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FARIDA HAZWANI BINTI  
MOHD RIDZUAN**

PENSYARAH UNIVERSITI DS14

## CONTACT

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**Faculty:** Fakulti Sains  
Dan Teknologi

## SUPERVISION

PhD - Completed: 6, Ongoing: 3

Master - Completed: 2,  
Ongoing: 3

## AREAS OF EXPERTISE

Data Hiding And Steganography

Analysis Of Algorithms And Complexity

Data Encryption

## ACADEMIC QUALIFICATION

PhD in Komputer Sekuriti (2013)

Master in Disrete Mathematics And Its Applications (2008)

Bachelor in Sains Komputer (2005)

## RESEARCH

### 1. OPTIMIZATION OF PARAMETERS TO IMPROVE COVER GENERATION ACCURACY FOR SECURE AUDIO STEGANOGRAPHY

2025

GERAN PENYELIDIKAN USIM RACER

ON GOING

CO-RESEARCHER

### 2. AI-DRIVEN CYBERSECURITY THROUGH CYBER HASANAT FOR SUSTAINABLE DIGITAL COMMUNITIES

2025

GERAN PENYELIDIKAN AGENSI KERAJAAN

COMPLETED

CO-

RESEARCHER

### 3. SURFACE PLASMON RESONANCE-BASED PHOTONIC CRYSTAL FIBER SENSOR FOR ACCURATE MICROPLASTIC DETECTION IN WATER USING ARTIFICIAL NEURAL NETWORKS

2025

GERAN KPT

ON GOING

CO-RESEARCHER

### 4. ENHANCING CRYPTOGRAPHIC RESILIENCE THROUGH SYMMETRIC ENCRYPTION ALGORITHM UTILIZING VARIABLE LENGTH CHROMOSOMES GENETIC ALGORITHM

2024

GERAN KPT

ON GOING

CO-RESEARCHER

**5. ENHANCING INTEROPERABILITY IN THE CERTIFICATE  
AUTHORITY: NEW TRUST MODEL FOR PUBLIC KEY  
INFRASTRUCTURE USING CRYPTO-AGILITY**

2024

GERAN KPT

ON GOING

CO-RESEARCHER

# RESEARCH

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## 6. CYBER HASANAT: SECURE CYBERCITIZENSHIP AWARENESS

2024 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED CO-RESEARCHER

## 7. DEVELOPMENT OF AN ARABIC EXAM QUESTION GENERATOR UTILIZING ADVANCED NATURAL LANGUAGE PROCESSING TECHNIQUES WITH ARABIC CORPUS

2024 GERAN PENYELIDIKAN USIM ON GOING CO-RESEARCHER

## 8. KAJIAN PENILAIAN PRESTASI SISTEM MYGRANTS DAN CADANGAN PENAMBAHBAIKAN SISTEM

2024 GERAN KPT ON GOING MAIN RESEARCHER

## 9. HYBRID FUZZY LEAST SQUARES GENERATIVE ADVERSARIAL NETWORK (LS-GAN) BASED AUDIO STEGANOGRAPHY FOR BETTER IMPERCEPTIBILITY AND SECURITY REAL TIME PERFORMANCE.

2024 GERAN KPT ON GOING MAIN RESEARCHER

## 10. CYBERSECURITY AND SYSTEMS (CSS)

2024 GERAN KUMPULAN PENYELIDIKAN (KUP) ON GOING MAIN RESEARCHER

## 11. A STUDY ON USER BEHAVIOUR PROFILING FOR ORGANIZATIONAL SECURITY RESILIENCE

2023 GERAN PENYELIDIKAN USIM ON GOING CO-RESEARCHER

## 12. UNCERTAINTY MODELLING WITH STOCHASTIC PROCESS FOR ROBUST REAL-TIME SCHEDULABILTIY ANALYSIS

2023 GERAN PENYELIDIKAN USIM ON GOING CO-RESEARCHER

## 13. A STUDY ON MALAYSIAN DIGITAL SIGNATURE (DS) MARKET DEMAND AND FEASIBILITY OF CERTIFICATION AUTHORITY (CA) INTEROPERABILITY

2023 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED CO-RESEARCHER

## 14. ENHANCING DISASTER PREPAREDNESS AND RESILIENCE THROUGH A MOBILE EDUTAINMENT BASED ON USER-CENTERED APPROACH

2023 GERAN PENYELIDIKAN PENTADBIR ON GOING CO-RESEARCHER

## 15. GAME-BASED LEARNING TOOL FOR CYBERSECURITY AWARENESS WITH NAQLI AND AQLI INTEGRATION

2022 BIDUNI MIZANNIYAH COMPLETED CO-RESEARCHER

## 16. A NEW DNA-INSPIRED SYMMETRIC ENCRYPTION ALGORITHM FOR STRONG RANDOMNESS PROPERTIES.

2020 GERAN KPT COMPLETED CO-RESEARCHER

## 17. BALANCED COVER AUDIO SUGGESTION FOR AUDIO STEGANOGRAPHY ALGORITHM BASED ON NSGA-II, SEGMENTATION AND CHAOTIC MAP

2020 GERAN KPT COMPLETED MAIN RESEARCHER

## 18. LIGHTWEIGHT CRYPTOSYSTEM BY ADOPTING THE 3D FEATURE

2019 GERAN KPT COMPLETED CO-RESEARCHER

## 19. KIPLER FRAUD MANAGEMENT SYSTEM

2019 PROJEK REVOLUSI INDUSTRI 4.0 COMPLETED CO-RESEARCHER

## 20. DYNAMIC S-BOX USING AFFINE TRANSFORMATION TO INCREASE THE SECURITY OF ENCRYPTION

2018 GERAN PENYELIDIKAN USIM COMPLETED CO-RESEARCHER

## 21. A NEW ALGORITHM OF GEO-ENCRYPTION BASED ON LOCATION FOR SECURE CLOUD STORAGE

2017 GERAN KPT COMPLETED CO-RESEARCHER

# RESEARCH

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## 22. EVOLUTIONARY MULTI-OBJECTIVE OPTIMIZATION FOR COVER AUDIO SELECTION IN AUDIO STEGANOGRAPHY

2017 GERAN KPT COMPLETED MAIN RESEARCHER

## 23. A NEW MODEL FOR CONTENT UNDERSTANDING AND KNOWLEDGE DISSEMINATION OF THE QURAN USING INTELLIGENT DATA MODEL

2016 GERAN KPT COMPLETED CO-RESEARCHER

## 24. INTELLIGENT SPAM DETECTION MODEL BASED ON IMMUNOLOGICAL MEMORY OF ADAPTIVE IMMUNE SYSTEM

2016 GERAN KPT COMPLETED CO-RESEARCHER

## 25. SIMULTANEOUS EXPLORATION OF MAPPING AND ROUTING ON HARD REAL-TIME EMBEDDED NETWORKS-ON-CHIP

2016 GERAN JANGKA PENDEK FASA 1 COMPLETED CO-RESEARCHER

## 26. A NEW INTEGRATED POSTGRADUATE STUDENT SYSTEMS DEVELOPMENT

2015 GERAN PENYELIDIKAN KHAS COMPLETED CO-RESEARCHER

## 27. A NEW ALGORITHM FOR ADAPTATION RULES USING CASE-BASED REASONING (CBR) TECHNIQUE.

2014 GERAN KPT COMPLETED CO-RESEARCHER

## 28. AN INTELLIGENT SELF-DESTRUCT SMARTPHONE ALGORITHM USING APOPTOSIS FOR ROOT EXPLOITATION

2014 GERAN KPT COMPLETED CO-RESEARCHER

## 29. PENGGALIAN PETUNJUK ILMU AQLI DALAM QURAN

2014 GERAN PENYELIDIKAN KOMPETITIF KLUSTER COMPLETED CO-RESEARCHER

## 30. A NEW ALGORITHM FOR INDEXING BIG DATA USING CASE BASED REASONING (CBR)

2014 GERAN KPT COMPLETED MAIN RESEARCHER

# PUBLICATION

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## 1. CANCER CLASSIFICATION CHALLENGES IN HIGH-DIMENSIONAL MICROARRAY DATA: AN IN-DEPTH EXPLORATION OF MACHINE LEARNING MODELS

MALAYSIAN JOURNAL OF SCIENCE, HEALTH & TECHNOLOGY (MJOSHT)

2026 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

## 2. EVALUATION OF USER-CENTRED DESIGN IN THE USER INTERFACE (UI) AND USER EXPERIENCE (UX) OF A GAMIFIED EDUTAINMENT APPLICATION ON DISASTER PREPAREDNESS

MALAYSIAN JOURNAL OF SCIENCE, HEALTH & TECHNOLOGY (MJOSHT)

2026 JOURNAL OTHER DATABASE MAIN AUTHOR

## 3. ADVANCED NLP TECHNIQUES FOR GENERATING CONTEXTUAL AND GRAMMATICAL ARABIC EXAM QUESTIONS

MALAYSIAN JOURNAL OF SCIENCE, HEALTH & TECHNOLOGY (MJOSHT)

2026 JOURNAL MYCITE CO-AUTHOR

## 4. ANALYSIS OF TRUST MODELS IN PUBLIC KEY INFRASTRUCTURE: A SYSTEMATIC LITERATURE REVIEW OF INTEROPERABILITY CHALLENGES

MALAYSIAN JOURNAL OF SCIENCE, HEALTH & TECHNOLOGY

2025 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

## 5. ASSESSING FEATURES FOR MALAYSIAN UNIVERSITIES? WEB EXPERT DIRECTORY FROM USER PERSPECTIVES

CITRA JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY

2025 JOURNAL OTHER DATABASE CO-AUTHOR

## 6. BEYOND THE BOARD: CYBERPOLY AS A MULTIDIMENSIONAL GAMIFIED LEARNING TOOL FOR CYBERSECURITY AWARENESS

JOURNAL OF ADVANCED RESEARCH IN COMPUTING AND APPLICATIONS

2025 JOURNAL MYCITE MAIN AUTHOR

## 7. SWINDLERT: DEVELOPMENT OF AUGMENTED REALITY GAME-BASED INTERACTIVITY FOR ENHANCING CYBERCRIME AWARENESS

JOURNAL OF COMPUTING RESEARCH AND INNOVATION (JCRINN)

2025 JOURNAL MYCITE MAIN AUTHOR

## 8. PILOT STUDY TO ENHANCE COVER-SELECTION-BASED AUDIO STEGANOGRAPHY (CAS) USING FEED-FORWARD NEURAL NETWORK

JOURNAL OF COMPUTING RESEARCH AND INNOVATION

2025 JOURNAL MYCITE CO-AUTHOR

## 9. BIG DATA-DRIVEN INFORMATION SECURITY BEHAVIOURAL PROFILING FOR ORGANISATIONAL RESILIENCE

JOURNAL OF ADVANCED RESEARCH IN BUSINESS AND MANAGEMENT STUDIES

2025 JOURNAL MYCITE CO-AUTHOR

## 10. UNIVERSITY VOTING SYSTEM USING FACIAL RECOGNITION TECHNOLOGY

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE (SAIS 2025)

2025 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 11. A STUDY ON MALAYSIAN DIGITAL SIGNATURE MARKET DEMAND AND FEASIBILITY OF CERTIFICATION AUTHORITY INTEROPERABILITY

MEDIA MATTERS-DIGITAL SOCIETY RESEARCH REPORT

2025 CHAPTER IN BOOK CO-AUTHOR

## 12. COVER SELECTION IN STEGANOGRAPHY: A SYSTEMATIC LITERATURE REVIEW

JOURNAL OF ADVANCED RESEARCH IN APPLIED SCIENCES AND ENGINEERING TECHNOLOGY

2024 JOURNAL SCOPUS CORRESPONDING AUTHOR

## 13. SAKTI: SECURED CHATTING TOOL THROUGH FORWARD SECRECY

JOURNAL OF ADVANCE RESEARCH IN APPLIED SCIENCES AND ENGINEERING TECHNOLOGY

2024 JOURNAL OTHER DATABASE MAIN AUTHOR

# PUBLICATION

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## 14. DISASTERPREP: GAMIFIED MOBILE EDUTAINMENT FOR FUTURE DISASTER PREPAREDNESS AND RESILIENCE

ASEAN JOURNAL OF TEACHING AND LEARNING IN HIGHER EDUCATION (AJTLHE)

2024 JOURNAL OTHER DATABASE MAIN AUTHOR

## 15. IMPROVING DYNAMIC SECURITY OF THE LEAST SIGNIFICANT BIT USING BLOCK-BASED CHAOTIC MULTI-LEVEL LSB (BCM-LSB)

THE 9TH INTERNATIONAL CONFERENCE ON CYBER SECURITY, PRIVACY IN COMMUNICATION NETWORKS (ICCS 2023)

2024 PROCEEDING SCOPUS CORRESPONDING AUTHOR

## 16. PILOT STUDY TO ENHANCE COVER-SELECTION-BASED AUDIO STEGANOGRAPHY (CAS) USING FEED-FORWARD NEURAL NETWORK

INTERNATIONAL SYMPOSIUM ON COMPUTER SCIENCES AND MATHEMATICS 2024 (I-SCHOMATICS 2024) ADVANCING COMPUTER SCIENCES, MATHEMATICS AND STATISTICS FOR SOCIETAL IMPACT

2024 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 17. ASSESSING FEATURES FOR MALAYSIAN UNIVERSITIES EXPERT DIRECTORY

2ND INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 18. DESIGN AND IMPLEMENTATION OF A GENETIC ALGORITHM-BASED BLOCK CIPHER FOR ENHANCED CRYPTOGRAPHIC SECURITY

SEMINAR ANTARABANGSA ISLAM DAN SAINS (SAIS) 2024

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 19. BIG DATA-DRIVEN INFORMATION SECURITY BEHAVIOURAL PROFILING FOR ORGANISATIONAL RESILIENCE

THE INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY (ICETS 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 20. INTEROPERABILITY CHALLENGES AMONG CERTIFICATION AUTHORITIES IN MALAYSIA: AN IN-DEPTH ANALYSIS

INTERNATIONAL CONFERENCE ON CYBER SECURITY, PRIVACY IN COMMUNICATION NETWORKS

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 21. ARABIC EXAM QUESTION GENERATION: AN NLP AND CORPUS-DRIVEN APPROACH

INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY (ICETS)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 22. A COMPARATIVE ANALYSIS OF KEY MANAGEMENT IN PKI INTEROPERABILITY USING SYSTEMATIC LITERATURE REVIEW

SCIENCE TECHNOLOGY GRADUATES COLLOQUIUM (KOSIST 2024)

2024 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 23. CRYPTOLEARN: AI-DRIVEN ADAPTIVE CRYPTOGRAPHY LEARNING

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE (SAIS 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 24. GLOBALIZING CYBER HASANAT: CULTIVATING DIGITAL LITERACY AND ETHICAL RESPONSIBILITY FOR THE RESILIENCE COMMUNITY

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE (SAIS 2024) - 7TH EDITION

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 25. DISASTERPREP: DISASTER PREPAREDNESS AND RESILIENCE THROUGH A MOBILE EDUTAINMENT

INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY (ICETS)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 26. SWINDLERT: DEVELOPMENT OF AUGMENTED REALITY GAME-BASED INTERACTIVITY FOR ENHANCING CYBERCRIME AWARENESS

INTERNATIONAL SYMPOSIUM ON COMPUTER SCIENCES AND MATHEMATICS 2024 (I-SCOMATICS)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

# PUBLICATION

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## 27. SYSTEMATIC LITERATURE REVIEW: TREND ANALYSIS ON THE DESIGN OF SECURE LIGHTWEIGHT BLOCK CIPHER

JOURNAL OF KING SAUD UNIVERSITY - COMPUTER AND INFORMATION SCIENCES

2023 JOURNAL SCOPUS CO-AUTHOR

## 28. OPTIMISED COVER SELECTION FOR AUDIO STEGANOGRAPHY USING MULTI-OBJECTIVE EVOLUTIONARY ALGORITHM

JOURNAL OF INFORMATION AND COMMUNICATION TECHNOLOGY

2023 JOURNAL SCOPUS CO-AUTHOR

## 29. A METHOD OF COVER AUDIO SELECTION FOR EMBEDDING BASED ON VARIOUS CRITERIA

1ST INTERNATIONAL CONFERENCE ON ADVANCES IN MACHINE INTELLIGENCE, AND CYBERSECURITY TECHNOLOGIES (AMICT2023)

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 30. CERTIFICATE AUTHORITY CAPACITY AND DIGITAL SIGNATURE MARKET DEMAND IN PROMOTING INTEROPERABILITY IN MALAYSIA.

1ST INTERNATIONAL CONFERENCE ON ADVANCES IN MACHINE INTELLIGENCE, AND CYBERSECURITY TECHNOLOGIES (AMICT2023)

2023 PROCEEDING NON-INDEX MAIN AUTHOR

## 31. SECURE CYBERCITIZENSHIP (SET): A GAMIFICATION LEARNING TOOL FOR CYBERSECURITY AWARENESS

ACADEMIA PRESS SOLUTIONS (APS) PROCEEDINGS VOLUME 6

2023 PROCEEDING NON-INDEX MAIN AUTHOR

## 32. A NEW METHOD TO ESTIMATE PEAK SIGNAL TO NOISE RATIO FOR LEAST SIGNIFICANT BIT MODIFICATION AUDIO STEGANOGRAPHY

PERTANIKA JOURNAL OF SCIENCE AND TECHNOLOGY

2022 JOURNAL ISI, SCOPUS AND ERA CORRESPONDING AUTHOR

## 33. LAO-3D: A SYMMETRIC LIGHTWEIGHT BLOCK CIPHER BASED ON 3D PERMUTATION FOR MOBILE ENCRYPTION APPLICATION

SYMMETRY

2022 JOURNAL SCOPUS CO-AUTHOR

## 34. A THEORETICAL COMPARATIVE ANALYSIS OF DNA TECHNIQUES USED IN DNA BASED CRYPTOGRAPHY

JOURNAL OF SUSTAINABILITY SCIENCE AND MANAGEMENT

2022 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

## 35. ENHANCING CYBER-ATTACKS AWARENESS VIA MOBILE GAMIFICATION TECHNIQUES

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN TECHNOLOGY AND INNOVATION

2022 JOURNAL OTHER DATABASE MAIN AUTHOR

## 36. STATISTICAL ANALYSIS OF 3D RECTANGLE ENCRYPTION ALGORITHM

RESEARCH WORLD INTERNATIONAL CONFERENCE

2022 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 37. ANALYSIS OF PERMUTATION FUNCTIONS FOR LIGHTWEIGHT BLOCK CIPHER DESIGN

8TH INTERNATIONAL CRYPTOLOGY AND INFORMATION SECURITY CONFERENCE 2022 (CRYPTOLOGY2022)

2022 PROCEEDING SCOPUS CORRESPONDING AUTHOR

## 38. GUIDELINES FOR GRADUATE STUDENTS? SUPERVISION(RESEARCH MODE) UNIVERSITI SAINS ISLAM MALAYSIA

2022 POLICY

## 39. SECURITY ANALYSIS BETWEEN STATIC AND DYNAMIC SBOXES IN BLOCK CIPHERS

JOURNAL OF INFORMATION SYSTEM AND TECHNOLOGY MANAGEMENT (JISTM)

2021 JOURNAL MYCITE CO-AUTHOR

# PUBLICATION

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## 40. COMPUTING II

2021 BOOK CO-AUTHOR

## 41. ANDROID APPLICATION OF IMAGE, AUDIO AND ARABIC TEXT STEGANOGRAPHY

APPLIED SCIENCE & TECHNOLOGY IN INFORMATION SECURITY & ASSURANCE, FINANCIAL MATHEMATICS & ACTUARIAL SCIENCE & RISK MANAGEMENT

2021 CHAPTER IN BOOK CORRESPONDING AUTHOR

## 42. ENHANCING USIM?S DIRECTORY OF EXPERTISE

APPLIED SCIENCE & TECHNOLOGY IN INFORMATION SECURITY & ASSURANCE, FINANCIAL MATHEMATICS & ACTUARIAL SCIENCE & RISK MANAGEMENT

2021 CHAPTER IN BOOK CORRESPONDING AUTHOR

## 43. REGULATIONS OF UNIVERSITI SAINS ISLAM MALAYSIA (GRADUATE STUDIES) 2007 (EDITION 2, AMENDMENT 2021)

2021 POLICY

## 44. DIGITAL AUDIO STEGANOGRAPHY: SYSTEMATIC REVIEW, CLASSIFICATION, AND ANALYSIS OF THE CURRENT STATE OF THE ART

COMPUTER SCIENCE REVIEW

2020 JOURNAL SCOPUS MAIN AUTHOR

## 45. RANDOMNESS TESTS ON NINE DATA CATEGORIES OF RECTANGLE USING NIST STATISTICAL TEST SUITE

INTERNATIONAL JOURNAL OF CRYPTOLOGY RESEARCH

2020 JOURNAL OTHER DATABASE CO-AUTHOR

## 46. GO-DETECT APPLICATION INSPIRED BY APOPTOSIS TO DETECT SMS EXPLOITATION BY MALWARES

LECTURE NOTES IN MECHANICAL ENGINEERING

2020 JOURNAL SCOPUS CO-AUTHOR

## 47. EXTENDED RECTANGLE ALGORITHM USING 3D BIT ROTATION TO PROPOSE A NEW LIGHTWEIGHT BLOCK CIPHER FOR IOT

IEEE ACCESS

2020 JOURNAL ISI CO-AUTHOR

## 48. THE PROGRESSIVE MULTILEVEL EMBEDDING METHOD FOR AUDIO STEGANOGRAPHY

JOURNAL OF PHYSICS.: CONFERENCE SERIES

2020 JOURNAL SCOPUS MAIN AUTHOR

## 49. RANDOMNESS ANALYSIS ON RECTANGLE BLOCK CIPHER

THE 7TH INTERNATIONAL CRYPTOLOGY AND INFORMATION SECURITY CONFERENCE 2020 (CRYPTOLOGY2020)

2020 PROCEEDING NON-INDEX CO-AUTHOR

## 50. MODIFICATIONS OF KEY SCHEDULE ALGORITHM ON RECTANGLE BLOCK CIPHER

2ND INTERNATIONAL CONFERENCE ON ADVANCES IN CYBER SECURITY (ACES 2020)

2020 PROCEEDING NON-INDEX CO-AUTHOR

## 51. FORMULATION OF 3D EUCLIDEAN DISTANCE FOR NETWORK CLUSTERING IN WIRELESS SENSOR NETWORK.

COMPUSOFT, AN INTERNATIONAL JOURNAL OF ADVANCED COMPUTER TECHNOLOGY

2019 JOURNAL SCOPUS CO-AUTHOR

## 52. TASK MAPPING AND ROUTING OPTIMIZATION FOR HARD REAL-TIME NETWORKS-ON-CHIP

BULLETIN OF ELECTRICAL ENGINEERING AND INFORMATICS

2019 JOURNAL SCOPUS CO-AUTHOR

# PUBLICATION

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## 53. THE ADAPTIVE MULTI-LEVEL PHASE CODING METHOD IN AUDIO STEGANOGRAPHY

IEEE ACCESS

2019 JOURNAL ISI CO-AUTHOR

## 54. BALANCING THE TRADE-OFF BETWEEN CAPACITY AND IMPERCEPTIBILITY FOR LEAST SIGNIFICANT BIT AUDIO STEGANOGRAPHY METHOD: A NEW PARAMETER

2019 IEEE CONFERENCE ON APPLICATION, INFORMATION AND NETWORK SECURITY (AINS)

2019 PROCEEDING NON-INDEX CO-AUTHOR

## 55. SPAM AND THE ETHICS OF SPAMMING FROM AN ISLAMIC PERSPECTIVE

THE INTEGRATION OF NAQLI AND AQLI IN INFORMATION SECURITY AND ASSURANCE FROM THE ISLAMIC & TECHNOLOGICAL PERSPECTIVES

2019 CHAPTER IN BOOK MAIN AUTHOR

## 56. MOBILE BOTNET CLASSIFICATION BY USING HYBRID ANALYSIS

INTERNATIONAL JOURNAL OF ENGINEERING AND TECHNOLOGY(UAE)

2018 JOURNAL SCOPUS CO-AUTHOR

## 57. RETRIEVAL PERFORMANCE FOR USIM""S QURANIC SEARCH ENGINE

INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY (UAE)

2018 JOURNAL SCOPUS CO-AUTHOR

## 58. MOBILE MALWARE CALL LOGS CLASSIFICATION BASED ON ANDROID PACKAGE INDEX (API)

JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

## 59. A SYSTEMATIC REVIEW ON SEMANTIC-BASED ONTOLOGY FOR QURANIC KNOWLEDGE

INTERNATIONAL JOURNAL OF ENGINEERING AND TECHNOLOGY(UAE)

2018 JOURNAL SCOPUS CO-AUTHOR

## 60. A NEW ANDROID BOTNET CLASSIFICATION FOR GPS EXPLOITATION BASED ON PERMISSION AND API CALLS

LECTURE NOTES IN ELECTRICAL ENGINEERING

2018 JOURNAL SCOPUS CO-AUTHOR

## 61. HYBRID SEARCH APPROACH FOR RETRIEVING MEDICAL AND HEALTH SCIENCE KNOWLEDGE FROM QURAN

INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY (UAE)

2018 JOURNAL SCOPUS CO-AUTHOR

## 62. MOBILE APPLICATION DESIGN FOR PROTECTING THE DATA IN CLOUD USING ENHANCED TECHNIQUE OF ENCRYPTION

INTERNATIONAL JOURNAL OF ENGINEERING AND TECHNOLOGY(UAE)

2018 JOURNAL SCOPUS CO-AUTHOR

## 63. A REVIEW ANALYSIS FOR TEXT STEGANOGRAPHY

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY (MJOSHT)

2018 JOURNAL OTHER DATABASE CO-AUTHOR

## 64. AN ADAPTIVE MULTI AMPLITUDE THRESHOLDS EMBEDDING ALGORITHM FOR AUDIO STEGANOGRAPHY

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY (MJOSHT)

2018 JOURNAL OTHER DATABASE CO-AUTHOR

## 65. A SYSTEMATIC REVIEW ANALYSIS FOR MOBILE BOTNET DETECTION USING GPS EXPLOITATION

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY (MJOSHT)

2018 JOURNAL OTHER DATABASE CO-AUTHOR

# PUBLICATION

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## 66. A FRAMEWORK TO ENHANCE THE WAVELET-BASED AUDIO STEGANOGRAPHY METHODS? ROBUSTNESS

THE 1ST INTERNATIONAL CONFERENCE ON IMMERSIVE EDUCATIONAL TECHNOLOGY 2018

2018 PROCEEDING NON-INDEX CO-AUTHOR

## 67. ANDROID MOBILE MALWARE CLASSIFICATION USING A TOKENIZATION APPROACH

TRANSACTIONS ON ENGINEERING TECHNOLOGIES

2018 CHAPTER IN BOOK CO-AUTHOR

## 68. INTELLIGENT QURANIC ONTOLOGY RETRIEVAL

ADVANCED SCIENCE LETTERS

2017 JOURNAL SCOPUS CO-AUTHOR

## 69. A NEW MOBILE BOTNET CLASSIFICATION BASED ON PERMISSION AND API CALLS

IEEE EXPLORE

2017 JOURNAL SCOPUS CO-AUTHOR

## 70. A HYBRID METHOD FOR DATA COMMUNICATION USING ENCRYPTED AUDIO STEGANOGRAPHY

ADVANCED SCIENCE LETTERS

2017 JOURNAL SCOPUS CO-AUTHOR

## 71. OPTIMIZING THE PERFORMANCE OF MOBILE MALWARE DETECTION USING THE INDEXING RULE

ADVANCED SCIENCE LETTERS

2017 JOURNAL SCOPUS CO-AUTHOR

## 72. A SYSTEMATIC REVIEW AND ANALYSIS OF MOBILE BOTNET DETECTION FOR GPS EXPLOITATION

ADVANCED SCIENCE LETTERS

2017 JOURNAL SCOPUS CO-AUTHOR

## 73. CLASSIFICATION FOR QURAN AUTHENTICATION USING CHARACTERS AND DIACRITICS HASHED VALUES

ADVANCED SCIENCE LETTERS

2017 JOURNAL SCOPUS MAIN AUTHOR

## 74. TEXT STEGANOGRAPHY USING EXTENSIONS KASHIDA BASED ON THE MOON AND SUN LETTERS CONCEPT

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS(IJACSA)

2017 JOURNAL OTHER DATABASE CO-AUTHOR

## 75. A NEW MOBILE BOTNET CLASSIFICATION BASED ON PERMISSION AND API CALLS

SEVENTH INTERNATIONAL CONFERENCE ON EMERGING SECURITY TECHNOLOGIES (EST), 2017

2017 PROCEEDING NON-INDEX CO-AUTHOR

## 76. ANDROID MOBILE MALWARE CLASSIFICATION USING TOKENIZATION APPROACH BASED ON SYSTEM CALL SEQUENCE

WORLD CONGRESS ON ENGINEERING AND COMPUTER SCIENCE (WCECS)

2017 PROCEEDING NON-INDEX CO-AUTHOR

## 77. PROCEEDING OF POSTGRADUATE COLLOQUIUM ON SCIENCE AND TECHNOLOGY

SEMINAR SISWAZAH SAINS DAN TEKNOLOGI (KOSIST'2016)

2017 PROCEEDING NON-INDEX EDITOR

## 78. INDEXING ANDROID MOBILE MALWARE

JOURNAL OF ENGINEERING AND APPLIED SCIENCES

2016 JOURNAL SCOPUS CO-AUTHOR

# PUBLICATION

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## 79. A SYSTEMATIC REVIEW ANALYSIS FOR QURAN VERSES RETRIEVAL

JOURNAL OF ENGINEERING AND APPLIED SCIENCES

2016 JOURNAL SCOPUS CO-AUTHOR

## 80. A REVIEW ANALYSIS FOR TEXT STEGANOGRAPHY

SEMINAR SISWAZAH FAKULTI SAINS DAN TEKNOLOGI 2016 (KOSIST'16)

2016 PROCEEDING NON-INDEX CO-AUTHOR

## 81. AN EFFICIENT DATA TRANSFORMATION TECHNIQUE FOR WEB LOG

INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND APPLICATIONS 2016

2016 PROCEEDING NON-INDEX CO-AUTHOR

## 82. A REVIEW ANALYSIS OF INDEXING RULE FOR MOBILE MALWARE DETECTION

SEMINAR SISWAZAH FAKULTI SAINS DAN TEKNOLOGI 2016 (KOSIST'16)

2016 PROCEEDING NON-INDEX CO-AUTHOR

## 83. A REVIEW ANALYSIS FOR MOBILE BOTNET DETECTION USING GPS EXPLOITATION

SEMINAR SISWAZAH FAKULTI SAINS DAN TEKNOLOGI 2016 (KOSIST'16)

2016 PROCEEDING NON-INDEX CO-AUTHOR

## 84. AN ADAPTIVE MULTI AMPLITUDE THRESHOLDS EMBEDDING ALGORITHM FOR AUDIO STEGANOGRAPHY

SEMINAR SISWAZAH FAKULTI SAINS DAN TEKNOLOGI 2016 (KOSIST'16)

2016 PROCEEDING NON-INDEX CO-AUTHOR

## 85. CLUSTERING ALGORITHM TO IMPROVE NETWORK CONNECTIVITY IN WSNS FOR CORRELATED NODES BEHAVIOUR: A SYSTEMATIC REVIEW

SEMINAR SISWAZAH FAKULTI SAINS DAN TEKNOLOGI 2016 (KOSIST'16)

2016 PROCEEDING NON-INDEX CO-AUTHOR

## 86. A SYSTEMATIC REVIEW ANALYSIS FOR INDEXING ALGORITHM FOR QURAN VERSES

INNOVATION IN STUDENT CENTERED TEACHING AND LEARNING

2016 CHAPTER IN BOOK CO-AUTHOR

## 87. SYSTEMATIC REVIEW FOR NETWORK SURVIVABILITY ANALYSIS IN MANETS

PROCEDIA - SOCIAL AND BEHAVIORAL SCIENCES

2015 JOURNAL OTHER DATABASE CO-AUTHOR

## 88. A SYSTEMATIC REVIEW ANALYSIS FOR INDEXING ALGORITHM FOR QURAN VERSES

INTERNATIONAL MULTICONFERENCE ON EDUCATION AND TECHNOLOGY (IMCET'15)

2015 PROCEEDING NON-INDEX CO-AUTHOR

## 89. USING PROBABILITY THEORY TO IDENTIFY THE UNSURE VALUE OF AN INCOMPLETE SENTENCE.

17TH UKSIM-AMSS INTERNATIONAL CONFERENCE ON MODELLING AND SIMULATION

2015 PROCEEDING NON-INDEX CO-AUTHOR

## 90. ANDROID MOBILE MALWARE SURVEILLANCE EXPLOITATION VIA CALL LOGS: PROOF OF CONCEPT

17TH UKSIM-AMSS INTERNATIONAL CONFERENCE ON MODELLING AND SIMULATION

2015 PROCEEDING NON-INDEX CO-AUTHOR

## 91. AN EFFICIENT EASY COMPUTER EMERGENCY RESPONSE TEAM MALWARE RESERVOIR SYSTEM (EZCERT).

17TH UKSIM-AMSS INTERNATIONAL CONFERENCE ON MODELLING AND SIMULATION

2015 PROCEEDING NON-INDEX CO-AUTHOR

# PUBLICATION

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## 92. A PROPOSED SYSTEM CONCEPT ON ENHANCING THE ENCRYPTION AND DECRYPTION METHOD FOR CLOUD COMPUTING

17TH UKSIM-AMSS INTERNATIONAL CONFERENCE ON MODELLING AND SIMULATION

2015 PROCEEDING NON-INDEX CO-AUTHOR

## 93. NETWORK SURVIVABILITY ANALYSIS MODELING APPROACH FOR MANETS : A SYSTEMATIC REVIEW

FOURTH WORLD CONGRESS ON INFORMATION AND COMMUNICATION TECHNOLOGIES (WICT 2014)

2014 PROCEEDING NON-INDEX CO-AUTHOR

## 94. AWARENESS, KNOWLEDGE AND PERCEPTION OF ONLINE SPAM

JOURNAL OF NEXT GENERATION INFORMATION TECHNOLOGY

2013 JOURNAL SCOPUS MAIN AUTHOR

## 95. A SURVEY OF AWARENESS, KNOWLEDGE AND PERCEPTION OF ONLINE SPAM

7TH INTERNATIONAL CONFERENCE ON COMPUTING AND CONVERGENCE TECHNOLOGY (ICCT)2012

2012 PROCEEDING NON-INDEX MAIN AUTHOR

## 96. SPAM 2.0

INTERNATIONAL CONFERENCE ON CLOUD & UBIQUITOUS COMPUTING & EMERGING TECHNOLOGIES (CUBE 2012)

2012 PROCEEDING NON-INDEX CO-AUTHOR

## 97. THE CHANGING NATURE OF SPAM 2.0

INTERNATIONAL CONFERENCE ON CLOUD & UBIQUITOUS COMPUTING & EMERGING TECHNOLOGIES (CUBE 2012)

2012 PROCEEDING NON-INDEX CO-AUTHOR

## 98. STORAGE COST OF SPAM 2.0 IN A WEB DISCUSSION FORUM.

8TH ANNUAL COLLABORATION, ELECTRONIC MESSAGING, ANTI-ABUSE AND SPAM CONFERENCE (CEAS 2011)

2011 PROCEEDING NON-INDEX MAIN AUTHOR

## 99. KEY PARAMETERS IN IDENTIFYING COST OF SPAM 2.0

24TH IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION NETWORKING AND APPLICATIONS (AINA 2010)

2010 PROCEEDING NON-INDEX MAIN AUTHOR

## 100. FACTORS INVOLVED IN ESTIMATING COST OF EMAIL SPAM

INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE AND ITS APPLICATIONS (ICCSA 2010)

2010 PROCEEDING NON-INDEX MAIN AUTHOR

## 101. SPAM 2.0: THE PROBLEM AHEAD

INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE AND ITS APPLICATIONS (ICCSA 2010)

2010 PROCEEDING NON-INDEX MAIN AUTHOR

## 102. SPAM 2.0: THE PROBLEM AHEAD

LECTURE NOTES IN COMPUTER SCIENCE (LNCS)

2010 CHAPTER IN BOOK CO-AUTHOR

## 103. FACTORS INVOLVED IN ESTIMATING COST OF EMAIL SPAM

LECTURE NOTES IN COMPUTER SCIENCE (LNCS)

2010 CHAPTER IN BOOK MAIN AUTHOR

# CONSULTATION

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## 1. AHLI PERUNDING BAGI KERJA-KERJA PENGATURCARAAN SISTEM KIPLEPAY

KIPLEPAY SDN BHD

2019 NATIONAL

## 2. PENGGUBAL SOALAN SAINS KOMPUTER SEMESTER II (SCS015)

KEMENTERIAN PENDIDIKAN MALAYSIA

2018 NATIONAL

## 3. PENTAKSIR SOALAN SAINS KOMPUTER

KEMENTERIAN PENDIDIKAN

2018 NATIONAL

## 4. PANEL PENILAI PROGRAM BACHELOR OF SCIENCE (HONS) COMPUTATIONAL MATHEMATICS (CS227/247)

UNIVERSITI TEKNOLOGI MARA MALAYSIA (UITM)

2018 NATIONAL

## 5. PASUKAN TEKNIKAL TASK FORCE DISASTER RECOVERY CENTER

USIM

2018 UNIVERSITY

## 6. PEMERIKSA SKRIP JAWAPAN SAINS KOMPUTER (SC025)

KEMENTERIAN PENDIDIKAN MALAYSIA

2017 INTERNATIONAL

## 7. PEMERIKSA SOALAN PEPERIKSAAN SEMESTER PROGRAM MATRIKULASI (PSPM) MATA PELAJARAN SAINS KOMPUTER

KEMENTERIAN PENDIDIKAN MALAYSIA (KPM)

2016 NATIONAL

## 8. PENGGUBAL SOALAN PENGATURCARAAN SEMPENA PERTANDINGAN PENGATURCARAAN DAN MULTIMEDIA (ATURKREATIF'16)

FST USIM

2016 UNIVERSITY

## 9. JOINT USER REQUIREMENTS GATHERING AND INTERFACE DESIGN OF IPSS SYSTEM

IKHTISAS VENTURE

2015 NATIONAL

## 10. PEMERIKSA SOALAN PEPERIKSAAN SEMESTER PROGRAM MATRIKULASI (PSPM) MATA PELAJARAN SAINS KOMPUTER

BAHAGIAN MATRIKULASI KEMENTERIAN PENDIDIKAN MALAYSIA

2015 NATIONAL

## 11. PEMERIKSA SOALAN PEPERIKSAAN SEMESTER PROGRAM MATRIKULASI (PSPM) MATA PELAJARAN SAINS KOMPUTER

BAHAGIAN MATRIKULASI KEMENTERIAN PENDIDIKAN MALAYSIA

2015 NATIONAL

## 12. PENGGUBAL SOALAN SAINS KOMPUTER SEMESTER II SC025

KEMENTERIAN PENDIDIKAN MALAYSIA (KPM)

2015 NATIONAL

## 13. PENYUNTING PENAMBAHBAIK MODUL BAGI RESEARCH METHODOLOGY

PUSAT AKSES PEMBELAJARAN TERBUKA GLOBAL (GOAL CENT)

2014 UNIVERSITY

**14. TENAGA PENGAJAR SIBILAN PUSAT PEMBANGUNAN KEMAHIRAN INSANIAH (PPKI) USIM**

PUSAT PEMBANGUNAN KEMAHIRAN INSANIAH (PPKI) USIM

2014

UNIVERSITY

# AWARDS/RECOGNITION

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## 1. STAF CONTOH BULANAN JANUARI 2025 (KATEGORI AKADEMIK & ANTARABANGSA)

2025 OTHERS

## 2. ANUGERAH PENERBITAN JURNAL BERINDEKS WOS/SCOPUS/MYCITE

2025 OTHERS

## 3. ANUGERAH PENERIMA BILANGAN GERAN TERBANYAK

2025 STATE

## 4. ANUGERAH PENERIMA GERAN PENYELIDIKAN

2025 OTHERS

## 5. ANUGERAH PEMFAILAN HARTA INTELEK

2025 OTHERS

## 6. ANUGERAH PENCAPAIAN RPI TERBAIK (10 TERTINGGI)

2025 OTHERS

## 7. ANUGERAH LIBATSAMA KOMUNITI CYBER HASANAT: MEMERANGI TAKTIK KEJURUTERAAN SOSIAL

2025 OTHERS

## 8. ANUGERAH LIBATSAMA KOMUNITI CYBER HASANAT: LINDUNGI IDENTITI, BERSAMA MEMACU TRANSFORMASI DIGITAL

2025 OTHERS

## 9. VISITING SCHOLAR

UNIVERSITAS ADZKIA, INDONESIA

2025 INTERNATIONAL

## 10. VISITING RESEARCHER

JINAN, SHANDONG PROVINCE, CHINA

2025 INTERNATIONAL

## 11. VISITING PROFESOR

UNIVERSITAS MUSLIM INDONESIA, MAKASSAR, INDONESIA

2025 INTERNATIONAL

## 12. VISITING SCHOLAR

UNIVERSITY AL MAARIF, IRAQ

2025 INTERNATIONAL

## 13. TRAINER / FACILITATOR

PUSAT KECEMERLANGAN PENGAJARAN DAN PEMBELAJARAN (CETL)

2025 UNIVERSITY

## 14. A HYBRID LLM-GAN AUDIO STEGANOGRAPHY METHOD FOR SECURE MENTAL HEALTH COMMUNICATION

Final Year Project & Postgraduate (FYPP): Research & Innovation Poster Competition 2025

2025 KEBANGSAAN GOLD

# AWARDS/RECOGNITION

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## 15. ENHANCING CRYPTOGRAPHIC RESILIENCE THROUGH SYMMETRIC ENCRYPTION ALGORITHM UTILIZING VARIABLE LENGTH CHROMOSOMES GENETIC ALGORITHM

Final Year Project & Postgraduate (FYPP): Research & Innovation Poster Competition 2025

2025 KEBANGSAAN GOLD

## 16. PSYSAFE: A HIPAA-COMPLIANT TELETHERAPY PLATFORM WITH HYBRID LLM-GAN STEGANOGRAPHIC METHOD

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA SILVER

## 17. AL-ASILAH: ARABIC EXAM QUESTION GENERATOR

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA SILVER

## 18. A CLOUD-BASED HYBRID CERTIFICATE AUTHORITY MODEL INTEGRATING THRESHOLD CRYPTOGRAPHY AND TEMPORAL SHARED KEYS

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA SILVER

## 19. PSYSAFE: PRIVATE AND SECURE TELETHERAPY APP

JOHOR INTERNATIONAL INNOVATION, INVENTION COMPETITION AND SYMPOSIUM 2025 (JIICaS 2025)

2025 ANTARABANGSA SILVER

## 20. AL-ASLAH ARABIC EXAM QUESTION GENERATOR

Final Year Project & Postgraduate (FYPP): Research & Innovation Poster Competition 2025

2025 KEBANGSAAN SILVER

## 21. ANUGERAH PENYELIA TERBILANG

2024 UNIVERSITY

## 22. ANUGERAH PENERBITAN JURNAL BERINDEKS WOS/ SCOPUS/ MYCITE

2024 UNIVERSITY

## 23. VISITING SCHOLAR

UNIVERSITY OF ANBAR, IRAQ

2024 INTERNATIONAL

## 24. VISITING SCHOLAR

AL MAARIF UNIVERSITY COLLEGE, IRAQ

2024 INTERNATIONAL

## 25. BALANCED COVER AUDIO SUGGESTION FOR AUDIO STEGANOGRAPHY ALGORITHM BASED ON NSGA-II, SEGMENTATION AND CHAOTIC MAP

RESEARCH SEMINAR UNIVERSITI SAINS ISLAM MALAYSIA

2024 UNIVERSITI CERTIFICATE OF APPRECIATION

## 26. DISASTERPREP: GAMIFIED MOBILE EDUTAINMENT FOR FUTURE DISASTER PREPAREDNESS AND RESILIENCE

International Teaching Enhancement & Learning Innovation Carnival 2024

2024 ANTARABANGSA BRONZE

## 27. SWINDLERT: DEVELOPMENT OF AUGMENTED REALITY GAME-BASED INTERACTIVITY FOR ENHANCING CYBERCRIME AWARENESS

International Symposium on Computer Sciences and Mathematics (i-SCOMATICS) 2024

2024 ANTARABANGSA CERTIFICATE OF APPRECIATION

**28. SWINDLERT: DEVELOPMENT OF AUGMENTED REALITY GAME-BASED INTERACTIVITY FOR ENHANCING CYBERCRIME AWARENESS**

International Symposium on Computer Sciences and Mathematics (i-SCOMATICS) 2024

2024

ANTARABANGSA

BEST PAPER AWARD

# AWARDS/RECOGNITION

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## 29. DISASTERPREP SCENARIO SIMULATIONS: RAPID DECISION-MAKING FOR READINESS

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI GOLD

## 30. SCIENCE MAPPING OF INFORMATION SECURITY BEHAVIOUR FOR ORGANISATIONAL RESILIENCE

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

## 31. PROFINDER - INTELLIGENT EXPERT RECOMMENDER FOR USIM CYBERSECURITY DIRECTORY USING LARGE LANGUAGE MODELS (LLMS)

SCIENCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI SILVER

## 32. SAKTI-CHATBOX

Malaysia Technology Expo (MTE) 2023

2023 ANTARABANGSA SILVER

## 33. SWINDLERT: MOBILE GAMIFICATION USING AUGMENTED REALITY FOR CYBERCRIME EDUTAINMENT

The International E-Content Development Competition 2023 (eCONDEV 2023)

2023 ANTARABANGSA GOLD

## 34. SECURE CYBERCITIZENSHIP (SET)

VIRTUAL INNOVATION CEMPETITION 2023

2023 KEBANGSAAN SILVER

## 35. SWINDLERT: MOBILE GAMIFICATION USING AUGMENTED REALITY FOR CYBERCRIME EDUTAINMENT

International University Carnival On E-Learning (IUCEL 2023)

2023 ANTARABANGSA SILVER

## 36. NEXT-GEN SECURITY OPERATIONS CENTER (NGSOC) MANAGEMENT PROCEDURE IN SECURITY OPERATIONS CENTRE (SOC) FROM TECHNOLOGY PERSPECTIVE

INNOVATION BANK CHALLENGE 2023 (IBC2023)

2023 UNIVERSITI BRONZE

## 37. A METHOD OF COVER AUDIO SELECTION FOR EMBEDDING BASED ON VARIOUS CRITERIA

International Conference on Advances in Machine Intelligence and Cybersecurity Technologies (AMICT)

2023 ANTARABANGSA BEST PAPER AWARD

## 38. SAKTI: SECURE CHAT-BOX

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

2023 UNIVERSITI GOLD

## 39. SWINDLERT

Malaysia Technology Expo (MTE) 2023

2023 ANTARABANGSA BRONZE

## 40. SECURE CYBERCITIZENSHIP (SET)

Malaysia Technology Expo (MTE) 2023

2023 ANTARABANGSA GOLD

## 41. CYBER HASANAT: RESILIENT COMMUNITY VIA SECURE CYBERCITIZENSHIP BOARD GAME

Pertandingan Inovasi Pengajaran dan Pembelajaran (kNovasi) 2023

2023 KEBANGSAAN BRONZE



# AWARDS/RECOGNITION

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## 43. STAF CONTOH PUSAT PENGAJIAN SISWAZAH BULAN JANUARI 2022

2022 OTHERS

## 44. SAKTI: SECURE APP FOR ENKRIPTING TEXT INFORMATION

INNOVATION BANK CHALLENGE (IBC 2022)

2022 UNIVERSITI GOLD

## 45. SAKTI: SECURE APP FOR ENKRYPTING TEXT INFORMATION

Defence, Security and Sustainability Exhibition 2022 (DSS) National Defence University of Malaysia

2022 KEBANGSAAN GOLD

## 46. DEVELOPMENT OF SECURE LIGHTWEIGHT BLOCK CIPHER BASED ON 3D ROTATION METHOD FOR DATA PROTECTION ON MOBILE APPLICATION

INNOVATION BANK CHALLENGE (IBC 2022)

2022 UNIVERSITI GOLD

## 47. COVER-SELECTION-BASED AUDIO STEGANOGRAPHY (CAS) BASED ON LEAST SIGNIFICANT BIT (LSB) FOR BALANCED PERFORMANCE

INNOVATION BANK CHALLENGE (IBC 2022)

2022 UNIVERSITI GOLD

## 48. CYBERPOLY: CYBERSECURITY EDUGAME

Persidangan dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA22)

2022 ANTARABANGSA GOLD

## 49. SAKTI: SECURE APP FOR ENKRIPTING TEXT INFORMATION

Persidangan dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA22)

2022 ANTARABANGSA GOLD

## 50. CYBERPOLY: CYBERSECURITY EDUGAME

INNOVATION BANK CHALLENGE (IBC 2022)

2022 UNIVERSITI SILVER

## 51. UTILIZING MULTI-CHARACTERISTIC-BASED COVER AUDIO SELECTION (MCAS) FOR SECURE COMMUNICATION

FINAL YEAR PROJECT & POSTGRADUATE: RESEARCH & INNOVATION POSTER COMPETITION (RIPC) SERIES 2/2022

2022 UNIVERSITI BRONZE

## 52. SAKTI

33RD INTERNATIONAL INVENTION, INNOVATION & TECHNOLOGY EXHIBITION, MALAYSIA (ITEX'22)

2022 ANTARABANGSA SILVER

## 53. CYBERPOLY: MOBILE GAMIFICATION FOR SECURITY AWARENESS CAMPAIGN

MALAYSIA TECHNOLOGY EXPO 2022

2022 ANTARABANGSA BRONZE

## 54. SILVER AWARD

2021 INTERNATIONAL

## 55. CYBERLAW ALMANAC

THE VIRTUAL INTERNATIONAL E-CONTENT DEVELOPMENT COMPETITION 2021 (ECONDEV)

2021 ANTARABANGSA SILVER

## 56. MOBAS: MOBILE BARCODE SCANNER BASED ATTENDANCE SYSTEM FOR EDUCATION 4.0

INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL) 2019

2019 ANTARABANGSA BRONZE

# AWARDS/RECOGNITION

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## 57. DASHBOARD MONITORING SYSTEM (DMS) FOR POSTGRADUATE STUDY

INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL) 2019

2019 ANTARABANGSA BRONZE

## 58. USIM TOP 100 RESEARCHERS (2013-2017)

2018 UNIVERSITY

## 59. ANUGERAH PERKHIDMATAN CEMERLANG 2017

2018 UNIVERSITY

## 60. ACADEMIC ADVISOR

KEMENTERIAN PENGAJIAN TINGGI

2018 NATIONAL

## 61. TOP 100 RESEARCHERS USIM ( 2013-2017)

TOP 100 RESEARCHERS

2018 UNIVERSITI CERTIFICATE OF APPRECIATION

## 62. SUPPORTING ELEARNING THROUGH CENTRALIZED INTEGRATED PORTAL POSTGRADUATE SYSTEM (IPPS)

INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL 2017)

2017 ANTARABANGSA GOLD

## 63. SUPPORTING ELEARNING THROUGH CENTRALIZED INTEGRATED PORTAL POSTGRADUATE SYSTEM (IPPS)

INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING (IUCEL 2017)

2017 UNIVERSITI GOLD

## 64. ANUGERAH PENSYARAH AKTIF

2016 UNIVERSITY

## 65. IM READY

27TH INTERNATIONAL INVENTION & INNOVATION EXHIBITION 2016 (ITEX 2016)

2016 ANTARABANGSA SILVER

## 66. IMREADY

International Invention, Innovation & Technology Exhibition

2016 ANTARABANGSA SILVER

## 67. Q-CHECKED

EKSPLO INOVASI ISLAM 1438H (i-INOVA16)

2016 UNIVERSITI SILVER

## 68. ANUGERAH KECEMERLANGAN PENYELIDIKAN 2014 - EZCERT

2015 UNIVERSITY

## 69. CERTIFIED RAPIDMINER ANALYST

2015 OTHERS

## 70. EZCERT 2.0

Pertandingan Ekspo Ciptaan Institusi Pengajian Tinggi dan Antarabangsa (PECIPTA) 2015

2015 ANTARABANGSA BRONZE

# AWARDS/RECOGNITION

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## 71. EZCERT

25TH INTERNATIONAL INVENTION , INNOVATION & TECHNOLOGY EXHIBITION (ITEX 2014)

2014

ANTARABANGSA

GOLD

## 72. STADIR : STATIC DYNAMIC INCIDENT RESPONSE MALWARE DATASET MODEL

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

2013

KEBANGSAAN

BRONZE

## 73. VICE CHANCELLOR AWARD IN THE UTM 36TH CONVOCATION

2006

UNIVERSITY