVEL LASER TRANSITION FOR LONG PULSE ND:YAG LASER

OPTICS & LASER TECHNOLOGY

2013 JOURNAL WOS CO-AUTHOR

CONSULTATION

1. PANEL HAKIM REKABENTUK BANDAR TEKNOLOGI HIJAU PERINGKAT WILAYAH PERSEKUTUAN PUTRAJAYA 2018

KEMENTERIAN PENDIDIKAN MALAYSIA

2018 NATIONAL

2. KARNIVAL STEM PERINGKAT TAMPIN 2018

TAMPIN

2018 OTHERS

3. KHIDMAT PERUNDINGAN DALAM FIBER OPTIK KEPADA BAHAGIAN TELEKOMUNIKASI ILP PEDAS

INSTITUT LATIHAN PERINDUSTRIAN PEDAS, NEGERI SEMBILAN

National

AWARDS/RECOGNITION

1. STAF CONTOH APRIL 2025

2025 UNIVERSITY

2. ANUGERAH INOVASI

2025 UNIVERSITY

3. ANUGERAH PENERBITAN BUKU ILMIAH

2025 UNIVERSITY

4. ANUGERAH PENERBITAN JURNAL BERINDEKS

2025 UNIVERSITY

5. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2025 UNIVERSITY

6. ANUGERAH PENULISAN POPULAR

2025 UNIVERSITY

7. ANUGERAH PENILAIAN PRESTASI TAHUNAN MELEBIHI 95%

2025 UNIVERSITY

8. TRAINER / FACILITATOR

FASILITATOR PROGRAM STEM BERSAMA KOMUNITI ASLI TEKIR, LABU

2025 STATE

9. TRAINER / FACILITATOR

TRAINER STEM CAMP MOSTI

2025 NATIONAL

AWARDS/RECOGNITION

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

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

2025 ANTARABANGSA GOLD

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

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA SILVER

12. 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

13. CHIPCHASE CIRCUITXP

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

2025 ANTARABANGSA SILVER

14. ANUGERAH PENERBITAN PROSIDING BERINDEKS

2024 UNIVERSITY

15. ANUGERAH E-NILAI TERBAIK

2024 UNIVERSITY

16. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2024 UNIVERSITY

17. ANUGERAH PENERBITAN BUKU ILMIAH

2024 UNIVERSITY

18. ANUGERAH PENERBITAN JURNAL BERINDEKS

2024 UNIVERSITY

19. ANUGERAH PENERBITAN JURNAL Q1

2024 UNIVERSITY

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

MINGGU PENYELIDIKAN INOVASI MPI 2024

2024 KEBANGSAAN GOLD

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

Minggu Penyelidikan dan Inovasi 2024

2024 ANTARABANGSA GOLD

22. MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA

VIRTUAL INNOVATION COMPETITION 2024

2024 ANTARABANGSA SILVER

AWARDS/RECOGNITION

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

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI GOLD

24. CONNECTED ASSESTS AND SMART SENSORS: IOT IN ACTION FOR PRECISE REAL TIME TRACKING

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI BRONZE

25. G-SWIFTSCAN: RAPID DETECTION OF GOLD AUTHENTICITY

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI SILVER

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

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI GOLD

27. MASKYLINK:DISCOVERING ASTRONOMY PHENOMENA

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

2024 ANTARABANGSA GOLD

28. GO/ZNO NANOCOMPOSITE COATED PLASTIC OPTICAL FIBER FOR COPPER ION DETECTION IN DRINKING WATER

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

29. BEST PAPER AWARD

2023 INTERNATIONAL

30. MASKYLINK: DISCOVERING ASTRONOMY PHENOMENA

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

2023 UNIVERSITI GOLD

31. AUNPS-GO BASED FIBER OPTICS LOCALIZED SPR SENSOR FOR MUSTA?MAL WATER IDENTIFICATION

4th International Conference on Applied Photonics and Electronics (InCAPE 2023)

2023 ANTARABANGSA BEST PAPER AWARD

32. MIND RACE

INNOVATION BANK CHALLENGE (IBC 2022)

2022 UNIVERSITI GOLD

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

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

2022 ANTARABANGSA SILVER

AWARDS/RECOGNITION

34. PLEARN JEUX: AN ELECTRONIC PHYSICS BOARD GAME

NATIONAL INNOVATION AND INVENTION COMPETITION 2022 (NIICE 2022)

2022 KEBANGSAAN GOLD

35. ZOOMFAST

MALAYSIA TECHNOLOGY EXPO 2022

2022 ANTARABANGSA SILVER

36. PLASMONIC FBG-BASED HONEY QUALITY TESTER

Persidangan dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA22)

2022 ANTARABANGSA GOLD

37. ANUGERAH PERKHIDMATAN CEMERLANG

2021 UNIVERSITY

38. ACADEMIC ADVISOR

IEEE ELECTRON DEVICES SOCIETY

2021 NATIONAL

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

NATIONAL INVENTION & INNOVATION COMPETITION 2021 (YOUTH)

2021 KEBANGSAAN SILVER

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

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

2021 ANTARABANGSA SILVER

41. R-GO PUZZLE GAME

INNOVATION BANK CHALLENGE (IBC 2021)

2021 UNIVERSITI CERTIFICATE OF APPRECIATION

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

INNOVATION BANK CHALLENGE (IBC 2021)

2021 UNIVERSITI GOLD

43. ARDU ELECTROCHROMIC FILM FOR HOME SAFETY AND PRIVACY PURPOSE

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

2021 ANTARABANGSA GOLD

44. WASTE TO ENERGY MODULE CATEGORY SCIENCE AND TECHNOLOGY

INTERNATIONAL INNOVATION COMPETITION INNOCOM II,2021

2021 ANTARABANGSA BRONZE

45. WASTE TO ENERGY MODULE

INTERNATIONAL INNOVATION COMPETITION INNOCOM II,2021

2021 ANTARABANGSA CERTIFICATE OF APPRECIATION

AWARDS/RECOGNITION

46. ANUGERAH HARTA INTELEK DAN PENGKOMERSILAN

2020 UNIVERSITY

47. SMART BRAN DISPENSER FOR ANIMAL HUSBANDRY PURPOSE

8th APPRENTICE INNOVATION & RESEARCH EXHIBITION 2020 (AIREX)

2020 KEBANGSAAN BRONZE

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

INVENTION,INNOVATION AND DESIGN EXPOSITION 2020 (IIDEX2020)

2020 ANTARABANGSA SILVER

49. FAST LAB: EDUCATIONAL SCIENCE KIT

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

2020 ANTARABANGSA GOLD

50. ANUGERAH LIBATSAMA KOMUNITI KATEGORI PROJEK- FAST LAB EDUCATIONAL SCIENCE KIT

2019 UNIVERSITY

51. O-WHEEL

EDUNOVATION CARNIVAL: TRANSFORMATION TOWARDS ENTREPRENEURIAL MINDSET PERINGKAT KEBANGSAAN

2019 KEBANGSAAN GOLD

52. FAST LAB: SCIENCE EDUCATIONAL KIT

INTERNATIONAL CONFERENCE AND EXPOSITION ON INVENTIONS BY INSTITUTIONS OF HIGHER LEARNING (PECIPTA'19

2019 ANTARABANGSA GOLD

53. FAST LAB: EDUCATION SCIENCE KIT

30th INTERNATIONAL INVENTION, INNOVATION & TECHNOLOGY EXHIBITION 2019 (ITEX 2019)

2019 ANTARABANGSA GOLD

54. MASS MICROGRAPH AWARD 2018

2018 NATIONAL