



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

PENSYARAH UNIVERSITI DS14

CONTACT

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Address: Fakulti Sains Dan
Teknologi

SUPERVISION

PhD - Completed: 11, Ongoing: 0

Master - Completed: 6, Ongoing: 0

AREAS OF EXPERTISE

Digital Security Management And Governance

Information System Security

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

BIOGRAPHY

A lecturer from Fakulti Sains Dan Teknologi. Holds a Phd in
Teknologi Maklumat.

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 ON GOING MAIN RESEARCHER

2. PEMBANGUNAN ENSIKLOPEDIA DIGITAL SOLAT

2017 COMPLETED MAIN RESEARCHER

3. A NEW INTEGRATED POSTGRADUATE STUDENT SYSTEMS DEVELOPMENT

2015 COMPLETED MAIN RESEARCHER

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

2015 COMPLETED MAIN RESEARCHER

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

2004 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

2026 JOURNAL

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

2025 JOURNAL

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

2025 JOURNAL

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

2025 JOURNAL

5. SAKTI?: SECURED CHATTING TOOL THROUGH FORWARD SECRECY

2024 JOURNAL

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

2024 JOURNAL

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

2024 PROCEEDING

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

2024 PROCEEDING

9. ASSESSING FEATURES FOR MALAYSIAN UNIVERSITIES EXPERT DIRECTORY

2024 PROCEEDING

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

2024 PROCEEDING

11. CRYPTOLEARN: AI-DRIVEN ADAPTIVE CRYPTOGRAPHY LEARNING

2024 PROCEEDING

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

2024 PROCEEDING

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

2024 PROCEEDING

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

2024 PROCEEDING

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

2024 PROCEEDING

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

2023 PROCEEDING

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

2023 PROCEEDING

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

2023 CHAPTER IN BOOK

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

2022 JOURNAL

22. PENIPUAN DALAM TALIAN: SIAPA MANGSA DAN SIAPA PENYUMBANG

2022 CHAPTER IN BOOK

23. ONLINE FRAUD: WHO ARE THE VICTIMS AND WHO ARE THE ENABLERS

2022 CHAPTER IN BOOK

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

27. SUCCESSFUL FACTORS FOR TEACHING AND LEARNING USING MOBILE APPLICATIONS7

2019 JOURNAL

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

2019 PROCEEDING

29. DIGITAL EDUCATION LEADERSHIP ACTION TRAINING (DELAT).

2018 BOOK

30. GARIS PANDUAN E PEMBELAJARAN USIM

2018 POLICY

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

2016 PROCEEDING

32. HOLISTIC SELF-INSTRUCTIONAL LEARNING MODULE TEMPLATE

2016 PROCEEDING

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

2016 BOOK

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

2015 JOURNAL

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

2015 PROCEEDING

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

2015 PROCEEDING

37. CORRELATED TOPOLOGY CONTROL ALGORITHM FOR SURVIVAL NETWORK IN MANETS

2015 PROCEEDING

38. BLENDED LEARNING OPEN ONLINE COURSE

2015 PROCEEDING

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

2014 JOURNAL

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

2014 PROCEEDING

41. ONLINE BANKING AWARENESS MECHANISMS FOR SECURITY FRAUD ALERTS.

2014 CHAPTER IN BOOK

42. CULTURAL VIEWS INCLUSIVE IN E-LEARNING RISK ANALYSIS

2012 PROCEEDING

43. A STUDY ON ICT IN FATWA MANAGEMENT IN MALAYSIA

2011 JOURNAL

44. E-LEARNING AND INFORMATION SECURITY MANAGEMENT

2010 JOURNAL

45. THREATS ANALYSIS FOR E-LEARNING

2010 JOURNAL

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

2010 BOOK

47. INFORMATION SECURITY THREATS ANALYSIS FOR E-LEARNING

2010 CHAPTER IN BOOK

48. INFORMATION SECURITY MANAGEMENT IN E-LEARNING

2009 PROCEEDING

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

2008 PROCEEDING

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

2007 BOOK

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

2006 PROCEEDING

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

2006 PROCEEDING

53. MALAYSIAN FATWA WEBSITES STUDIES.

2006 PROCEEDING

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

2005 PROCEEDING

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

2005 PROCEEDING

56. CONTINGENCY PLAN AND SOLUTIONS FOR INTERNET PROGRAMMING SECURITY.

2003 PROCEEDING

57. DISASTER RECOVERY PLAN FOR VIRTUAL LEARNING INSTITUTION.

2002 PROCEEDING

58. THE SECURITY OF VIRTUAL LEARNING ENVIRONMENT

2001 JOURNAL

59. THE SECURITY OF VIRTUAL LEARNING ENVIRONMENT.

2001 PROCEEDING

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

1999 PROCEEDING

CONSULTATION/ADULATION

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

2016 NATIONAL AKEPT

2. PEMBANGUNAN MODUL JURULATIH (ICT)

2015 NATIONAL JLKN

3. PEMBANGUNAN E-KAFA

2015 NATIONAL JAKIM

4. RUNDINGCARA DASAR PEMBANGUNAN SISTEM APLIKASI BAGI PUSAT TEKNOLOGI MAKLUMAT (PTM) USIM

2013 UNIVERSITY INFORMATION SYSTEM AND SECURITY UNIT (I-SERU)

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

2013 UNIVERSITY KPM

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 PENERBITAN JURNAL BERINDEKS WOS/SCOPUS/MYCITE

2025

UNIVERSITY

3. ANUGERAH INOVASI

2025

OTHERS

4. ANUGERAH PENYELIA POPULAR

2025

OTHERS

5. ANUGERAH PENYELIA TERBILANG

2025

OTHERS