

LUKMAN HAKIM BIN MAHAMOD



- KULLIYAH OF ARCHITECTURE AND ENVIRONMENTAL DESIGN
- IIUM Gombak Campus
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ACADEMIC QUALIFICATION

- Doctor of Philosophy
- Planning
- Urban & Regional Planning

TEACHING RESPONSIBILITIES

FINAL YEAR PROJECT	2016/2017 2017/2018
HALAQAH 2 (BROTHER)	2003/2004
INTRODUCTION TO URBAN & REGIONAL PLANNING	2009/2010
INTRODUCTION TO URBAN DESIGN	2012/2013 2013/2014 2014/2015 2016/2017 2017/2018
ISLAMIC HUMAN SETTLEMENT	2010/2011 2011/2012
ISLAMIC PERSPECTIVES IN TOURISM AND HOSPITALITY	2016/2017 2017/2018
ISLAMIC PLANNING PRINCIPLES	2001/2002 2002/2003 2003/2004
ISLAMIC URBANISM	2002/2003 2003/2004 2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2018/2019
LANDSCAPE AND URBAN PLANNING	2011/2012
PLANNING STUDIO 1	2002/2003 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018
PLANNING STUDIO 1 (BASIC PLANNING SKILLS)	2019/2020
PLANNING STUDIO 2	2002/2003 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018
PLANNING STUDIO 2 (MIXED DEVELOPMENT)	2018/2019 2020/2021
PLANNING STUDIO 3	2008/2009 2009/2010 2018/2019
PLANNING STUDIO 3 (SPECIAL AREA PLANNING)	2020/2021

PLANNING STUDIO 4	2009/2010
PLANNING STUDIO 4 (LOCAL PLANNING)	2019/2020
PLANNING THEORY	2009/2010
PRACTICAL TRAINING	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018
PRINCIPLES OF URBAN & REGIONAL PLANNING 1	2008/2009 2009/2010 2010/2011 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017
QURAN, SUNNAH & BUILT ENVIRONMENT	2017/2018 2018/2019 2019/2020 2020/2021
SITE PLANNING	2017/2018
URBAN DESIGN AND ISLAMIC URBANIZATION	2018/2019 2020/2021
VALUES, ETHICS AND BUILT ENVIRONMENT	2014/2015 2015/2016

RESEARCH PROJECTS

Completed

2019 - 2019	Pelan Pengurusan Persisir Pantai Pekan Kuah-Klebang, Langkawi Kedah
2018 - 2019	Repositioning of Tourism Accommodation Premises into the Context of Islamic Built Environment and Muslim Friendly Attributes
2017 - 2018	Pelan Tindakan Pembangunan Bersepadu Gunatanah di Lembangan Sg. Sepang
2017 - -1	Pelan Tindakan Pembangunan Bersepadu Gunatanah di Lembangan Sg. Sepang
2015 - 2018	Exploring New Methodology in Provision of Muslim Worship Places (Mwp) Using GIS
2014 - 2015	Conceptual Master Plan For the Proposed New Regional Development of "Azlan Malaysia" in Perak Darul Ridzuan
2013 - 2016	Unique Elements of the Historical and Traditional Mosque in Malaysia
2011 - 2014	RU 2011: Malaysia's First Heritage District: Exploring Methodology to Evaluate a Heritage District from the Applied Arts and Design Perspectives in Relation to Art, Traditions and Socio-Cultural Elements.
2011 - 2014	RU 2011: Malaysia First Heritage District: Exploring Methodology to Evaluate a Heritage District from the Architectural Perspectives in Relation to Palace, Religious Buildings and Mausoleums
2011 - 2014	RU 2011: Malaysia First Heritage District: Exploring Methodology to Evaluate a Heritage District from the Architectural Perspectives in Relation to Public and residential Buildings

- 2011 - 2015** RU 2011: Exploring Methodology to Evaluate a Heritage District from the Urban and Regional Planning Perspective
- 2011 - 2014** RU 2011: Malaysia's First Heritage District: Exploring Methodology to Evaluate Cultural Landscape Heritage Attributes
- 2010 - 2012** The costing impact factor in implementing coastal management initiatives in Klang District, Selangor
- 2008 - 2011** Department of Zakat Kedah and Rural Poverty Alleviation Issues and Problem
- 2004 - 2004** The Study of Islamic Neighbourhood Hierarchy in District of Gombak, Malaysia: A Case Study

In Progress

- 2019 - Present** Pelan Induk Perancangan Fizikal Pelancongan Negeri Perlis
- 2019 - Present** Pelan Pengurusan Pesisir Pantai Pekan Kuah-Klebang, Langkawi Kedah
- 2018 - Present** Development of Rating Tool and Audit System for Muslim Friendly Tourism Accommodation Premises Hospitality and Services.
- 2018 - Present** Repositioning of Tourism Accommodation Premises into the Context of Islamic Built Environment and Muslim Friendly Attributes
- 2017 - Present** Modelling for carrying capacity framework in highly sensitive area tourism
- 2015 - Present** Exploring New Methodology in Provision of Muslim Worship Places (Mwp) Using GIS
- 2013 - Present** Rating Tools and Audit Systems for Shari'ah Compliant Hospitality and Services
- Unknown - Present** Repositioning of Tourism Accommodation Premises into the Context of Islamic Built Environment and Muslim Friendly Attributes

PUBLICATIONS

Article

- 2020** [Comparison inventory of UNESCO World Heritage Villages: Kampung Morten, Melaka and ogimachi village, Shirakawa-Go, Gifu.](#) Built Environment Journal , 17 (2) pp.21-28
- 2019** [The influence of urban park green spaces, plant material specifications and spatial design organization and pattern towards carbon sequestration rate.](#) Applied Ecology and Environmental Research , 17 (4) pp.8079-8088
- 2019** [Estimation of carbon sequestration rate of urban park with linear and curvilinear design landscape setting.](#) Applied Ecology and Environmental Research , 17 (4) pp.8089-8101

- 2019** [Closed landfill heavy metal contamination distribution profiles at different soil depths and radiuses.](#) Applied Ecology and Environmental Research , 17 (4) pp.8059-8067
- 2019** [Study on heavy metal contamination distribution at active landfill at different depths and radiuses.](#) Applied Ecology and Environmental Research , 17 (4) pp.8069-8077
- 2019** [The shopping activities in Melaka UNESCO World Heritage Site: local community benefited? = Aktiviti membeli-belah di Melaka UNESCO World Heritage Site: adakah komuniti setempat mendapat manfaat?.](#) Journal of Sultan Alauddin Sulaiman Shah , 3 (Special issue) pp.366-376
- 2019** [Assessment of agro-based homestay activities towards Muslim friendly tourism.](#) International Journal of Academic Research in Business and Social Sciences , 9 (2) pp.901-909
- 2019** [Repositioning of spa premises into the context of Islamic built environment and Muslim friendly attributes.](#) International Journal of Academic Research in Business and Social Sciences , 9 (2) pp.1014-1023
- 2019** [The interrelationship between spatial organization, social interaction and landscape setting of The homestay towards Islamic built environment.](#) International Journal of Academic Research in Business and Social Sciences , 9 (2) pp.1121-1131
- 2019** [Influences of laterite soil towards physico-chemical properties and heavy metals concentration in urban lake quality index.](#) Desalination and Water Treatment , 163 (2019) pp.398-403
- 2019** [Impact of sandy soil physico-chemical properties towards urban lakes eutrophication and inorganic pollutant status.](#) Desalination and Water Treatment , 163 (2019) pp.404-408
- 2019** [Exploring methodology to evaluate a heritage district from the architectural perspectives in relation to palaces, religious buildings and mausoleums in Kuala Kangsar district, Perak, Malaysia.](#) Journal of Architecture, Planning & Construction Management , 8 (2) pp.28-42
- 2018** [Study on spa typologies, spatial organisation and social interaction in accordance with Islamic built environment attributes.](#) Journal of Architecture, Planning & Construction Management , 8 (2) pp.43-49
- 2017** [The standard elements for muslim-friendly accommodation premises.](#) Journal Of Contemporary Islamic Studies , 3 (2) pp.121-134
- 2017** [Challenges to implement carrying capacity framework: A case study of Pulau Perhentian Marine Park institutional framework.](#) Planning Malaysia: Journal of the Malaysian Institute of Planners , 15 (1) pp.163-168
- 2017** [Key indicator tools for shallow slope failure assessment using soil chemical property signatures and soil colour variables.](#) Environmental Science and Pollution Research , 24 (29) pp.22861-22872
- 2017** [Awareness and involvement of downstream residents toward the mitigation plan of Dam failure: a case study of Klang Gate Dam.](#) Advanced Science Letters , 23 (7) pp.6091-6095

- 2017 [Attraction of three-star hotel through alternative entertainments.](#) Journal of Contemporary Islamic Studies , 3 (1) pp.31-40
- 2015 [Unique elements of the traditional and vernacular Masjids in Malaysia; traditional elements acquainting practical sustainability .](#) Applied Mechanics and Materials , 747 pp.76-79
- 2015 [Carbon sequestration rate modelling system for hotel and resort green spaces.](#) Advanced Science Letters , 21 (6) pp.1633-1637
- 2015 [Rating tools for shariah compliant hospitality and services: landscape design stage.](#) Advanced Science Letters , 21 (6) pp.1643-1646
- 2015 [Shariah compliant audit checklist for tourism accommodation premises.](#) Advanced Science Letters , 21 (6) pp.1721-1724
- 2015 [The emergence of Islamic spa concept.](#) Advanced Science Letters , 21 (6) pp.1750-1753
- 2015 [Islamic tourism: beyond than just Halal food and a place for prayer.](#) Advanced Science Letters , 21 (6) pp.2085-2088
- 2014 [Sustainable governance in relation to the financial aspect in managing the coastal areas: Malaysian experience.](#) Journal of the Malaysian Institute of Planners , 3 pp.15-26
- 2014 [Sustainable governance in relation to the financial aspect in managing coastal areas: Malaysian experience.](#) PLANNING MALAYSIA - Journal of the Malaysian Institute of Planners , 3 pp.15-26

Conference or Workshop Item

- 2019 [Assessment of day spa premises spatial organization, components and services towards Muslim friendly elements.](#) In: **1st International Conference on Tourism, Management and Technology 2019**
- 2018 [The shopping activities in Melaka UNESCO World Heritage site: is the local community benefited?.](#) In: **e-Prosiding Persidangan Antarabangsa Sains Sosial dan Kemanusiaan 2018**
- 2018 [Repositioning of spa premises into the context of Islamic built environment and Muslim friendly attributes.](#) In: **International Conference on Halal Innovation in Products and Services 2018 (i-CHIPS 2018)**
- 2018 [The interrelationship between spatial organization, social interaction and landscape setting of the homestay towards Islamic built environment.](#) In: **International Conference on Halal Innovation in Products and Services 2018 (i-CHIPS 2018)**
- 2018 [Assessment of agro-based homestay activities towards Muslim friendly tourism.](#) In: **International Conference on Halal Innovation in Products and Services 2018 (i-CHIPS 2018)**
- 2016 [Alcohol restriction in muslim friendly hospitality services: treat or opportunity?.](#) In: **3rd International Halal Conference (INHAC 2016)**
- 2016 [Standardization of Islamic elements and requirements for room in tourism accommodation premises.](#) In: **3rd International Halal Conference (INHAC 2016)**

- 2016 [Carrying capacity framework in reducing the waste produced in tourism area.](#) In: **3rd International Halal Conference (INHAC 2016)**
- 2016 [Overwater chalet development and land ownership issue from the Islamic perspectives.](#) In: **3rd International Halal Conference (INHAC 2016)**
- 2016 [Halal entertainment: Attraction of three-star hotel towards alternatives entertainment.](#) In: **3rd International Halal Conference (INHAC 2016)**
- 2015 [Carbon sequestration rate modelling system for hotel and resort green spaces.](#) In: **International Conference on Business, Management, Tourism and Hospitality 2015 (BIZMATOUR 2015)**
- 2015 [Rating tools for Shariah compliant hospitality and services: landscape design stage.](#) In: **International Conference on Business, Management, Tourism and Hospitality 2015 (BIZMATOUR 2015)**
- 2015 [Shariah compliant audit checklist for tourism accommodation premises.](#) In: **International Conference on Business, Management, Tourism and Hospitality 2015 (BIZMATOUR 2015)**
- 2015 [The emergence of Islamic spa concept.](#) In: **International Conference on Business, Management, Tourism and Hospitality 2015 (BIZMATOUR 2015)**
- 2015 [Islamic tourism: beyond than just halal food and a place for prayer.](#) In: **International Conference on Business, Management, Tourism and Hospitality BIZMATOUR 2015**
- 2013 [Zakat In Malaysian rural development: issues and potentials.](#) In: **The Proceeding of Conference of Iran and Malaysiya: Experiences in Islamic Architecture and Built Environment**
- 2013 [Zakat In Malaysian rural development: issues and potentials.](#) In: **The Proceeding of Conference of Iran and Malaysiya: Experiences in Islamic Architecture and Built Environment**
- 2013 [Identifying cultural landscape components in the district of Kuala Kangsar, Perak, Malaysia.](#) In: **2013 ACLA International Symposium**

**Book
Book Section**

- 2015 [Muslim city in Malaysia: an overview.](#) In: **Malaysian case studies of urban and regional planning** IIUM Press . ISBN 978-967-418-328-8 , pp.62-69
- 2015 [Muslim city in Malaysia: an overview.](#) In: **Malaysian case studies of urban and regional planning** IIUM Press . ISBN 978-967-418-328-8 , pp.62-69
- 2011 [Problems of alleviating poverty in less developed countries \(LDCs\).](#) In: **A Compendium Of Urban And Regional Planning Studies In The Built Environment of Malaysia** IIUM Press . ISBN 978-967-418-038-6 , pp.39-48
- 2011 [Zakat in Malaysian rural development.](#) In: **A Compendium Of Urban And Regional Planning Studies In The Built Environment of Malaysia** IIUM Press . ISBN 978-967-418-038-6 , pp.57-65

2011 [Inequality and the importance of centralizing zakat collection: a case study of Padang Terap district of Kedah.](#) In: **A Compendium Of Urban And Regional Planning Studies In The Built Environment of Malaysia** IIUM Press . ISBN 978-967-418-038-6 , pp.66-74