

# FADZIDAH BINTI ABDULLAH



- KULLIYAH OF ARCHITECTURE AND ENVIRONMENTAL DESIGN
- IIUM Gombak Campus
- Email address: [fadzidah@iium.edu.my](mailto:fadzidah@iium.edu.my)

## المؤهل العلمي

- Doctor of Philosophy in Architecture
- Master of Science in Computer Aided Environmental Design
- Bachelor of Architecture

## مسؤوليات التدريس

ARCHITECTURAL DESIGN 1 (STUDIO)	2017/2018 2019/2020
ARCHITECTURAL DESIGN 2 (STUDIO)	2010/2011 2015/2016 2018/2019 2019/2020
ARCHITECTURAL DESIGN 3 (STUDIO)	2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2018/2019
ARCHITECTURAL DESIGN 4 (STUDIO)	2009/2010 2011/2012 2012/2013 2013/2014 2014/2015 2017/2018
ARCHITECTURAL DESIGN 5 (STUDIO)	2015/2016 2016/2017
ARCHITECTURAL DESIGN 6 (STUDIO)	2016/2017
ARCHITECTURAL DESIGN I (STUDIO)	2007/2008
ARCHITECTURAL DESIGN II (STUDIO)	2007/2008 2009/2010
ARCHITECTURAL DESIGN V (STUDIO)	2009/2010
ARCHITECTURAL GRAPHICS	2006/2007 2007/2008 2012/2013
BUILDING CONSTRUCTION & MATERIALS	2006/2007 2007/2008 2008/2009
BUILDING CONSTRUCTION & MATERIALS 2	2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
BUILDING CONSTRUCTION & MATERIALS 3	2006/2007 2007/2008 2009/2010 2010/2011 2011/2012 2013/2014 2014/2015 2015/2016 2016/2017
BUILDING CONSTRUCTION 1	2006/2007 2007/2008
BUILDING CONSTRUCTION 2	2006/2007 2007/2008
COMPUTER AIDED DESIGN - 2D	2000/2001

COMPUTER AIDED DESIGN - 3D	2000/2001 2001/2002 2017/2018
DESIGN THESIS 1	2010/2011
ENVIRONMENTAL PHYSICS	2001/2002
HABITAT DESIGN I	2001/2002
HABITAT DESIGN I (STUDIO)	2006/2007
HERITAGE STUDIES	2010/2011 2014/2015 2017/2018
HISTORY AND TEORY OF ARCHITECTURE 1	2020/2021
HISTORY AND THEORY OF ARCHITECTURE 1	2017/2018 2018/2019 2019/2020
PRACTICAL TRAINING	2011/2012
TOPICAL STUDIES	2012/2013
WORKING DRAWING AND SPECIFICATION	2014/2015

## المشاريع البحثية

### In Progress

- 2019 - Present** Planting and SMART Tagging Trees Project for the Malay Enclave in IIUM
- 2016 - Present** Arabic Learning Module Using Augmented Reality Based Materials: Design and Its Implementation
- 2015 - Present** Versatile Reading Kiosk Prototype Development
- 2015 - Present** Assessing the Potential of Augmented Reality (Ar) as Attributes of Successful Learning of Heritage Architecture
- 2012 - Present** IIUM Master Plan (Planning Soft and Hard Scape)

### Completed

- 2016 - 2019** Arabic Learning Module Using Augmented Reality Based Materials: Design and Its Implementation
- 2015 - 2018** Assessing the Potential of Augmented Reality (Ar) as Attributes of Successful Learning of Heritage Architecture
- 2015 - 2017** Fundamental Guide to the Design, Symbolism and the Making of Malay Garden
- 2014 - 2018** Exploring Adaptive e-Learning of Architectural Education Using I- Ta'LeEM Platform

- 2011 - 2013** Assessment of Students Independency in Conducting Field Work and Studio Work of Heritage Studies: The Bangladeshi Experience
- 2011 - 2012** Lalbagh Fort; The Incomplete Mughal Fortress
- 2010 - 2012** RU 2011: A Reflection of Intergrated Multi-Disciplinary Course in Built Environment
- 2009 - 2012** A Comparative study of Horizontal vs. Vertical studio Management in IIUM
- 2008 - 2013** Access Audit in Religious Buildings and Public Spaces in Syria
- 2007 - 2011** Instant Cities: Architecture for the rich
- 2007 - 2010** A Comparative Studies of Minangkabau Architecture in Two Regions: West Sumatera, Indonesia, and Negeri Sembilan, Malaysia
- 2007 - 2011** Comparative Study of Studio Culture in Architectural Education
- 2007 - 2011** Meanings in Islamic Architectural Heritage in Comparison with Colonial Buildings: Case Studies of Malaysia and Tunisia

## المنشورات

### Article

- 2018** [Mobile augmented reality learning: design exploration toward student learning trends.](#) Advanced Science Letters , 24 (11) pp.7890-7894
- 2018** [Architectural history education: students' perception on mobile augmented reality learning experience.](#) Advanced Science Letters , 24 (11) pp.8171-8175
- 2018** [Experimenting technology enhancement active learning with support of mobile device, gamification and augmented reality application.](#) Advanced Science Letters , 24 (11) pp.7871-7875
- 2018** [The relevancy of outdoor classroom for PBL approach in selected university in Kuala Lumpur.](#) Planning Malaysia Journal of the Malaysian Institute of Planners , 16 (2) pp.186-196
- 2017** [Changes and threats in the preservation of the traditional Malay landscape.](#) Planning Malaysia , 15 (4) pp.69-78
- 2017** [Sustainable heritage: Analytical study on the viability of adaptive reuse with social approach, case study of Asia Heritage Row, Kuala Lumpur.](#) Advanced Science Journal , 23 (7) pp.6179-6183
- 2017** [Go virtual: Exploring the potential of adaptive e-learning platform for dissemination of architectural knowledge.](#) Advanced Science Letters , 23 (7) pp.6318-6321
- 2017** [Go virtual: exploring augmented reality application in representation of steel architectural construction for the enhancement of architecture education.](#) Advanced Science Letters , 23 (2) pp.804-808

- 2017** [Naturally ventilated colonial school classrooms in Malaysia are conducive to learning environment.](#) Advanced Science Letters , 23 (2) pp.830-833
- 2017** [Physical versus augmented reality model: Comparative study toward learning experiences at heritage studies gallery.](#) Advanced Science Letters , 23 (2) pp.890-893
- 2017** [Architectural heritage restoration of Rumah Datuk Setia via mobile augmented reality restoration.](#) Planning Malaysia : Journal of the Malaysian Institute of Planners , 15 (1) pp.139-150
- 2016** [Spatial analysis of environmentally sensitive areas in Kuala Selangor district, Malaysia.](#) Journal of Engineering and Applied Sciences , 11 (10) pp.2242-2248
- 2016** [Application of ecological attributes in the contemporary landscape assessment research.](#) Journal of Scientific Research and Development , 3 (4) pp.133-137
- 2016** [Assessment of urban park landscape setting design towards carbon sequestration rate.](#) The Social Sciences , 11 (20) pp.4918-4923
- 2014** [Developing graduates' collaboration skill based on Islamic perspective through integrated multi-disciplinary course in the built environment .](#) International Journal of Social Science and Humanity (IJSSH) , 4 (2) pp.117-121
- 2014** [The journey of murabbis in architecture pedagogy: the case of studio teaching as laboratory of passion and duty to future khalifas of the built environment.](#) World Applied Sciences Journal (30) pp.148-166
- 2011** [Islamic perspective of myths rooted in studio culture .](#) Journal of Architecture, Planning, and Construction Management , 1 (2) pp.61-88
- 2010** [A comparative study of horizontal and vertical architectural design studio management.](#) Journal of The World Universities Forum , 3 (1) pp.1-20
- 2009** [The enquiries of conventional architectural education.](#) Journal of The World Universities Forum , 2 (1) pp.1-14
- 2009** [Access audit on universal design: the case of Kota Kinabalu water front.](#) The International Journal of Interdisciplinary Social Sciences , 4 (4) pp.49-58
- 2008** [A preliminary study on problem based learning and its implementation in architectural education.](#) Journal of The World Universities Forum , 1 (1) pp.103-118

#### **Conference or Workshop Item**

- 2020** [The study of housing preferences of the Seletar community in Johor Bahru, Malaysia.](#) In: **1st International Symposium on Sustainable Rural Built Environments 2020**
- 2020** [Proposed Sarawak rainforest exploratorium and research center at Kubah National Park, Kuching, Sarawak.](#) In: **1st International Symposium on Sustainable Rural Built Environments 2020**
- 2019** [Passive design strategies of colonial mosques in Malaysia.](#) In: **Mediterranean Green Forum 5 2019**

- 2019 [Collaborative learning at international level for architecture education.](#) In: **Special Lecture on 'Collaborative Learning at International Level at Department of Architecture, Aligarh Muslim University, India**
- 2019 [Go green in architecture.](#) In: **2nd International Conference in Chemistry, Industry and Environment 2019**
- 2019 [Analysing the fundamental values of Islam in the planning and design of historic Nusantara-vernacular masjid architecture for regional sustainable Malay Islamic architecture.](#) In: **Exhibition and Lecture Series: Malay Architecture-The Resilience of Tradition from Origins to the Contemporary**
- 2019 [Symbolism and Meaning in Old Masjid Architecture of Malay Archipelago: A Case Study of Masjid in Kerinci, Jambi, Indonesia-presentation.](#) In: **2nd International Conference on Islamic Architectural Heritage**
- 2019 [Symbolism in Nusantara masjid architecture: Why and wherefores.](#) In: **Exhibition and Lecture : Malay Architecture Resilience of Tradition from Origin to the Contemporary**
- 2019 [Innovative teaching of anthropometric through morphosis dualfunction chair design and build.](#) In: **National Innovation Invention in Engineering and Built Environment (PRIN-KAB 2019)**
- 2019 [Interfaced environment for the teaching of subjects on building construction and materials: showcases of two experimentations.](#) In: **2nd. International Conference on Chemistry, Industry and Environment**
- 2018 [The myth and reality of historic Nusantara Masjid architecture: Nusantara Islamic Architecture.](#) In: **International Heritage and Cultural Conservation 2018 (INHERIT2018)**
- 2018 [A review of criteria for outdoor classroom in selected tertiary educational institutions in Kuala Lumpur.](#) In: **International Conference on Architecture and Civil Engineering (ICACE 2017)**
- 2018 [Case study on perspicacity of collaborative learning experiences.](#) In: **International Conference on Architecture and Civil Engineering (ICACE 2017)**
- 2017 [Experimenting technology enhancement active learning with support of mobile device, gamification and augmented reality application.](#) In: **2017 3rd International Conference on Education (ICOED 2017)**
- 2017 [Mobile augmented reality learning: design exploration toward student learning trends.](#) In: **2017 3rd International Conference on Education (ICOED 2017)**
- 2017 [Architectural history education: students' perception on mobile augmented reality learning experience.](#) In: **2017 3rd International Conference on Education**
- 2017 [The challenges and conservation efforts of cultural landscape in the Malay traditional village.](#) In: **Seminar Antarabangsa ke-10 Ekologi, Habitat Manusia & Perubahan Persekitaran di Alam Melayu, 2017 (EHMAP 10)**
- 2017 [Integrating augmented reality visualisation in the implementation of blended learning: showcases of two experimentations.](#) In: **International Conference for Blended Learning 2017**

- 2017 [Mobile blended learning environment for architectural history education: students' learning experience via mobile learning platform.](#) In: **International Conference for Blended Learning 2017**
- 2016 [Architecture for all: ageing & aged: a perspective from academia and practice in Malaysia.](#) In: **UIA-Symposium on Asian Age-Friendly City**
- 2016 [Spatial analysis of environmentally sensitive areas in Kuala Selangor district, Malaysia.](#) In: **2016 2nd International Conference on Marine, Ocean and Environmental Sciences and Technologies (MAROCENET)**
- 2016 [Naturally ventilated colonial school classrooms in Malaysia are conducive to learning environment.](#) In: **2016 International Conference on Education (ICOED)**
- 2016 [Architectural heritage restoration of Rumah Datuk Setia via mobile augmented reality restoration.](#) In: **International Conference on Architecture & Built Environment (ICABE 2016)**
- 2016 [Assessment of urban park landscape setting design towards carbon sequestration rate.](#) In: **2nd International Conference on Business, Management, Tourism and Hospitality 2016 (BIZMATOUR 2016)**
- 2016 [Go virtual: exploring the potential of adaptive e-learning platform for dissemination of architectural knowledge.](#) In: **International Conference on Architecture & Built Environment (ICABE 2016)**
- 2016 [Go virtual: exploring augmented reality application in representation of steel architectural construction for the enhancement of architecture education.](#) In: **2016 International Conference on Education (ICOED)**
- 2016 [Physical vs augmented reality model: comparative study toward learning experiences at heritage studies gallery.](#) In: **2016 International Conference on Education (ICOED)**
- 2016 [Analytical study on the viability of adaptive reuse with social approach. Case study of Asia Heritage Row, Kuala Lumpur.](#) In: **International Conference on Engineering Technologies and Social Sciences 2016**
- 2015 [Outdoor learning in the school grounds: a study of proposed additional outdoor classrooms for primary schools in Kuala Lumpur Malaysia.](#) In: **2nd International Conference on Innovative Trends in Multidisciplinary Academic Research (ITMAR 2015)**
- 2013 [Assessment of students' independency in heritage studies.](#) In: **International Conference on Architecture and Built Environment 2013 (ICABE2013)**
- 2013 [User's perceptions of physical elements in the hospital school environment.](#) In: **International Conference on Architecture and Built Environment 2013 (ICABE2013)**
- 2013 [A literature review on developing reading kiosk concept for nurturing reading habit among youth.](#) In: **International Conference on Architecture and Built Environment 2013 (ICABE2013)**

- 2013 [Developing graduates' collaboration skill based on Islamic perspective through integrated multi-disciplinary course in the built environment.](#) In: **3rd International Conference on Humanities, Society, and Culture (ICHSC 2013)**
- 2013 [The journey of murabbis in architecture pedagogy: The case of studio teaching as laboratory of passion and duty to future khalifas of the built environment.](#) In: **International Conference on Innovation Challenges in Multidisciplinary Research & Practice (ICMRP) 2013**
- 2012 [The study of school-in-hospital in pediatric wards for children with medical needs in Malaysia.](#) In: **1st International Conference on Innovation and Technology for Sustainable Built Environment 2012 (ICITSBE 2012)**
- 2012 [Research perception from layout plan and facilities for government low cost housing in Klang Valley, Kuala Lumpur.](#) In: **1st International Conference on Innovation and Technology for Sustainable Built Environment 2012 (ICITSBE 2012)**
- 2012 [The study of school-in-hospital for children with medical needs in Malaysia.](#) In: **2012 International Conference on Innovation and Technology for Sustainable Built Environment (ICITSBE 2012)**
- 2012 [Meanings in Islamic architectural heritage in comparison with colonial buildings: case studies of Malaysia and Tunisia.](#) In: **IRIEE 2012**
- 2012 [Losing interest of Minangkabau architecture.](#) In: **IUM Research, Invention and Innovation Exhibition 2012 (IRIIE 2012)**
- 2012 [An evaluation of government low cost housing layout plans and facilities in Kuala Lumpur.](#) In: **International Conference on Innovation and Technology for Sustainable Built Environment (ICITSBE 2012)**
- 2011 [A reflection on integrated multi-disciplinary course in built environment.](#) In: **2nd International Conference on Education & Educational Psychology (ICEEPSY 2011)**
- 2011 [Studio culture in architecture schools of Malaysia.](#) In: **International Conference of Education**
- 2010 [Approaching Islamic architecture heritage studies through problem based learning.](#) In: **IUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Access audit on universal design: the case of Kota Kinabalu waterfront.](#) In: **IUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [A comparative study of horizontal and vertical architectural design studio management in IUM.](#) In: **IUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2009 [Approaching Islamic architectural heritage studies through problem based learning.](#) In: **International Conference on Education and New Learning Technologies (EDULEARN09)**
- 2009 [Provision of barrier-free environment at waterfront development in Malaysia.](#) In: **ICUDBE 2009 -International Conference of Universal Design In Built Environment**

2007 [A study of Minangkabau architecture in two regions : West Sumatra, Indonesia, and Negeri Sembilan, Malaysia.](#) In: **2nd International Conference of the Centre for the Study of Architecture in the Arab Region (CSAAR 2007)**

2007 [A comparative study of Minangkabau architecture in two regions: Bukit Tinggi, Indonesia, and Negeri Sembilan, Malaysia.](#) In: **The Second International Conference of the Center for the Study of Architecture in the Arab Region (CSAAR 2007)**

#### Book

2018 [Inclusive educational environment for children with autism in Malaysia primary schools: addressing the issue of way finding.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-654-8

2018 [Exploring the relevancy of outdoor classroom for adaptive problem-based learning \(PBL\) among students in selected Malaysian universities.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-642-5

2017 [Inclusive educational environment for children with autism in Malaysian primary schools.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-654-8

2017 [Adaptive reuse of heritage building.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-662-3

2016 [Dimensions of Masjid architecture: perspectives and writings in theory and design.](#) Kulliyah of Architecture and Environmental Design, IIUM . ISBN 978-983-3142-33-0

2012 [Access audit in religious buildings and public spaces in old Damascus city in Syria](#) . IIUM Press, IIUM . ISBN 978-967-418-262-5

#### Book Section

2019 [Innovative teaching of anthropometric through morphosis-dual function chair design and build.](#) In: **National Innovation Invention in Engineering and Built Environment (PRIN-KAB 2019)** Centre of Engineering and Built Environment Education Research (PeKA) Faculty of Engineering and Built Environment Universiti Kebangsaan Malaysia . ISBN 9789832982609 , pp.33-38

2019 [Passive design strategies of colonial mosques in Malaysia.](#) In: **Green Buildings and Renewable Energy** Springer

2019 [Climatic Adaptations of Colonial School Buildings in Malaysia.](#) In: **Sustainable Vernacular Architecture. How the Past Can Enrich the Future** Springer , pp.275-292

2019 [Ethno botany uses in the Malay World.](#) In: **Islamic relevance in landscape architecture** The International Institute of Islamic Thought & International Islamic University Malaysia . ISBN 978-967-2190-25-7 , pp.78-91

2019 [Symbolism and meaning in old masjid architecture of Malay archipelago: a case study of Masjid in Kerinci, Jambi, Indonesia.](#) In: **MAMUR CEVRE VE GELECEK - The Future and the Built Environment** Fatih Sultan Mehmet Vakif University Publication . ISBN 978-605-2386-17-0 , pp.71-86

2016 [Masjid Zahir, Alor Setar, Kedah.](#) In: **Masjid: Selected Mosques and Musollas in Malaysia** ATSA Architects Sdn. Bhd. . ISBN 978-983-3631-04-9 , pp.165-172



- 2016** [Masjid Zahir: a heritage masjid as a traditional landmark in a city.](#) In: **Dimensions of Masjid Architecture** Kulliyah of architecture and Environmental Design . ISBN 978-983-3142-33-0 , pp.163-182
- 2013** [Phenomenological approach for evaluating problem based learning in architectural education.](#) In: **Methodologies in architectural research** IIUM Press . ISBN 978-3142-24-8 , pp.4-16
- 2012** [Perlaksanaan Reka Bentuk Sejagat untuk Orang Kurang Upaya dalam pembangunan Sebagai memenuhi Tuntutan Islam .](#) In: **Perancangan bandar dari Perspektif Islam** Perpustakaan negara malaysia . ISBN 978-983-46-1144-6. , pp.180-193
- 2012** [Perlaksanaan rekabentuk sejagat untuk orang kurang upaya dalam pembangunan sebagai memenuhi tuntutan Islam.](#) In: **Perancangan bandar dari perspektif Islam** Dewan Bahasa dan Pustaka . ISBN 9789834611446 , pp.180-196
- 2011** [Architectural education: now and then.](#) In: **Architectural Design Practice and Projects** IIUM Press . ISBN 9789674180591 , pp.101-110
- 2011** [The importance of aesthetic value in architectural education.](#) In: **Architectural Design Practice and Projects** IIUM Press . ISBN 9789674180591 , pp.111-117
- 2011** [Provision of barrier-free environment at waterfront development in Malaysia.](#) In: **The Application of Universal Design in Built Environment** Kuala Lumpur . ISBN 978-967-418-205-2 , pp.114-147
- 2011** [Potential of Problem Based Learning \(PBL\) for improvement of architectural pedagogy .](#) In: **Architectural Design Practice and Projects** IIUM Press . ISBN 9789674180591 , pp.119-125
- 2011** [Meaning in Islamic and colonial architecture : a comparative study of tourist related heritage buildings.](#) In: **Heritage Study of Muslim World** IIUM Press . ISBN 978-967-418-032-4 , pp.96-110
- 2011** [Minangkabau architecture : the losing interest.](#) In: **Malay vernacular architecture : traditional and contemporary expressions** IIUM Press . ISBN 978-967-418-057-7 , pp.85-91
- 2011** [Are instant cities designed for the rich? .](#) In: **Qualities in architecture** IIUM Press . ISBN 9789674180331 , pp.55-65
- 2011** [The architecture of Lalbagh Fort mosque, Dhaka.](#) In: **Heritage Study of Muslim World** IIUM Press . ISBN 978-967-418-032-4 , pp.11-19