

Profile Image

## DR. NURHIDAYA BINTI MOHAMAD JAN

PENSYARAH UNIVERSITI DS13

### CONTACT

**Phone:**

**E-mail:**

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**Faculty:** Kolej Permata  
Insan

### SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0,  
Ongoing: 0

## AREAS OF EXPERTISE

Educational Material And Media, And Educational  
Technology

Mathematical Sciences

Education

Computational Mathematics

## ACADEMIC QUALIFICATION

PhD in (mathematics) (2017)

Bachelor in (mathematics) (2012)

## RESEARCH

**1. PROGRAM: INTEGRATING IOT IN MINI GREENHOUSE GARDEN PROTOTYPE FOR URBAN FARMING: A VIABLE SOLUTION FOR FOOD SECURITY IN MALAYSIA ; PROJEK: INTEGRATING IOT IN MINI GREENHOUSE GARDEN PROTOTYPE FOR URBAN FARMING: USABILITY EVALUATION AND USER AWARENESS**

2024 GERAN PENYELIDIKAN TRANSLASIONAL ON GOING MAIN RESEARCHER

**2. GIFT TO GIVE: EXPLORING GIFTED STUDENTS AS TRENDSETTERS TO INTENSIFY STEM LEARNING THROUGH ADDITIVE MANUFACTURING TECHNOLOGY**

2024 GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) ON GOING CO-RESEARCHER

**3. PROGRAM: INTEGRATING IOT IN MINI GREENHOUSE GARDEN PROTOTYPE FOR URBAN FARMING: A VIABLE SOLUTION FOR FOOD SECURITY IN MALAYSIA ; PROJEK: INTEGRATING IOT IN MINI GREENHOUSE GARDEN PROTOTYPE FOR URBAN FARMING: A VIABLE SOLUTION FOR FOOD SECURITY IN MALAYSIA**

2024 GERAN PENYELIDIKAN TRANSLASIONAL ON GOING CO-RESEARCHER

**4. KEBERKESANAN KAEDAH HAFAZAN TEMATIK DENGAN KURIKULUM PENDIDIKAN PINTAR BERBAKAT INTEGRASI NAQLI DAN 'AQLI KEPADA MURID PINTAR BERBAKAT DI KOLEJ GENIUS INSAN**

2021 GERAN PENYELIDIKAN KHAS COMPLETED CO-RESEARCHER

**5. SPECIAL LINEAR GROUP CLASSIFICATION METHOD FOR MULTIPARTITE ENTANGLEMENT UNDER STOCHASTIC LOCAL OPERATIONS AND CLASSICAL COMMUNICATION (SLOCC) PROTOCOL FOR QUANTUM COMPUTING SYSTEM.**

2021 GERAN KPT COMPLETED CO-RESEARCHER

# RESEARCH

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## 6. LOW COST 3D PRINTED HONEYCOMB-TERMINALIA CATAPPA FRUIT SHELLS COMPOSITES AS AN ABSORBING MATERIALS IN REDUCING ELECTROMAGNETIC INTERFERENCE POLLUTION

2020 GERAN PENYELIDIKAN USIM RACER COMPLETED CO-RESEARCHER

## 7. TOUCH AND MEMORIZE: INAUGURATION OF ROSARY-LIKE 3D PRINTED BRAILLE QURAN FOR VISUALLY IMPAIRED CHILDREN

2019 GERAN PENYELIDIKAN USIM COMPLETED CO-RESEARCHER

## 8. USING AL-QURAN AND GAME KIT FOR ENTHUSIASTIC AND INTERACTIVE LEARNING IN ADDITIONAL MATHEMATICS CLASSROOM

2018 GERAN PENYELIDIKAN HEADSTART PROGRAM COMPLETED MAIN RESEARCHER

## 9. COMPOSITION OF FATTY ACID AND BIOMARKER IN COWS AND GOATS' MILK USING GAS CHROMATOGRAPHY (GC/MS) & DNA-BASED ANALYTICAL METHODS FOR MILK AUTHENTICATION OF COW AND GOAT IN MALAYSIA

2018 GERAN PENYELIDIKAN HEADSTART PROGRAM COMPLETED CO-RESEARCHER

## 10. ADOPTING GAMIFICATION IN DELIVERING CRYPTOGRAPHY CONCEPT & IMAGING A TOUCHABLE 3D HOLOGRAPHIC DISPLAY FOR AUGMENTED REALITY: A PRACTICAL APPROACH FOR INTERACTIVE LEARNING

2018 GERAN PENYELIDIKAN HEADSTART PROGRAM COMPLETED CO-RESEARCHER

## 11. NUMERICAL SOLUTION FOR ISLAMIC PRICING OPTION USING A MODIFIED 2 POINT BLOCK BACKWARDS DIFFERENCE METHOD

2017 GERAN KPT COMPLETED CO-RESEARCHER

# PUBLICATION

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## 1. PENTAKSIRAN PENDIDIKAN PINTAR DAN BERBAKAT INTEGRASI NAQLI DAN AQLI (IGED)

INTERNATIONAL JOURNAL OF EDUCATION, PSYCHOLOGY AND COUNSELING

2024 JOURNAL MYCITE MAIN AUTHOR

## 2. A CASE STUDY: THE SECONDARY STUDENTS OVERALL SATISFACTION ON ONLINE LEARNING

INDONESIAN JOURNAL OF INFORMATION SYSTEMS (IJIS)

2024 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

## 3. SYNTHESIZED HYBRID CNT POLYMER COMPOSITE IN REDUCING EMI POLLUTION AT GIGAHERTZ FREQUENCY RANGE

SEMARAK INTERNATIONAL JOURNAL OF NANOTECHNOLOGY

2024 JOURNAL MYCITE CO-AUTHOR

## 4. QUANTUM COMPUTING IN THE CLOUD ? A SYSTEMATIC LITERATURE REVIEW

INTERNATIONAL JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING SYSTEMS

2024 JOURNAL WOS CO-AUTHOR

## 5. INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE (IJURECON 2024)

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE (IJURECON 2024)

2024 PROCEEDING NON-INDEX EDITOR

## 6. ENTANGLEMENT CLASSIFICATION FOR THREE-QUBIT PURE QUANTUM SYSTEM USING SPECIAL LINEAR GROUP UNDER THE SLOCC PROTOCOL

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS

2023 JOURNAL SCOPUS CO-AUTHOR

## 7. EMPOWERING THE SCHOLARSHIP OF TEACHING AND LEARNING (SOTL) TOWARDS SOCIETY 5.0

THE 1ST INTERNATIONAL CONFERENCE ON SCIENCE EDUCATION AND SCIENCES

2023 PROCEEDING NON-INDEX MAIN AUTHOR

## 8. CRYPTOGRAPHY: DISCOVERY AWARENESS AMONG PERMATA INSAN COLLEGE STUDENT

4TH INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 9. ASSESSING STUDENT AWARENESS OF CYBERSECURITY: A MINI SURVEY

4TH INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 10. UNDERSTANDING ENGLISH VOCABULARY AMONG PERMATA INSAN COLLEGE STUDENTS

4TH INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 11. MINI SURVEY ON LEARNING JAPANESE LANGUAGE AMONG PERMATA INSAN COLLEGE STUDENTS

4TH INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 12. GAME-BASED LEARNING: THE EDUCATIONAL BOARD GAME TREND

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE

2023 PROCEEDING NON-INDEX CO-AUTHOR

## 13. THE STUDENTS' SELF PERCEPTION ON LEARNING C++ PROGRAMMING VIA THE CRYPTOGRAPHY PROJECT: A CASE STUDY

INTERNATIONAL JOURNAL OF ACADEMIC RESEARCH IN PROGRESSIVE EDUCATION AND DEVELOPMENT

2022 JOURNAL ERA MAIN AUTHOR / CONTACT PERSON IN USIM

# PUBLICATION

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## 14. THE ESSENCE OF PRACTICING 3D PRINTED MODELS THROUGH GAME-BASED MODULE IN LEARNING BRAILLE QURAN CODE AMONG THE BEGINNERS

INTERNATIONAL JOURNAL OF ACADEMIC RESEARCH IN PROGRESSIVE EDUCATION AND DEVELOPMENT

2022 JOURNAL ERA CO-AUTHOR

## 15. ELECTROMAGNETIC WAVE REDUCTION OF MULTIWALLED CARBON NANOTUBES (MWCNT) MIXED NANOMETER COFE<sub>2</sub>O<sub>4</sub> AT HIGHER FREQUENCY RANGE

MATERIALS TODAY: PROCEEDINGS

2022 JOURNAL SCOPUS AND ERA CO-AUTHOR

## 16. ONLINE GAME: CURRENT TREND AMONG MALAYSIAN SECONDARY SCHOOL'S STUDENT

INTERNATIONAL JOURNAL OF EDUCATION, PSYCHOLOGY AND COUNSELING

2022 JOURNAL MYCITE CORRESPONDING AUTHOR

## 17. ELECTROMAGNETIC WAVE ABSORPTION PERFORMANCE OF CARBON NANOCOILS BY USING MIXED FERRITES AS CATALYST

ERZINCAN UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY

2022 JOURNAL OTHER DATABASE CO-AUTHOR

## 18. ENTANGLEMENT QUANTIFICATION AND CLASSIFICATION: A SYSTEMATIC LITERATURE REVIEW

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS (IJACSA)

2022 JOURNAL SCOPUS CO-AUTHOR

## 19. A BACKWARD DIFFERENCE FORMULATION FOR ANALYZING THE DYNAMICS OF CAPITAL STOCKS

MATHEMATICAL MODELING AND COMPUTING,

2022 JOURNAL SCOPUS CO-AUTHOR

## 20. QUANTUM COMPUTING AND ITS APPLICATION

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN TECHNOLOGY AND INNOVATION

2022 JOURNAL MYCITE CO-AUTHOR

## 21. THREE-POINT BLOCK ALGORITHM FOR APPROXIMATING DUFFING TYPE DIFFERENTIAL EQUATIONS

MATHEMATICS AND STATISTICS

2022 JOURNAL SCOPUS CO-AUTHOR

## 22. MINECRAFT-ED: LEARN ADDITIONAL MATHEMATICS VIA AN INTERACTIVE APPROACH

INTERNATIONAL COMPETITION AND EXHIBITION ON COMPUTING INNOVATION (ICE-CINNO) 2022

2022 PROCEEDING OTHER DATABASE MAIN AUTHOR

## 23. EDUCATIONAL GAME FOR MATHEMATICS

3RD INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2022 (IJURECON 2022)

2022 PROCEEDING OTHER DATABASE MAIN AUTHOR

## 24. ABSTRACT BOOK INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEARNING

THE INTERNATIONAL SYMPOSIUM ON POLYMERIC MATERIALS 2022

2022 PROCEEDING NON-INDEX CO-AUTHOR

## 25. ADDITIONAL MATHEMATICS SUBJECT: DR NURHIDAYA MOHAMAD JAN

MODUL PENGAJARAN DAN PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT, INTEGRASI NAQLI DAN AQLI (IGED) TAHAP 2 HAMZAH

2022 CHAPTER IN BOOK MAIN AUTHOR

## 26. ADDITIONAL MATHEMATICS SUBJECT: DR NURHIDAYA MOHAMAD JAN

MODUL PENGAJARAN & PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT, INTEGRASI NAQLI DAN AQLI (IGED) KOLEJ GENIUS INSAN (ASAS 2)

2022 CHAPTER IN BOOK MAIN AUTHOR

# PUBLICATION

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## 27. ADDITIONAL MATHEMATICS SUBJECT: DR NURHIDAYA MOHAMAD JAN

MODUL PENGAJARAN & PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT, INTEGRASI NAQLI DAN AQLI (IGED) KOLEJ GENIUS INSAN (TAHAP 1 ALI)

2022 CHAPTER IN BOOK MAIN AUTHOR

## 28. ADDITIONAL MATHEMATICS SUBJECT: DR NURHIDAYA MOHAMAD JAN

MODUL PENGAJARAN & PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT, INTEGRASI NAQLI DAN AQLI (IGED) KOLEJ GENIUS INSAN (TAHAP 2)

2022 CHAPTER IN BOOK MAIN AUTHOR

## 29. AN EVALUATION OF STUDENT'S PERCEPTION TOWARDS LEARNING PHYSICS AT LOWER SECONDARY SCHOOL

JURNAL PENDIDIKAN SAINS DAN MATEMATIK MALAYSIA

2021 JOURNAL MYCITE CO-AUTHOR

## 30. INTEGRATED ASSESSMENT OF BAHASA MELAYU, MATHEMATICS, AND VISUAL ART SUBJECTS FOR SCHOOL STUDENTS

INTERNATIONAL VIRTUAL CONFERENCE ON LIBERAL STUDIES 2021 (ICITRA 2021)

2021 PROCEEDING NON-INDEX MAIN AUTHOR

## 31. NONI'S ADVENTURE ONLINE GAME

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE 2020

2021 PROCEEDING NON-INDEX MAIN AUTHOR

## 32. EMPOWERING THE SCHOLARSHIP OF TEACHING AND LEARNING (SOTL) TOWARDS SOCIETY 5.0

THE 1ST INTERNATIONAL CONFERENCE ON SCIENCE EDUCATION AND SCIENCES

2021 PROCEEDING SCOPUS CO-AUTHOR

## 33. A REVIEW ON DEMOGRAPHIC DISTRIBUTION OF ONLINE GAME PLAYERS

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE 2020

2021 PROCEEDING NON-INDEX CO-AUTHOR

## 34. A CASE STUDY OF IN IDENTIFYING THE PERCEPTION IN CRYPTON HEROES

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE 2020

2021 PROCEEDING NON-INDEX CO-AUTHOR

## 35. THE GIFTED STUDENT PERFORMANCE IN LEARNING PYTHON PROGRAMMING: A CASE STUDY

INTERNATIONAL VIRTUAL CONFERENCE ON LIBERAL STUDIES 2021

2021 PROCEEDING NON-INDEX CO-AUTHOR

## 36. A PRELIMINARY STUDY IN IDENTIFYING COGNITIVE LEVEL IN UNDERSTANDING PROGRAMMING SUBJECT

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE 2020

2021 PROCEEDING NON-INDEX CO-AUTHOR

## 37. THE HELIOGRAFIC TREASURE HUNT BOARD AND CLUES TO LEARN HISTORY AND CRYPTOGRAPHY: AN EXPERT REVIEW

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE 2020

2021 PROCEEDING NON-INDEX CO-AUTHOR

## 38. ONLINE GAMING TRENDS AMONG MALAYSIAN SECONDARY SCHOOL'S STUDENT

INTERNATIONAL VIRTUAL CONFERENCE ON EDUCATION, SOCIAL SCIENCES AND TECHNOLOGY 2021 (IVEST2021)

2021 PROCEEDING NON-INDEX CO-AUTHOR

## 39. DESIGNING TANGIBLE 3D PRINTED CATHODE RAY OSCILLOSCOPE IN LEARNING ELECTRONIC FOR PHYSICS IN SECONDARY SCHOOL

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE 2020

2021 PROCEEDING NON-INDEX CO-AUTHOR

# PUBLICATION

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## 40. FLIPPITY IN ADDITIONAL MATHEMATICS CLASS

ACTIVE LEARNING IN EDUCATION 4.0: STUDENTS AS OWNERS OF LEARNING

2021 CHAPTER IN BOOK MAIN AUTHOR

## 41. CLOUD QUANTUM COMPUTING: NEW PLATFORM FOR ACTIVE LEARNING

ACTIVE LEARNING IN EDUCATION 4.0: STUDENT AS OWNER OF LEARNING

2021 CHAPTER IN BOOK CO-AUTHOR

## 42. DECISION-MAKING ANALYSIS USING ARDUINO-BASED ELECTROENCEPHALOGRAPHY (EEG): AN EXPLORATORY STUDY FOR MARKETING STRATEGY

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS (IJACSA)

2020 JOURNAL SCOPUS CO-AUTHOR

## 43. INVESTIGATION WITH GIFTED STUDENTS IN LEARNING PHYSICS CONCEPT BASED ON COGNITIVE STRUCTURE

JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE

2020 JOURNAL SCOPUS CO-AUTHOR

## 44. A CASE STUDY IN IDENTIFYING THE LEVEL OF THINKING ABILITY IN PHYSICS SUBJECT AMONG SECONDARY SCHOOL STUDENTS

3RD ASIA INTERNATIONAL MULTIDISCIPLINARY CONFERENCE 2019

2019 PROCEEDING NON-INDEX CO-AUTHOR

## 45. A 3D HOLOGRAPHIC DISPLAY FOR AUGMENTED REALITY: A PRACTICAL APPROACH FOR INTERACTIVE LEARNING OF PHYSICS

INTERNATIONAL COMPETITION AND EXHIBITION ON COMPUTING INNOVATION 2019

2019 PROCEEDING NON-INDEX CO-AUTHOR

## 46. INNOVATION FOR SUSTAINABILITY AND GREEN TECHNOLOGY: DEGRADATION OF INANIMATE FORMS

2019 BOOK EDITOR

## 47. WATSON-CRICK PETRI NET AND ITS STRUCTURAL PROPERTIES

INNOVATION FOR SUSTAINABILITY AND GREEN TECHNOLOGY: DEGRADATION OF INANIMATE FORMS

2019 CHAPTER IN BOOK MAIN AUTHOR

## 48. CURRENT QUANTUM COMPUTER: ENTANGLEMENT MEASUREMENT

INNOVATION FOR SUSTAINABILITY AND GREEN TECHNOLOGY: DEGRADATION OF INANIMATE FORMS

2019 CHAPTER IN BOOK CO-AUTHOR

## 49. CLOSURE PROPERTIES OF WATSON-CRICK PETRI NET

AIP CONFERENCE PROCEEDINGS

2018 JOURNAL SCOPUS MAIN AUTHOR

## 50. STATE MACHINE OF PLACE-LABELLED PETRI NET CONTROLLED GRAMMARS

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

2018 JOURNAL WOS MAIN AUTHOR

## 51. PEDULI INSAN EKSPRESI JIWA ANAK-ANAK BANGSA

2018 BOOK CO-EDITOR

## 52. PLACE-LABELED PETRI NET CONTROLLED GRAMMARS

SCIENCEASIA

2017 JOURNAL SCOPUS MAIN AUTHOR

# PUBLICATION

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## 53. CLOSURE PROPERTIES OF WATSON-CRICK PETRI NET

SIMPOSIUM KEBANGSAAN SAINS MATEMATIK KE-25

2017 PROCEEDING NON-INDEX MAIN AUTHOR

## 54. K-WATSON-CRICK PETRI NET CONTROLLED GRAMMARS

INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND STATISTICS (IJAMAS)

2015 JOURNAL WOS MAIN AUTHOR

## 55. LANGUAGES OF WATSON-CRICK PETRI NET

JURNAL TEKNOLOGI (SCIENCES & ENGINEERING) SPECIAL ISSUE IN SCIENCE AND TECHNOLOGY

2014 JOURNAL SCOPUS MAIN AUTHOR

## 56. A NEW VARIANT OF PETRI NET CONTROLLED GRAMMARS

22ND NATIONAL SYMPOSIUM ON MATHEMATICAL SCIENCES (SKSM 22)

2014 PROCEEDING NON-INDEX MAIN AUTHOR

## 57. REVERSE WATSON-CRICK PETRI NETS

2ND INTERNATIONAL SCIENCE POSTGRADUATE CONFERENCE 2014 (ISPC 2014)

2014 PROCEEDING NON-INDEX MAIN AUTHOR

## 58. WATSON-CRICK PETRI NET AND ITS PROPERTIES

RECENT ADVANCES IN DNA STICKER SYSTEM AND WATSON-CRICK AUTOMATA

2014 CHAPTER IN BOOK CO-AUTHOR

## 59. REGULAR LANGUAGES AND FINITE AUTOMATA IN SPLICING SYSTEMS

RECENT ADVANCES IN DNA SPLICING SYSTEM

2014 CHAPTER IN BOOK CO-AUTHOR

## 60. WATSON-CRICK PETRI NET LANGUAGES WITH FINITE SETS OF FINAL MARKINGS

3RD INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES (ICMS3)

2013 PROCEEDING NON-INDEX MAIN AUTHOR

## 61. WATSON-CRICK PETRI NET LANGUAGES: THE EFFECT OF LABELLING STRATEGIES

21ST NATIONAL SYMPOSIUM ON MATHEMATICAL SCIENCES (SKSM 21)

2013 PROCEEDING NON-INDEX MAIN AUTHOR

## 62. REGULAR LANGUAGES, REGULAR GRAMMARS AND AUTOMATA IN SPLICING SYSTEMS

20TH NATIONAL SYMPOSIUM ON MATHEMATICAL SCIENCES (SKSM 20)

2012 PROCEEDING NON-INDEX MAIN AUTHOR

# AWARDS/RECOGNITION

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## 1. ANUGERAH PENYELIDIK CEMERLANG (JURNAL ARTIKEL TERBAIK) FEBRUARI 2024

2024 OTHERS

## 2. ANUGERAH PENYELIDIK TERBAIK

2024 OTHERS

## 3. ANUGERAH PENULIS BUKU CEMERLANG (NOVEMBER 2024)

2024 OTHERS

## 4. ANUGERAH PENULIS JURNAL CEMERLANG (JUN 2024)

2024 OTHERS

## 5. ANUGERAH PENULIS JURNAL CEMERLANG (MEI 2024)

2024 OTHERS

## 6. ANUGERAH PENYELIDIK CEMERLANG (JURNAL ARTIKEL TERBAIK) MAC 2024

2024 OTHERS

## 7. ENHANCING QUANTUM INFORMATION PROCESSING ? SU(2) OPERATOR MODEL DEVELOPMENT FOR THREE-QUBIT QUANTUM SYSTEMS ENTANGLEMENT CLASSIFICATION

Semarak International Research Article Competition 2024 (SIRAC 2024)

2024 ANTARABANGSA SILVER

## 8. USIM QUANTUM

Ulul Albab Innovation Competition Exhibition 2024

2024 KEBANGSAAN BRONZE

## 9. A CASE STUDY: THE SECONDARY STUDENTS OVERALL SATISFACTION ON ONLINE LEARNING

KONFERENSI NASIONAL TEKNOLOGI INFORMASI

2024 ANTARABANGSA BEST PAPER AWARD

## 10. SECRETICORE: THE BIOLOGICAL SECRET DOOR

INSAN JUNIOR RESEARCHER INTERNATIONAL CONFERENCE (IJURECON 2024)

2024 ANTARABANGSA SILVER

## 11. WHERE FUNCTIONS MEET FUN: GAMIFYING MATHEMATICAL CONCEPTS

Pertandingan Inovasi FKP 2024

2024 UNIVERSITI GOLD

## 12. LEARNING CRYPTOGRAPHY THROUGH MINECRAFT: AN ENGAGING AND INTERACTIVE EXPERIENCE

Pertandingan Inovasi FKP 2024

2024 UNIVERSITI SILVER

## 13. SECRETICORE: BIOLOGY MADE EASY

Pertandingan Inovasi FKP 2024

2024 UNIVERSITI SILVER

## 14. CRYPTIQ: GAMIFYING APPROACH ON LEARNING CRYPTOGRAPHY

Pertandingan Inovasi FKP 2024

2024 UNIVERSITI SILVER

# AWARDS/RECOGNITION

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## 15. INTEGRATING GAMIFICATION TO ENHANCE GENERAL TERMINOLOGY IN CYBERSECURITY AND QUANTUM CRYPTOGRAPHY

Pertandingan Inovasi FKP 2024

2024 UNIVERSITI SILVER

## 16. INNOVATIVE AND ENGAGING VOCABULARY ACTIVITIES FOR TEACHING AND LEARNING ENGLISH

Pertandingan Inovasi FKP 2024

2024 UNIVERSITI SILVER

## 17. CREATIVE AND INTERACTIVE VOCABULARY ACTIVITIES FOR ENGLISH LANGUAGE INSTRUCTION AND LEARNING

EAST COAST SCHOOLS EDUCATION RESEARCH SYMPOSIUM (ECSERS) 2024

2024 KEBANGSAAN BRONZE

## 18. MASTERING SECURITY TERMS THROUGH BOARD GAME

EAST COAST SCHOOLS EDUCATION RESEARCH SYMPOSIUM (ECSERS) 2024

2024 KEBANGSAAN SILVER

## 19. BLOCK-BOUND SECRETS: TEACHING CRYPTOGRAPHY VIA MINECRAFT ADVENTURES

EAST COAST SCHOOLS EDUCATION RESEARCH SYMPOSIUM (ECSERS) 2024

2024 KEBANGSAAN BEST PAPER AWARD

## 20. BLOCK-BOUND SECRETS: TEACHING CRYPTOGRAPHY VIA MINECRAFT ADVENTURES

EAST COAST SCHOOLS EDUCATION RESEARCH SYMPOSIUM (ECSERS) 2024

2024 KEBANGSAAN PLATINUM

## 21. DESIGNING AN INVENTIVE BOARD GAME TO FOSTER INTERACTIVE LEARNING IN ADDITIONAL MATHEMATICS

ICTE24 DIGITAL INNOVATION COMPETITION

2024 ANTARABANGSA GOLD

## 22. ACCESSIBLE CONGKAK: A BOARD GAME FOR THE VISUALLY IMPAIRED

Pertandingan Inovasi FKP 2024

2024 UNIVERSITI GOLD

## 23. EXPLORING LEARNING GAPS IN THE FUNCTIONS SUBTOPIC: A STUDY OF FORM 4 KSSM ADDITIONAL MATHEMATICS PRETEST RESULTS OF SECONDARY SCHOOL

Semarak International Research Article Competition 2024 (SIRAC 2024)

2024 ANTARABANGSA SILVER

## 24. CRAFTING MATHEMATICAL MINDS BY ENGAGING BRAILLE-TANGIBLE 3IN1 3D PRINTED GEOBOARDS MODULE FOR VISUALLY IMPAIRED CHILDREN

Semarak International Research Article Competition 2024 (SIRAC 2024)

2024 ANTARABANGSA GOLD

## 25. ACADEMIC ADVISOR

GURU MATEMATIK TAMBAHAN TEAM AZAM SUBJEK MATEMATIK TAMBAHAN 2023 DI BAWAH PENGELOLAAN PEJABAT PENDIDIKAN DAERAH SEREMBAN

2023 OTHERS

## 26. CUBE RUN: GAMIFICATION IN EDUCATION

INTERNATIONAL COMPETITION FOR EDUCATIONAL INNOVATION & RESEARCH (EDUINNOVATION 2023)

2023 ANTARABANGSA SILVER

## 27. CRYPTOXPLORE: EXPLORING CRYPTOGRAPHY IN A NOVEL WAY

Innovative Research, Invention and Application Exhibition

2023 ANTARABANGSA BRONZE

**28. DESIGNING AN INVENTIVE BOARD GAME TO FOSTER INTERACTIVE LEARNING IN ADDITIONAL MATHEMATICS**

PUTRA INNOCREATIVE POSTER COMPETITION INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEAR

2023

ANTARABANGSA

GOLD

# AWARDS/RECOGNITION

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## 29. ENHANCING LEARNING OF TRIANGLES VIA MINECRAFT EDUCATION

PUTRA INNOCREATIVE POSTER COMPETITION INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEAR

2023 ANTARABANGSA SILVER

## 30. ASSESSING STUDENT AWARENESS OF CYBERSECURITY: A MINI SURVEY

Insan Junior Researchers International Conference (IJURECON 2023)

2023 ANTARABANGSA GOLD

## 31. ILLUMINATING THE KEY FEATURES OF EDUCATIONAL APPS

Insan Junior Researchers International Conference (IJURECON 2023)

2023 ANTARABANGSA SILVER

## 32. PYXISTA SNAKE AND LADDER BOARD GAME

Insan Junior Researchers International Conference (IJURECON 2023)

2023 ANTARABANGSA SILVER

## 33. THE ENIGMATIC FUNCTION ORB

Insan Junior Researchers International Conference (IJURECON 2023)

2023 ANTARABANGSA GOLD

## 34. ENTANGLEMENT CLASSIFICATION: A KEY TO A PROFOUND QUANTUM TECHNOLOGIES AND APPLICATIONS

3rd Graduate Digital Invention, Innovation & Design (GDIID) 2023

2023 KEBANGSAAN BRONZE

## 35. EMPOWERING EDUCATION: GAMIFYING ADDITIONAL MATHEMATICS LEARNING USING SCRATCH

PUTRA INNOCREATIVE POSTER COMPETITION INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEAR

2023 ANTARABANGSA SILVER

## 36. VOCABULARY GAME: AN ALTERNATIVE TEACHING AND LEARNING TOOLS FOR STUDENTS

PUTRA INNOCREATIVE POSTER COMPETITION INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEAR

2023 ANTARABANGSA BRONZE

## 37. BLOCH CODE: EDUCATION GAME TO LEARN FUNDAMENTAL OF QUANTUM COMPUTING FOR SECONDARY SCHOOL

PUTRA INNOCREATIVE POSTER COMPETITION INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEAR

2023 ANTARABANGSA BRONZE

## 38. ENTANGLEMENT CLASSIFICATION ALGORITHM: AN ESSENCE TO QUANTUM TECHNOLOGIES AND APPLICATION

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

2023 UNIVERSITI SILVER

## 39. INNOVATIVE AND ENGAGING VOCABULARY GAMES FOR TEACHING AND LEARNING THE ENGLISH LANGUAGE

Language Research and Innovation Competition (LaRIC 2023)

2023 ANTARABANGSA SILVER

## 40. ANUGERAH STAF CONTOH (KATEGORI AKADEMIK) BULAN MAC KOLEJ GENIUS INSAN

2022 OTHERS

## 41. ACADEMIC ADVISOR

UNIVERSITI KEBANGSAAN MALAYSIA

2022 UNIVERSITY

**42. ACADEMIC ADVISOR**

UNIVERSITI MALAYSIA SARAWAK

2022

UNIVERSITY

# AWARDS/RECOGNITION

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## 43. ALTERNATIVE ASSESSMENT FOR ADDITIONAL MATHEMATICS AND ENGLISH SUBJECTS IN SCHOOL

INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEARNING 2022 (PICTL 2022)

2022 ANTARABANGSA SILVER

## 44. MINECRAFT-ED LEARN ADDITIONAL MATHEMATICS VIA AN INTERACTIVE APPROACH

INTERNATIONAL COMPETITION AND EXHIBITION ON COMPUTING INNOVATION 2022 (iCE-CInno 2022)

2022 ANTARABANGSA GOLD

## 45. SOLVING NONSTIFF HIGHER ORDER ODES DIRECTLY USING VARIABLE ORDER STEP SIZE BACKWARD DIFFERENCE FORMULATION

INNOVATION BANK CHALLENGE (IBC 2022)

2022 UNIVERSITI BRONZE

## 46. MODERN CRYPTOGRAPHY VS QUANTUM CRYPTOGRAPHY: LIMITATIONS AND ADVANTAGES

INNOVATION BANK CHALLENGE (IBC 2022)

2022 UNIVERSITI CERTIFICATE OF APPRECIATION

## 47. ANUGERAH STAF CONTOH (KATEGORI AKADEMIK) KOLEJ GENIUS INSAN

2021 OTHERS

## 48. ACADEMIC ADVISOR

PEJABAT PENDIDIKAN DAERAH SEREMBAN

2021 OTHERS

## 49. SATISFACTION OF KOLEJ GENIUS INSAN STUDENTS IN LEARNING HISTORY SUBJECT

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE (IJURECON2021)

2021 KEBANGSAAN CERTIFICATE OF APPRECIATION

## 50. THE GIFTED STUDENT PERFORMANCE IN LEARNING PYTHON PROGRAMMING: A CASE STUDY

INTERNATIONAL VIRTUAL CONFERENCE ON LIBERAL STUDIES 2021 MASTERY OF MULTIDISCIPLINARY AND INTER-DISC

2021 ANTARABANGSA BEST PAPER AWARD

## 51. STUDY ON PYTHON AS A TOOL IN EDUCATION OF CRYPTOGRAPHY: AWARENESS AMONG SECONDARY SCHOOL STUDENTS

INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE (IJURECON2021)

2021 KEBANGSAAN CERTIFICATE OF APPRECIATION

## 52. GIFT TO GIVE: EXPLORING GIFTED STUDENTS AS TRENDSETTER TO INTENSIFY PHYSICS FOR WEAK STUDENTS THROUGH 3D PRINTING KITS MODULE

eCARNIVAL RESEARCH INNOVATION (eCRI 2020)

2020 KEBANGSAAN BRONZE

## 53. DEPOLYMERIZATION OF POLYETHYLENE TEREPHTHALATE (PET) FROM 3D PRINTED WASTE VIA THERMAL AND ALKALINE HYDROLYSIS

eCARNIVAL RESEARCH INNOVATION (eCRI 2020)

2020 KEBANGSAAN SILVER

## 54. NONIS ADVENTURE: THE DEVELOPMENT OF AN ONLINE MATHEMATICS GAME FOR PRIMARY SCHOOL STUDENTS

eCARNIVAL RESEARCH INNOVATION (eCRI 2020)

2020 KEBANGSAAN SILVER

## 55. SAMA: AN INTERACTIVE BOARD GAME FOR LEARNING ADDITIONAL MATHEMATICS IN SCHOOL

SEMINAR KEBANGSAAN MAJLIS DEKAN PENDIDIKAN UNIVERSITI AWAM MALAYSIA (MEDC 2020)

2020 KEBANGSAAN SILVER

**56. GADGET MUDAH ALIH MEMBANTU KEFAHAMAN MURID DI DALAM KELAS BAGI SUBJEK MATEMATIK TAMBAHAN**

SEMINAR KEBANGSAAN MAJLIS DEKAN PENDIDIKAN UNIVERSITI AWAM MALAYSIA (MEDC 2020)

2020

KEBANGSAAN

BRONZE

# AWARDS/RECOGNITION

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## 57. LEARN HISTORY INTEGRATED WITH CRYPTOGRAPHY THROUGH GAMIFICATION APPROACH

INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEARNING 2020

2020 ANTARABANGSA SILVER

## 58. CRYPTON HEROES: LEARN CRYPTOGRAPHY USING RPG

INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEARNING 2020

2020 ANTARABANGSA SILVER

## 59. EXPERIENTIAL LEARNING THROUGH VIDEO DEVELOPMENT PROJECT FOR DIGITAL MARKETING

INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEARNING 2020

2020 ANTARABANGSA GOLD

## 60. SENI MATEMATIK TAMBAHAN DAN BAHASA MELAYU: PENGGUNAAN PENTAKSIRAN ALTERNATIF DI SEKOLAH

INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEARNING 2020

2020 ANTARABANGSA GOLD

## 61. LOW-COST 3D PRINTED-TERMINALIA CATAPPA FRUIT SHELLS COMPOSITES AS POTENTIAL ELECTROMAGNETIC ABSORBING MATERIALS

INTERNATIONAL INNOVATION COMPETITION (INNOCOM2020)

2020 ANTARABANGSA SILVER

## 62. MATERIALS TECHNOLOGY CHALLENGE AWARD

2019 INTERNATIONAL

## 63. A 3D HOLOGRAPHIC DISPLAY FOR AUGMENTED REALITY: A PRACTICAL APPROACH FOR INTERACTIVE LEARNING IN PHYSICS

INTERNATIONAL COMPETITION AND EXHIBITIONS ON COMPUTING INNOVATIONS 2019

2019 ANTARABANGSA GOLD

## 64. ANUGERAH PERSAMA 2018, HADIAH SANJUNGAN BAGI KATEGORI TESIS DOKTOR FALSAFAH

2018 NATIONAL