



## TS. MUHAMAD ADHAM HAMBALI

Department of Computing  
Faculty of Creative Multimedia and Computing

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➔ [Google Scholar](#)

### ACADEMIC QUALIFICATIONS

- Master of Software Engineering (2024), Universiti Malaya (UM)
- Bachelor of Information Technology (Network Technology) (2011), Kolej Universiti Islam Antarabangsa Selangor (KUIS)
- Diploma in Information Technology (2007), Kolej Universiti Islam Antarabangsa Selangor (KUIS)
- TOT MPU-Kursus Integriti dan Antirasuah 2024

### WORK EXPERIENCE

#### Academic Roles:

- Pensyarah Muda UIS (April 2018 – Present)
- Pensyarah Sambilan, UIS (December 2017 – April 2018)

#### Industry Roles:

- Software Engineer, Standard Chartered GBS (M) Sdn Bhd (September 2011 – March 2018)
- IT Executive, Diversified System Sales and Services (April 2007 – September 2008)

### ADMINISTRATIVE DUTIES

- Head of Student Admission Section, Marketing Department, UIS (April 2025 – Present)
- Acting Head of Student Admission Section, Marketing Department, UIS (August 2024 – Mac 2025)
- Head of International Marketing Section, Marketing Department, UIS (February 2024 – Jun 2025)
- Deputy Dean of Student Affairs and Alumni, Centre of Core Studies, KUIS (February 2023 – December 2023)
- Coordinator, Open Distance Learning (ODL), Learning Centre, KUIS (2021 – 2023)
- Head of Promotion Committee, Centre of Core Studies, KUIS (2019 – 2021)

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## TEACHING EXPERIENCE

Courses Taught:

- NDWU 1042: Introduction to Information Technology (Diploma Level)
- NBWU 1072: Information Technology in Human Life (Bachelor Level)
- TBTM3083: System Analysis and Design (Bachelor Level)

Teaching by Semester:

- 2017/2018 – 2025/2026: Various semesters teaching NDWU 1042 and NBWU 1072
- 2025/2026 – TBTM3083

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## RESEARCH EXPERIENCE

Current and Past Projects:

- Development of Cashless Payment Application Model in Schools (2020–2021) - Funding: KUIS Research Grant (GPIK), RM 5,500
  - Development of Mobile eKinayah Application for Understanding Quranic Texts in Malay (2022–2023) - Funding: KUIS Research Grant (GPIK), RM 20,000
  - Master's Dissertation - A Framework of Prioritizing Software Project Based on Source Code Using Grey Relational Analysis Ranking
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## PUBLICATIONS

1. M.A. Hambali, "Ulasan Buku Online Dengan Tuhan," *\*Jauhar\**, Vol. 2(2), 6, 2018.
  2. M.A. Hambali, A.N. Zainal Arifin, "Software Testing: A Discussion," *\*NPREUS ASASI KUIS\**, 2018.
  3. M.A. Hambali, A.N. Zainal Arifin, "Refleksi Terhadap Pengujian Regresi Untuk Mainframe Dalam Transformasi Metodologi Scrum Agile Dari Metodologi Waterfall," *\*PASAK KUIS 2018\**, 2018.
  4. M.A. Hambali, A.N.Z.A., "Agile Methodology: Reflection from Testing Side," *\*4th PASAK 2019\**, 93-106, 2019.
  5. M.A. Hambali, A.N.Z. Arifin, "Software Testing Challenges in Machine Learning Application," *\*PASAK KUIS 2020\**, 2020.
  6. M.A. Hambali, A.N.Z.A., "Kepentingan Pengujian Dan Penyelenggaraan Perisian," *\*6th PASAK 2021\**, Vol. 6, 830-835, 2021.
  7. M.F.M. Zahari, S. Ahmad, M.A. Hambali, "The Effects of Covid-19 Pandemic and Cashless Society," *\*5th NPreUS 2021\**, Vol. 5, 136-140, 2021.
  8. M.A. Hambali, M.F.M. Zahari, S. Ahmad, "A Systematic Literature Review of The Techniques and Issues on Cashless Payment," *\*8th IRMIC 2021\**, 232-241, 2021.
  9. M.A. Hambali, M.F.M. Zahari, S. Ahmad, M.I.M. Pisol, "A Systematic Literature Review of The Techniques and Issues on Cashless Payment," *\*PASAK KUIS 2021\**, 2021.
  10. M.A. Hambali, A.N.Z. Arifin, "A Systematic Literature Review on Applying Multi-Criteria Decision Making (MCDM) In Software Architecture," *\*PASAK KUIS 2022\**, 2022.
  11. Bab dalam buku - Bab 13: *\*Keperluan Penggunaan Teknologi dalam Pembelajaran Kinayah\** (pp. 229-245), Nasimah Abdullah, Saifullah Samsudin, Lubna Abd Rahman, Ahmad Nazeer Zainal Arifin, Muhamad Adham Hambali. Dalam *\*Teknologi dan Pendidikan dalam Pembangunan Manusia\** (2022). ISBN: 978-967-1953-93-8
  12. N. Abdullah, S. Samsudin, L.A. Rahman, A.N.Z. Arifin, M.A. Hambali, "Persepsi Pelajar Pengajian Bahasa Arab Terhadap Pembelajaran Dan Pengajaran Balaghah Menggunakan Pendekatan Teknologi," *\*e-Jurnal Penyelidikan dan Inovasi\**, 75-90, 2023.
  13. M.F.M. Zahari, S. Ahmad, M.A. Hambali, M.I.M. Pisol, "The Effects of Covid-19 Pandemic and Cashless Society," *\*e-Jurnal Penyelidikan dan Inovasi\**, 2023.
  14. N. Abdullah, S. Samsudin, L.A. Rahman, A.N.Z. Arifin, M.A. Hambali, "Analisis Keperluan Pelajar Terhadap Penggunaan Teknologi Dalam Memahami Terjemahan Kinayah Al-Quran Kepada Bahasa Melayu," *\*e-Jurnal Penyelidikan dan Inovasi\**, Vol. 10(2), 65-84, 2023.
  15. M.A. Hambali, "Sira: An Energy-Efficiency and Technical Debt Oriented Process For Software Architecture Reconstruction," *\*Jauhar\**, Vol. 9(2), 27-33, 2025.
  16. Abdullah, N., Samsudin, S., Abd. Rahman, L., Zainal Arifin, A. N., & Hambali, M. A. (2025). *\*Kaji Selidik Rekabentuk dan Pembangunan Prototaip E-Kinayah Dalam Memahami Teks Terjemahan Al-Quran Kepada Bahasa Melayu: Survey On The Design And Development Of The E-Kinayah Prototype In Understanding Quranic Translation Texts Into Malay.\** *\*E-Jurnal Penyelidikan dan Inovasi\**, 12(3), 46–62.
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## CONFERENCE PRESENTATION

1. "Refleksi Terhadap Pengujian Regresi Untuk Mainframe Dalam Transformasi Metodologi Scrum Agile Dari Metodologi Waterfall," Persidangan Sains Sosial dan Kemanusiaan, KUIS, 2018.
2. "Software Testing: A Discussion," National Pre-University Seminar (NPUEUS), 2018.
3. "Agile Methodology: Reflection from Testing Side," Persidangan Sains Sosial dan Kemanusiaan, KUIS, 2019.
4. "Software Testing Challenges in Machine Learning Application," Persidangan Sains Sosial dan Kemanusiaan, KUIS, 2020.
5. "Kepentingan Pengujian Dan Penyelenggaraan Perisian," Persidangan Sains Sosial dan Kemanusiaan, KUIS, 2021.
6. A Systematic Literature Review on Applying Multi-Criteria Decision Making (MCDM) in Software Architecture", Persidangan Sains Sosial dan Kemanusiaan, KUIS, 2022
7. "Pengutamaan Kes Ujian dengan Kaedah Wajaran berdasarkan Graf Aliran Pergantungan" Persidangan Sains Sosial dan Kemanusiaan, KUIS, 2023.
8. "Kesan Kecerdasan Buatan ke atas Hubungan Sosial: Satu Analisis", Persidangan Sains Sosial dan Kemanusiaan, UIS, 2024.

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## AWARDS AND RECOGNITION

- KUIS Excellent Service Award (2020)

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## PROFESSIONAL AFFILIATIONS

- Active Member, Malaysia Board of Technology (MBOT) (2021 – Present)
    - Graduate Technologist No. Perakuan GT21010551
    - Professional Technologist No. Perakuan PT21070119
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