

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

	COMPLETED	ONGOING
PhD	11	1
Master	6	0

AREAS OF EXPERTISE

- Digital Security Management And Governance
- Information System Security
- E-learning (including Computer Assisted Instruction (cai) And Computer Based Training)

ACADEMIC QUALIFICATION

- 2012 **PhD** - Teknologi Maklumat
- 2000 **Master** - Teknologi Maklumat
- 1998 **Bachelor** - Teknologi Maklumat

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 DEVELPMENT**
   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. 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

2. DIGITAL CERTIFICATE-BASED AUTHENTICATION MODEL FOR ENHANCED SMARTPHONE SECURITY

JOURNAL OF COMPUTING RESEARCH AND INNOVATION (JCRINN)

2025 JOURNAL OTHER DATABASE MAIN AUTHOR

3. 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

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

JOURNAL OF COMPUTING RESEARCH AND INNOVATION (JCRINN)

2025 JOURNAL MYCITE MAIN AUTHOR

5. SAKTI�: SECURED CHATTING TOOL THROUGH FORWARD SECRECY

JOURNAL OF ADVANCE RESEARCH IN APPLIED SCIENCES AND ENGINEERING TECHNOLOGY

2024 JOURNAL OTHER DATABASE MAIN AUTHOR

6. 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

7. 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

8. 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

9. ASSESSING FEATURES FOR MALAYSIAN UNIVERSITIES EXPERT DIRECTORY

2ND INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY

2024 PROCEEDING NON-INDEX MAIN AUTHOR

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

INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY (ICETS)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

11. CRYPTOLEARN: AI-DRIVEN ADAPTIVE CRYPTOGRAPHY LEARNING

INTERNATIONAL SEMINAR ON ISLAM AND SCIENCE (SAIS 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

12. DIGITAL CERTIFICATE-BASED AUTHENTICATION MODEL FOR ENHANCED SMARTPHONE SECURITY

SYMPOSIUM ON COMPUTER SCIENCE AND MATHEMATICS (SCOMATICS 2024)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

13. 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

14. DISASTERPREP: DISASTER PREPAREDNESS AND RESILIENCE THROUGH A MOBILE EDUTAINMENT

INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND SUSTAINABILITY (ICETS)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

15. SWINDLERT&#65533;: 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

16. 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

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

ACADEMIA PRESS SOLUTIONS (APS) PROCEEDINGS VOLUME 6

2023 PROCEEDING NON-INDEX MAIN AUTHOR

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

EDUCATION DURING THE PANDEMIC

2023 CHAPTER IN BOOK MAIN AUTHOR

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

2023 POLICY

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

2023 POLICY

21. ENHANCING CYBER-ATTACKS AWARENESS VIA MOBILE GAMIFICATION TECHNIQUES

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN TECHNOLOGY AND INNOVATION

2022 JOURNAL OTHER DATABASE MAIN AUTHOR

22. PENIPUAN DALAM TALIAN: SIAPA MANGSA DAN SIAPA PENYUMBANG

JENAYAH SIBER DI MALAYSIA: IMPAK LELUASA INTERNET

2022 CHAPTER IN BOOK MAIN AUTHOR

PUBLICATION

23. 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

24. GARIS PANDUAN PENTAKSIRAN DAN PENILAIAN (SEMAKAN 2022)

2022 | POLICY

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

2022 | POLICY

26. CYBERLAW MOOC

2020 | BOOK | MAIN AUTHOR

27. SUCCESSFUL FACTORS FOR TEACHING AND LEARNING USING MOBILE APPLICATIONS7

INTERNATIONAL JOURNAL OF INNOVATION, CREATIVITY AND CHANGE

2019 | JOURNAL | ERA | MAIN AUTHOR

28. SUCCESSFUL FACTORS FOR TEACHING AND E LEARNING USING MOBILE APPLICATION.

INTERNATIONAL CONFERENCE ON BUSINESS ECONOMY SOCIAL & TECHNOLOGY 2019

2019 | PROCEEDING | NON-INDEX | MAIN AUTHOR

29. DIGITAL EDUCATION LEADERSHIP ACTION TRAINING (DELAT).

2018 | BOOK | MAIN AUTHOR

30. GARIS PANDUAN E PEMBELAJARAN USIM

2018 | POLICY

31. MOBILE LEARNING -CYBERLAW COURSE, THE APPLICATION DEVELOPMENT AND STUDENTS PERCEPTIONS

PAN COMMONWEALTHFORUM 8 (PCF8) 2016

2016 | PROCEEDING | NON-INDEX | MAIN AUTHOR

32. HOLISTIC SELF-INSTRUCTIONAL LEARNING MODULE TEMPLATE

PAN-COMMONWEALTH FORUM ON OPEN LEARNING PCF8

2016 | PROCEEDING | NON-INDEX | MAIN AUTHOR

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

2016 | BOOK | MAIN AUTHOR

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

ARPN JOURNAL OF ENGINEERING AND APPLIED SCIENCES

2015 | JOURNAL | SCOPUS | MAIN AUTHOR

35. 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

PUBLICATION

36. 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

37. 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

38. BLENDED LEARNING OPEN ONLINE COURSE

INTERNATIONAL MULTI CONFERENCE ON EDUCATION TECHNOLOGY (IMCET) 2015

2015 PROCEEDING NON-INDEX MAIN AUTHOR

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

PROCEDIA - SOCIAL AND BEHAVIORAL SCIENCE

2014 JOURNAL OTHER DATABASE MAIN AUTHOR

40. 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

41. ONLINE BANKING AWARENESS MECHANISMS FOR SECURITY FRAUD ALERTS.

PIONEERING ISLAMIC SCIENCE, SPEARHEADING KNOWLEDGE

2014 CHAPTER IN BOOK MAIN AUTHOR

42. 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

43. 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

44. E-LEARNING AND INFORMATION SECURITY MANAGEMENT

INTERNATIONAL JOURNAL DIGITAL SOCIETY (IJDS)

2010 JOURNAL WOS MAIN AUTHOR

45. THREATS ANALYSIS FOR E-LEARNING

INTERNATIONAL, JOURNAL OF TECHNOLOGY ENHANCED LEARNING (IJTEL)

2010 JOURNAL WOS MAIN AUTHOR

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

2010 BOOK MAIN AUTHOR

PUBLICATION

47. INFORMATION SECURITY THREATS ANALYSIS FOR E-LEARNING

TECHNOLOGY ENHANCED LEARNING, QUALITY OF TEACHING AND EDUCATIONAL REFORM

2010 CHAPTER IN BOOK MAIN AUTHOR

48. INFORMATION SECURITY MANAGEMENT IN E-LEARNING

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

2009 PROCEEDING NON-INDEX MAIN AUTHOR

49. USERS PERSPECTIVE ON ICT INFRASTRUCTURE IN A HIGHER LEARNING INSTITUTION.

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

2008 PROCEEDING NON-INDEX MAIN AUTHOR

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

2007 BOOK MAIN AUTHOR

51. 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

52. 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

53. MALAYSIAN FATWA WEBSITES STUDIES.

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

2006 PROCEEDING NON-INDEX MAIN AUTHOR

54. 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

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

ASEAN REGIONAL SEMINAR ON FATWA MANAGEMENT.

2005 PROCEEDING NON-INDEX MAIN AUTHOR

56. 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

57. 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

PUBLICATION

58. THE SECURITY OF VIRTUAL LEARNING ENVIRONMENT

THE INTERNATIONAL JOURNAL OF LEARNING - LEARNING FOR THE FUTURE

2001 JOURNAL WOS MAIN AUTHOR

59. THE SECURITY OF VIRTUAL LEARNING ENVIRONMENT.

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

2001 PROCEEDING NON-INDEX MAIN AUTHOR

60. 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 PEMBANGUN 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. FINALIST KATEGORI PENGALAMAN PEMBELAJARAN IMERSIF BERSEMUKA, ANUGERAH KHAS YB MENTERI PENDIDIKAN TINGGI: REKABENTUK KURIKULUM DAN PENYAMPAIAN INOVATIF (AKRI)

2025 NATIONAL

2. ANUGERAH PENERBITANJURNAL BERINDEKSWOS/SCOPUS/MYCITE

2025 UNIVERSITY

AWARDS/RECOGNITION

3. ANUGERAH INOVASI

2025 OTHERS

4. ANUGERAH PENYELIA POPULAR

2025 OTHERS

5. ANUGERAH PENYELIA TERBILANG

2025 OTHERS