



**PROF. MADYA DR. NAJWA
HAYAATI BINTI MOHD ALWI**

PENSYARAH UNIVERSITI DS14

CONTACT

Phone: 86423

E-mail: najwa@usim.edu.my

Faculty: Fakulti Sains Dan
Teknologi

SUPERVISION

PhD - Completed: 11, Ongoing: 0

Master - Completed: 6, Ongoing: 0

AREAS OF EXPERTISE

Edutainment

Other Emergent Information Technology

Information Management

Computer Security

Information, Computer And Communication Technologies

ACADEMIC QUALIFICATION

PhD in Teknologi Maklumat (2012)

Master in Teknologi Maklumat (2000)

Bachelor in Teknologi Maklumat (1998)

RESEARCH

1. A STUDY ON USER BEHAVIOUR PROFILING FOR ORGANIZATIONAL SECURITY RESILIENCE

2023

GERAN PENYELIDIKAN USIM

ON GOING

MAIN RESEARCHER

2. PEMBANGUNAN ENSIKLOPEDIA DIGITAL SOLAT

2017

GERAN PENYELIDIKAN KHAS

COMPLETED

MAIN RESEARCHER

3. A NEW INTEGRATED POSTGRADUATE STUDENT SYSTEMS DEVELOPMENT

2015

GERAN PENYELIDIKAN KHAS

COMPLETED

MAIN RESEARCHER

4. DESIGNING AN INTEGRATED NAQLI & AQLI SELF- INSTRUCTIONAL LEARNING MODULE(INASILM) FRAMEWORK FOR EFFECTIVE E-CONTENT DEVELOPMENT

2015

GERAN PENYELIDIKAN PENTADBIR

COMPLETED

MAIN

RESEARCHER

5. THE USAGE OF ICT IN FATWA MANAGEMENT SYSTEM IN MALAYSIA

2004

GERAN PENYELIDIKAN FUNDAMENTAL

COMPLETED

MAIN

RESEARCHER

PUBLICATION

1. 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

2. 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

3. ASSESSING FEATURES FOR MALAYSIAN UNIVERSITIES EXPERT DIRECTORY
2ND INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY

2024 PROCEEDING NON-INDEX MAIN AUTHOR

4. ARABIC EXAM QUESTION GENERATION: AN NLP AND CORPUS-DRIVEN APPROACH
INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY (ICETS)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

5. CRYPTOLEARN: AI-DRIVEN ADAPTIVE CRYPTOGRAPHY LEARNING
INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE (SAIS 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

6. DIGITAL CERTIFICATE-BASED AUTHENTICATION MODEL FOR ENHANCED SMARTPHONE SECURITY
SYMPOSIUM ON COMPUTER SCIENCE AND MATHEMATICS (SCOMATICS 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

7. 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

8. DISASTERPREP: DISASTER PREPAREDNESS AND RESILIENCE THROUGH A MOBILE EDUTAINMENT
INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY (ICETS)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

9. 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

10. 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

11. SECURE CYBERCITIZENSHIP (SET): A GAMIFICATION LEARNING TOOL FOR CYBERSECURITY AWARENESS
ACADEMIA PRESS SOLUTIONS (APS) PROCEEDINGS VOLUME 6

2023 PROCEEDING NON-INDEX MAIN AUTHOR

12. ONLINE TEACHING AND LEARNING DURING THE COVID-19 PANDEMIC: A NEW PERSPECTIVE AND EXPERIENCE
EDUCATION DURING THE PANDEMIC

2023 CHAPTER IN BOOK MAIN AUTHOR

13. GARIS PANDUAN PEMBANGUNAN DAN PENAWARAN PROGRAM PEMBELAJARAN TERBUKA DAN JARAK JAUH (ODL) USIM

2023 POLICY

PUBLICATION

14. GARIS PANDUAN PENGGUNAAN TEKNOLOGI KECERDASAN BUATAN GENERATIF (GENERATIVE ARTIFICIAL INTELLIGENCE) DLM PENGAJARAN DAN PEMBELAJARAN

2023 POLICY

**15. PENIPUAN DALAM TALIAN: SIAPA MANGSA DAN SIAPA PENYUMBANG
JENAYAH SIBER DI MALAYSIA: IMPAK LELUASA INTERNET**

2022 CHAPTER IN BOOK MAIN AUTHOR

**16. ONLINE FRAUD: WHO ARE THE VICTIMS AND WHO ARE THE ENABLERS
CYBERCRIME IN MALAYSIA-THE PERVASIVE IMPACT OF THE INTERNET**

2022 CHAPTER IN BOOK MAIN AUTHOR

17. GARIS PANDUAN PENTAKSIRAN DAN PENILAIAN (SEMAKAN 2022)

2022 POLICY

18. GARIS PANDUAN PERLAKSANAAN PENILAIAN SECARA DALAM TALIAN UNIVERSITI SAINS ISLAM MALAYSIA

2022 POLICY

19. CYBERLAW MOOC

2020 BOOK MAIN AUTHOR

**20. SUCCESSFUL FACTORS FOR TEACHING AND LEARNING USING MOBILE APPLICATIONS7
INTERNATIONAL JOURNAL OF INNOVATION, CREATIVITY AND CHANGE**

2019 JOURNAL ERA MAIN AUTHOR

**21. SUCCESSFUL FACTORS FOR TEACHING AND E LEARNING USING MOBILE APPLICATION.
INTERNATIONAL CONFERENCE ON BUSINESS ECONOMY SOCIAL & TECHNOLOGY 2019**

2019 PROCEEDING NON-INDEX MAIN AUTHOR

22. DIGITAL EDUCATION LEADERSHIP ACTION TRAINING (DELAT).

2018 BOOK MAIN AUTHOR

23. GARIS PANDUAN E PEMBELAJARAN USIM

2018 POLICY

**24. MOBILE LEARNING -CYBERLAW COURSE, THE APPLICATION DEVELOPMENT AND STUDENTS PERCEPTIONS
PAN COMMONWEALTHFORUM 8 (PCF8) 2016**

2016 PROCEEDING NON-INDEX MAIN AUTHOR

**25. HOLISTIC SELF-INSTRUCTIONAL LEARNING MODULE TEMPLATE
PAN-COMMONWEALTH FORUM ON OPEN LEARNING PCF8**

2016 PROCEEDING NON-INDEX MAIN AUTHOR

26. INTEGRATING THE NAQLI & AQLI KNOWLEDGE IN SELF INSTRUCTIONAL LEARNING MODULE (SILM)

2016 BOOK MAIN AUTHOR

PUBLICATION

27. CONCEPTUAL STUDY TOWARDS INFORMATION SECURITY MODEL FOR E-LEARNING STAKEHOLDERS

ARPN JOURNAL OF ENGINEERING AND APPLIED SCIENCES

2015 JOURNAL SCOPUS MAIN AUTHOR

28. CONCEPTUAL STUDY TOWARDS INFORMATION SECURITY MODEL FOR E-LEARNING STAKEHOLDERS.

2ND INTERNATIONAL CONFERENCE ON COMMUNICATION AND COMPUTER ENGINEERING (ICOCOE) 2015 A SPRINGER LNEE SERIES

2015 PROCEEDING NON-INDEX MAIN AUTHOR

29. MANAGING ORGANIZATIONAL CULTURE REQUIREMENT FOR BUSINESS CONTINUITY MANAGEMENT (BCM) IMPLEMENTATION USING GOAL-QUESTION-METRIC (GQM) APPROACH

THE IEEE CONFERENCE ON OPEN SYSTEM (ICOS) 2015

2015 PROCEEDING NON-INDEX MAIN AUTHOR

30. CORRELATED TOPOLOGY CONTROL ALGORITHM FOR SURVIVAL NETWORK IN MANETS

2ND INTERNATIONAL CONFERENCE ON COMMUNICATION AND COMPUTER ENGINEERING (ICOCOE) 2015 A SPRINGER LNEE SERIES

2015 PROCEEDING NON-INDEX MAIN AUTHOR

31. BLENDED LEARNING OPEN ONLINE COURSE

INTERNATIONAL MULTI CONFERENCE ON EDUCATION TECHNOLOGY (IMCET) 2015

2015 PROCEEDING NON-INDEX MAIN AUTHOR

32. INFUSING SOCIAL MEDIA IN TEACHING AND LEARNING (TNL) AT TERTIARY INSTITUTIONS: A CASE OF EFFECTIVE COMMUNICATION IN UNIVERSITI SAINS ISLAM MALAYSIA (USIM)

INTERNATIONAL CONFERENCE ON COMMUNICATION AND MEDIA (I-COME'14)

2014 PROCEEDING NON-INDEX MAIN AUTHOR

33. ONLINE BANKING AWARENESS MECHANISMS FOR SECURITY FRAUD ALERTS.

PIONEERING ISLAMIC SCIENCE, SPEARHEADING KNOWLEDGE

2014 CHAPTER IN BOOK MAIN AUTHOR

34. CULTURAL VIEWS INCLUSIVE IN E-LEARNING RISK ANALYSIS

IEEE SYMPOSIUM ON E-LEARNING, E-MANAGEMENT AND E-SERVICES (IS3E)

2012 PROCEEDING NON-INDEX MAIN AUTHOR

35. A STUDY ON ICT IN FATWA MANAGEMENT IN MALAYSIA

JURNAL PENGURUSAN DAN PENYELIDIKAN FATWA / JOURNAL OF FATWA MANAGEMENT AND RESEARCH

2011 JOURNAL WOS MAIN AUTHOR

36. E-LEARNING AND INFORMATION SECURITY MANAGEMENT

INTERNATIONAL JOURNAL DIGITAL SOCIETY (IJDS)

2010 JOURNAL WOS MAIN AUTHOR

37. THREATS ANALYSIS FOR E-LEARNING

INTERNATIONAL JOURNAL OF TECHNOLOGY ENHANCED LEARNING (IJTEL)

2010 JOURNAL WOS MAIN AUTHOR

38. INFORMATION SECURITY THREATS ANALYSIS FOR E-LEARNING?, TECHNOLOGY ENHANCED LEARNING, QUALITY OF TEACHING AND EDUCATIONAL REFORM (SPRINGER E-BOOK)

2010 BOOK MAIN AUTHOR

39. INFORMATION SECURITY THREATS ANALYSIS FOR E-LEARNING

TECHNOLOGY ENHANCED LEARNING, QUALITY OF TEACHING AND EDUCATIONAL REFORM

2010 CHAPTER IN BOOK MAIN AUTHOR

PUBLICATION

40. INFORMATION SECURITY MANAGEMENT IN E-LEARNING

INTERNATIONAL CONFERENCE ON INTERNET TECHNOLOGY AND SECURED TRANSACTIONS (ICITST) 2009

2009 PROCEEDING NON-INDEX MAIN AUTHOR

41. USERS' PERSPECTIVE ON ICT INFRASTRUCTURE IN A HIGHER LEARNING INSTITUTION.

9TH INTERNATIONAL BUSINESS INFORMATION MANAGEMENT CONFERENCE (IBIMA), 2008

2008 PROCEEDING NON-INDEX MAIN AUTHOR

42. KESAN PENGINTEGRASIAN ICT DAN PENDIDIKAN DALAM PEMBENTUKAN EKONOMI BERASASKAN PENGETAHUAN. ISU-ISU SEMASA GLOBAL SEMPENA KEMERDEKAAN KE 50.

2007 BOOK MAIN AUTHOR

43. A SURVEY ON KNOWLEDGE MANAGEMENT AT MUFTI'S DEPARTMENTS IN MALAYSIA.

KNOWLEDGE MANAGEMENT INTERNATIONAL CONFERENCE AND EXHIBITION 2006.:ORGANIZATIONAL AND INTER-ORGANIZATIONAL LEARNING: CREATING, RETAINING & TRANSFERRING KNOWLEDGE.

2006 PROCEEDING NON-INDEX MAIN AUTHOR

44. A SURVEY ON KNOWLEDGE MANAGEMENT AT MUFTI'S DEPARTMENTS IN MALAYSIA.

ORGANIZATIONAL AND INTER-ORGANIZATIONAL LEARNING: CREATING, RETAINING & TRANSFERRING KNOWLEDGE.KNOWLEDGE MANAGEMENT INTERNATIONAL CONFERENCE AND EXHIBITION 2006.

2006 PROCEEDING NON-INDEX MAIN AUTHOR

45. MALAYSIAN FATWA WEBSITES STUDIES.

INTERNATIONAL CONFERENCE ON ICT FOR THE MUSLIM WORLD. 21-23 NOVEMBER 2006.

2006 PROCEEDING NON-INDEX MAIN AUTHOR

46. BLENDED E-LEARNING FOR ISLAMIC STUDIES AT INSTITUTION OF HIGHER LEARNING IN MALAYSIA.

THE TWELFTH INTERNATIONAL CONFERENCE ON LEARNING

2005 PROCEEDING NON-INDEX MAIN AUTHOR

47. THE IMPLEMENTATION OF ICT IN THE PROMULGATION OF FATWA: NEEDS & IMPLICATION.

ASEAN REGIONAL SEMINAR ON FATWA MANAGEMENT.

2005 PROCEEDING NON-INDEX MAIN AUTHOR

48. CONTINGENCY PLAN AND SOLUTIONS FOR INTERNET PROGRAMMING SECURITY.

THE 4TH INTERNATIONAL CONFERENCE ON DISASTER MANAGEMENT: DISASTER RISKS AND VULNERABILITIES REDUCTION.

2003 PROCEEDING NON-INDEX MAIN AUTHOR

49. DISASTER RECOVERY PLAN FOR VIRTUAL LEARNING INSTITUTION.

THE 3RD INTERNATIONAL CONFERENCE ON DISASTER MANAGEMENT: STRENGTHENING THE NATIONAL SECURITY CAPABILITIES.

2002 PROCEEDING NON-INDEX MAIN AUTHOR

50. THE SECURITY OF VIRTUAL LEARNING ENVIRONMENT

THE INTERNATIONAL JOURNAL OF LEARNING - LEARNING FOR THE FUTURE

2001 JOURNAL WOS MAIN AUTHOR

51. THE SECURITY OF VIRTUAL LEARNING ENVIRONMENT.

THE EIGHTH INTERNATIONAL LITERACY AND EDUCATION RESEARCH NETWORK CONFERENCE ON LEARNING.

2001 PROCEEDING NON-INDEX MAIN AUTHOR

52. MANUAL CAD FOR TECHNICAL AND VOCATIONAL SCHOOLS IN MALAYSIA.

PROCEEDING OF THE INTERNATIONAL CONFERENCE ON TEACHING AND LEARNING. P

1999 PROCEEDING NON-INDEX MAIN AUTHOR

CONSULTATION

1. PANEL PEMBANGUNAN MODUL THE DIGITAL LEADERSHIP ACTION TRAINING (DELAT)

AKEPT

2016

NATIONAL

2. PEMBANGUNAN MODUL JURULATIH (ICT)

JLKN

2015

NATIONAL

3. PEMBANGUNAN E-KAFA

JAKIM

2015

NATIONAL

4. RUNDINGCARA DASAR PEMBANGUNAN SISTEM APLIKASI BAGI PUSAT TEKNOLOGI MAKLUMAT (PTM) USIM INFORMATION SYSTEM AND SECURITY UNIT (I-SERU)

2013

UNIVERSITY

5. PROGRAM KEBOLEHPASARAN GRADUAN FASA 1: SECURE ICT FOR MUSLIM PROFESSIONAL DEVELOPMENT

KPM

2013

UNIVERSITY

AWARDS/RECOGNITION

1. INTEGRATED OUTCOME-BASED EDUCATION (IOBE)

KONVENSYEN KUMPULAN INOVATIF DAN KREATIF (KIK) PERINGKAT UNIVERSITI AWAN KALI KE-17 TAHUN 2024

2024

KEBANGSAAN

GOLD

2. COLLABCODE: COLLABORATIVE CODING PLATFORM

INNOVATION IN TEACHING & LEARNING EXPO (UPNM- InTeLeX) 2024

2024

KEBANGSAAN

GOLD

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

International Teaching Enhancement & Learning Innovation Carnival 2024

2024

ANTARABANGSA

BRONZE

4. INTEGRATED OUTCOME-BASED EDUCATION (IOBE)

KONVENSYEN KUMPULAN INOVATIF DAN KREATIF (KIK) PERINGKAT UNIVERSITI AWAN KALI KE-17 TAHUN 2024

2024

KEBANGSAAN

BRONZE

5. 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