

Profile Image

## AREAS OF EXPERTISE

Digital Security Management And Governance

Information System Security

E-learning (including Computer Assisted Instruction (cai) And Computer Based Training)

## 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

**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,  
0

Master - Completed: 6,  
Ongoing: 0

# 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 PEMBANGUN MODUL THE DIGITAL LEADERSHIP ACTION TRAINING (DELAT)

AKEPT

2016 NATIONAL

## 2. PEMBANGUNAN MODUL JURULATHI (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