



DR. MUHAMMAD HUSNI BIN MOHD. AMIN

EXECUTIVE SUMMARY

Dr. Muhammad Husni bin Mohd. Amin is currently Research Fellow at the Centre for Science and Environment Studies (KIAS), Institute of Islamic Understanding Malaysia (IKIM).

He obtained his Bachelor's degree in Mechanical Engineering (Hons.) from Universiti Tenaga Nasional (UNITEN) in 2008, after which he worked as project engineer in the telecommunications industry from 2007 to 2010. From 2012 to 2015, he was Lecturer at the Selangor International Islamic University College (KUIS), teaching philosophy, ethics, and civilization. In 2015, he was awarded Master of Philosophy (M.Phil.) degree in Islamic Thought and Civilisation, from the Centre for Advanced Studies on Islam, Science and Civilization (CASIS), University of Technology Malaysia (UTM). In 2016, he joined IKIM as Senior Research Officer.

In 2021, he was awarded Doctor of Philosophy (Ph.D.) degree in Islamic Thought and Civilisation from the same Centre (now Raja Zarith Sofiah Centre for Advanced Studies on Islam, Science and Civilization, RZS-CASIS). In 2022, he was promoted to Research Fellow at IKIM.

He has co-edited and published two books, namely: (1) *Science for Sustainable Development: Islamic and Interfaith Perspectives* (Penerbit IKIM, 2016) and (2) *Mikroalga Transgenik: Isu dan Pandangan Islami* (Penerbit IKIM, 2021); and written and published three academic journal articles, namely (1) "The Dominion of the Scholars: A Preliminary Look into Islām's Civilisational Contribution in the Pre-Modern Region of Khurāsān" in *TAFHIM: IKIM Journal of Islam and the Contemporary World* Vol. 13 No. 1 (2020), (2) "Worldview, Strategy, and Strategic Principles in Three Muslim Military Treatises" in *TAFHIM: IKIM Journal of Islam and the Contemporary World* Vol. 16 No. 2 (2023), and (3) "Solidification of Worldview, Liberation Strategy and Revival of Sunnism Leading to the 12th Century A.D. / 6th Century A.H. Muslim Liberation of Jerusalem" in *Afkar: Jurnal Akidah & Pemikiran Islam* Vol. 26 No. 1 (2024).

Apart from 39 newspaper article contributions and 13 academic seminar paper presentations (local and international), he has been contributing as invited speaker on local radio stations and international podcasts, appearing regularly on Radio IKIM's talk shows *Agama dan Peradaban* (Religion and Civilization) (2016–2020), *Islam in 15 Lives* (2020–2021), and *Man and Nature* (2022–now) to talk on subjects of Philosophy, Islamic Thought,

Ethics, History, and Civilization. He has appeared on Radio IKIM programme *Great Works of the Muslim World*, as guest and host, for four seasons spanning 51 episodes (2021–now).

FIELD OF EXPERTISE & CONCENTRATION

- Islamic Thought and Civilisation
- Military History and Strategy

LANGUAGES

- Malay
- English
- Arabic

EDUCATION

Doctor of Philosophy (Ph.D., Islamic Thought and Civilisation) 2015–2022

Raja Zarith Sofiah Centre for Advanced Studies on Islam, Science and Civilisation (RZS-CASIS), University of Technology Malaysia (UTM)

CGPA 3.67

Thesis: *‘Alī ibn Abī Bakr al-Harawī and his Treatise on Military Strategy*

- This is a study on Islamic thought, philosophy, history, and civilization, focusing on 13th century thinker and scholar ‘Alī ibn Abī Bakr al-Harawī (d. 1215) and his treatise entitled *Kitāb al-Tadbkirah al-Harawīyyah fī l-Ḥiyal al-Ḥarbiyyah* (Al-Harawī’s Counsel on Military Stratagems). This thesis includes a critical edition of the Arabic text as well as translation, annotation, and commentary.

Major courses taken:

- Philosophy of Science and Civilisation
- Research Methodology
- Worldview and Epistemic Frameworks
- Islamic Political Thoughts and Institutions
- Islam and World History

Master of Philosophy (M.Phil., Islamic Thought and Civilisation) 2012–2015

Centre for Advanced Studies on Islam, Science and Civilisation (CASIS), University of Technology Malaysia (UTM)

CGPA 4.00

Thesis: *Some Aspects in Banū Mūsā’s Philosophy of Technology with Special Reference to their Kitāb al-Ḥiyal*

- This is a study on Islamic thought, philosophy, history, and civilization, focusing on 9th century a group of thinkers and scholars called Banū Mūsā (d. 873) and their book *Kitāb al-Ḥiyal* (the Book of Ingenious Mechanical Devices).

Major courses taken:

- Philosophy of Science and Civilisation
- Worldview and Epistemic Frameworks
- Islamic Political Thoughts and Institutions
- Islamic Studies 1: Qur’an and Hadith: Principles, Methodology and Contemporary Challenges
- Islamic Studies 2: Shari‘ah in Contemporary Societies
- Research Methodology
- Decolonization and Islamisation of Contemporary Knowledge
- Arabic Language Level 1
- Islam and World History
- Arabic Language Level 2
- Reading in Classical Texts
- Arabic Language Level 3

Bachelor of Mechanical Engineering (B.Mech., Hons.)

2003–2008

College of Engineering (CoE),
Universiti Tenaga Nasional (UNITEN)
CGPA 2.23

Thesis: *The Design of Heatwave Resistant Habitat.*

- The study with self-explanatory title experiments the use of fibreglass in part of its construction materials.

Relevant compulsory & elective courses taken:

- | | |
|-------------------------------------|------------------------|
| ▪ Automation and Robotics | ▪ Comparative Religion |
| ▪ Mechanical Design & CAE | ▪ Islamic Studies |
| ▪ Turbomachinery | ▪ Engineers in Society |
| ▪ Production, Planning, and Control | |

WORK EXPERIENCE & ACHIEVEMENTS

2016–now

Institute of Islamic Understanding Malaysia (IKIM)

Research Fellow DQ52 (2024–now)

Research Fellow DQ48 (2022–2023)

Senior Research Officer DQ44 (2016–2022)

- Reviewed and copy-edited manuscripts for Penerbit IKIM
- Contributed as guest speaker and host on Radio IKIM talk shows
- Contributed articles in local newspapers on issues spanning history, philosophy of science and technology, geopolitics, and civilisation
- Coordinated and edited journal articles as secretariat member (2016–2021); coordinated, reviewed, and edited journal articles as editorial board member (2021–now) of *TAFHIM: IKIM Journal of Islam and the Contemporary World*, which is IKIM's peer-reviewed journal indexed under Malaysian Citation Index (MyCite).
- Attended and presented papers in seminars, conferences and talks centred on current geopolitical, science, technology, environment, and civilisation issues
- Represented IKIM at international conferences
- Carried out audits as part of IKIM internal audit team
- On-going and completed research:
 - Artificial Intelligence: Ethical Framework from an Islamic Perspective (2023–ongoing)
 - Worldview of Islam for Living & Leading: Praiseworthy Leadership (2021–ongoing) (philosophy and leadership ethics research)
 - Pembekuan Sel Sperma dan Telur daripada Individu belum berkahwin atas sebab perubatan menurut perspektif Islam (2021–2022) (contributed philosophy and ethics inputs)
 - Pembangunan Modul Integrasi Islam dan Sains dalam Pengajaran dan Pembelajaran (2020–2021)
 - Worldview of Islam for Living & Leading: Thinking with Wisdom (2019–2021) (philosophy and Islamic thought research)
 - Fiqh Akbar: The Cosmos in the Theology of Sunnite Muslims: A Survey of Its Conception and Conceptualisation in Several Arabic and Malay Theological Corpora (2016–2018) (philosophy and theology research)

- Tinjauan Etika Kepimpinan dalam Tradisi Ketenteraan Islam (2016–2018) (philosophy and leadership ethics research)
- Thinking, Lifestyle, and Attitude Framework of University Students (as external researcher for research at CASIS UTM under Ministry of Higher Education research grant amounting RM800K, 2016–2017)

2012–2015

Selangor International Islamic University College (KUIS)

Lecturer DS41

- Taught philosophy, civilisation, and ethics studies to undergraduates:
 - MPU 3232 Falsafah dan Pemikiran Islam (Philosophy and Islamic Thought)
 - MPU 2352 Tasawwur Islam (Islamic Worldview)
 - MPU 3123 Tamadun Islam & Tamadun Asia (Civilisations of Islam and Asia, TITAS)
 - NBWU 2152 Al-Tarikh al-Islami (History of Islam)
 - NWBU 1072/MPU3252 Teknologi Maklumat dalam Kehidupan Insan (Information Technology in Human Lives)
- Prepared course syllabus for new subjects (as mentioned above)
- Trained teachers for secondary school under KUIS-feeder programme
- Developed pre-university subjects in Islamic intellectual tradition:
 - Islam and Science
 - Ta‘lim & Muta‘allim (Instruction to the Student: Method of Learning)
 - Map of Knowledge

2010–2012

Ossa Ventures Sdn Bhd

Project Coordinator

2007–2010

Xair Communication Sdn Bhd

Project Engineer & Human Resource Provisioning Executive

2002–2003

Akademi Aidit Sdn Bhd

Secretarial & Administrative Assistant

WRITINGS & PUBLICATIONS

Listed writings and publications are ordered from most recent to oldest and on topics of Philosophy, Islamic Thought, Ethics, History, and Civilisation.

Books

1. *Falsafah Sains*, co-authored with Muhammad Ikhwan Azlan and Ahmad Yani Ismail, Penerbit KUIS, Kajang, 2022
2. *Mikroalga Transgenik: Isu dan Pandangan Islami*, co-edited with Shaikh Mohd. Saifuddeen Shaikh Mohd. Salleh, Penerbit IKIM, Kuala Lumpur, 2021
3. *Science for Sustainability: Islamic and Interfaith Perspectives*, co-edited with Azrina Sobian, Penerbit IKIM, Kuala Lumpur, 2017

Chapter in book

1. “Automation and the Good Work”, *Thinking Framework*, RZS-CASIS, Kuala Lumpur, 2020
2. “Bab 4: Pertahankan Nyawa dengan Ilmu”, *Islam & Wabak: Pengajaran daripada COVID-19*, Penerbit IKIM, Kuala Lumpur, 2020
3. “Chapter 3: Knowledge Keeps Us Alive during Catastrophes”, *Islam & Pandemics: Lessons from COVID-19*, Penerbit IKIM, Kuala Lumpur, 2020

Journal articles

1. “Solidification of Worldview, Liberation Strategy and Revival of Sunnism Leading to the 12th Century A.D. / 6th Century A.H. Muslim Liberation of Jerusalem,” *Afkar: Jurnal Akidah & Pemikiran Islam* Vol. 26 No. 1 (2024), peer-reviewed Q1 journal of the Department of ‘Aqidah and Islamic Thought, Academy of Islamic Studies, Universiti Malaya, indexed by Elsevier’s Scopus, Asian Citation Index (ACI), and Malaysian Citation Index (MyCite)
2. “Worldview, Strategy, and Strategic Principles in Three Muslim Military Treatises,” *TAFHIM: IKIM Journal of Islam and the Contemporary World* Vol. 16 No. 2 (2023), IKIM’s peer-reviewed journal indexed under Malaysian Citation Index (MyCite)
3. “The Dominion of the Scholars: A Preliminary Look into Islām’s Civilisational Contribution in the Pre-Modern Region of Khurāsān”, *TAFHIM: IKIM Journal of Islam and the Contemporary World* Vol. 13 No. 1 (2020), IKIM’s peer-reviewed journal indexed under Malaysian Citation Index (MyCite)

Working papers & academic presentations

1. *Tadbir Tiga Tabap* (presented at Taklimat Pengukuhan Integriti khusus untuk warga IKMa, organised by Institut Koperasi Malaysia (IKMa), 20.5.2024)
2. *A Multi-Perspectival Approach on Building an Islamic Ethical Framework for Artificial Intelligence* (presented at International Seminar on Intercultural Dynamics in South-East Asia: “Current State, Opportunities and Future Perspectives,” organised by the International Islamic University Malaysia (IIUM) and the Organization of Islamic Cooperation (OIC), 23.4.2024)
3. *Statecraft Wisdom from Islamic Civilisation: Key Terms from 3 Muslim Military Treatises* (presented at the International Symposium “Wisdom from Islamic Civilisation on Developing a Nation” co-organised by IKIM and the Center of Islamic Civilization in Uzbekistan, 13.11.2023)
4. *Bayt al-Hikmah as Model for a Scholar’s Library* (presented at the international conference “The Center of Islamic Civilization in Uzbekistan: A Crucial Link in Promoting the World Islamic Heritage,” organised by the Center of Islamic Civilization in Uzbekistan, 30.5.2023)
5. *The Strategic Mind: Gleaning Wisdom from the Muslim Manuals of Warfare* (presented in 3-Day Course on Thinking with Wisdom organised by IKIM, 17.11.2022)
6. *Hakikat Insan dan Kebahagiaan* (presented in Kursus Pandangan Alam Islam (WISE) organised by Himpunan Keilmuan Muslim (HAKIM) (4.12.2021))
7. *Imam al-Bukhari’s influence in water conservation practices among Muslims* (presented in International online conference on “Ancient And Rare Manuscripts Of The «Sahih Al-Bukhari» In World Libraries” (15.7.2021))
8. *Sorotan ringkas integrasi sains dalam sejarah ketamadunan Islām* (presented in Webinar Siri 2 “Sejarah Islamisasi Ilmu Sains di Malaysia” organised by IKIM (17.2.2021))
9. *Gladiuses and Scimitars: Tracing the Roots of the early Crusades Part 2: Brief History of Confrontation between Muslims and Crusaders* (presented in online seminar organised by Hikma Fellowship, 21.4.2020)

10. *Gladiuses and Scimitars: Tracing the Roots of the early Crusades Part 1: Genesis of Western Philosophy of War and Strategy* (presented in online seminar organised by Hikma Fellowship, 14.4.2020)
11. *Inspiration from the past: How does history relate to the current or any pandemic situation?* (presented in online seminar organised by Hikma Fellowship, 27.3.2020)
12. *Kepentingan Etika dalam Islam* (presented in Bengkel Islam dan Amalan Penyelidikan Beretika organised by IKIM, 6.11.2019)
13. *Automation and the Good Work: Should AI be allowed to replace jobs?* (presented in ICORS Round Table Discussion on the Ethics of Artificial Intelligence organised by IKIM, 20.2.2019)

Selected academic writings

1. *The Children of Ibrāhīm: the Banū Isrā'īl and their different treatment under Christian and Muslim polities in history*, Kuala Lumpur: Balai Seni Visual Negara, 2014
2. *Excerpt from Mafatih al-'ulūm of al-Khwarizmi al-Katib: A Translation*, unpublished 2013
3. *Preliminary study on Banū Mūsā's philosophy of technology with special reference to their Kitāb al-Hiyal*, conference proceeding at UTM graduate seminar, 2013
4. *Biography of Banū Mūsā*, unpublished, 2014
5. *Religion as the foundation of science and technology: A historiographical survey*, conference proceeding at UTM graduate seminar, 2012

Newspaper column articles

1. *Karya seni AI dari sudut Islam, benar atau palsu?* (Utusan Malaysia, 27.5.2024)
2. *Bagaimanakah Generasi Salahuddin Membebaskan Palestin?* (Majalah Dewan Tamadun Islam, 2.4.2024)
3. *Hijrah dan Pembinaan Tamadun* (MDTI, 2.8.2023)
4. *For continuous peace, always prepare for possibility of war* (New Straits Times, 18.11.2022)
5. *Recognising the sacrifices and vital role of our security forces and soldiers* (NST, 26.8.2022)
6. *Avoid Those who Stir Up Conflicts* (NST, 25.8.2022)
7. *Restoring Peace the Ultimate Aim of Liberation* (NST, 23.4.2022)
8. *Environmental Balance Key in the Age of Anthropocene* (NST, 31.12.2021)
9. *Air Superiority Key to Regional Stability* (NST, 24.12.2021)
10. *AI sebagai alat menempuh jalan sukar* (Berita Harian, 27.10.2021)
11. *AI boleh cetus kezaliman* (Utusan Malaysia, 19.10.2021)
12. *Artificial Intelligence and The Good Work* (NST, 15.10.2021)
13. *Air Sebagai Penyelamat Dari Perang Dan Bencana* (BH, 11.6.2021)
14. *Treating the pandemic of disease, discord* (NST, 27.9.2020)
15. *Khurasan, an example of civilisational development* (NST, 17.7.2020)
16. *Disruptive Technology: An Islamic Perspective* (NST, 14.11.2019)
17. *Raikan Raja dengan Ilmu* (Utusan Malaysia, 13.8.2019)
18. *Celebrating the Virtues of Kingship* (NST, 31.7.2019)
19. *Jentera dan Pandangan Alam* (Sinar Harian, 8.5.2019)
20. *Islam meraikan evolusi teknologi* (BH, 12.4.2019)
21. *Civilisation and the Divine Tools of Man* (NST, 21.1.2019)
22. *Pemimpin Cerminan kepada Rakyat* (BH, 4.1.2019)
23. *Let knowledge of Islam be foundation of living* (NST, 13.12.2018)
24. *Akhlak dan etika dalam Pendidikan* (BH, 19.10.2018)
25. *A Lesson in a History of Technology* (Bernama, 12.9.2018)
26. *Transhumanisme dan Kehidupan Abadi* (UM, 13.8.2018)

27. *Cabaran Evolusi Teknologi Kewangan* (SH, 6.6.2018)
28. *A Lesson in a History of Money* (IKIM Web, 1.5.2018)
29. *Tentang Revolusi Industri Keempat* (UM, 26.3.2018)
30. *On Knowledge and Statecraft* (The Star, 23.1.2018)
31. *Transhumanism and the Better Life* (TS, 19.12.2017)
32. *Concern over Fourth Industrial Revolution* (TS, 7.11.2017)
33. *Let Knowledge Guide Rulers and Warriors* (TS, 29.8.2017)
34. *Keperwiraan dan Kepahlawanan* (UM, 31.7.2017)
35. *Automation and the Good Work* (TS, 16.2.2017)
36. *Automasi dan kehilangan makna diri* (SH, 25.1.2017)
37. *STEM dan akar umbinya* (SH, 30.12.2016)
38. *Menangani Cabaran Peradaban Teknologi* (UM, 30.12.2016)
39. *The Importance of Civilisational 'Rihlah'* (TS, 11.10.2016)