

# ILLYANI BINTI IBRAHIM



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

- Urban Planning and Management
- Master of Science (Specialism of The Built Environment)
- Surveying Science and Geomatic

## TEACHING RESPONSIBILITIES

GEOGRAPHIC INFORMATION SYSTEM IN PLANNING	2009/2010
GEOMATIC	2016/2017
GEOSPATIAL 2: GEOMATICS	2019/2020
GIS APPLICATION FOR BUILT ENVIRONMENT	2009/2010
GIS FOR LANDSCAPE ARCHITECTURE	2014/2015 2015/2016 2016/2017 2017/2018
INFORMATION AND COMMUNICATION TECHNOLOGY	2019/2020
LAND SURVEYING	2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
LAND, SITE AND SURVEYING	2018/2019 2019/2020
LANDSCAPE ARCHITECTURE DESIGN 1	2014/2015
PLANNING STUDIO 1	2014/2015 2016/2017
PLANNING STUDIO 1 (BASIC PLANNING SKILLS)	2019/2020
PLANNING STUDIO 2	2009/2010 2014/2015 2015/2016 2016/2017
PLANNING STUDIO 3	2015/2016
PLANNING STUDIO 4	2017/2018 2018/2019
PLANNING STUDIO 5	2018/2019
PROJECT PAPER	2016/2017 2017/2018 2018/2019 2019/2020
SITE PLANNING	2015/2016 2016/2017

## RESEARCH PROJECTS

### In Progress

**2019 - Present** Kajian Carrying Capacity Pulau-Pulau Peranginan Negara, Semenanjung Malaysia

**2018 - Present** Identification of Urban Attractions for Design Enthusiasts in Special Interest Tourism: A Case Study of Kuala Lumpur

**2018 - Present** KURSUS PENGGUNAAN PERISIAN MAPINFO PROFESIONAL VERSI 17.0

**2018 - Present** Pengaruh Zon Garis Sesar Gempa Bumi Terhadap Perancangan Gunatanah Dan Persekitaran Di Kawasan Janda Baik

**2018 - Present** Rancangan Tempatan Majlis Daerah Kuala Muda Kedah, 2035 (Penggantian)

**2016 - Present** Enhancing the Green Building Index (GBI) Malaysia with Biomimicry Life's Principles (BLP) in Alleviating the Urban Heat Island (UHI) Effect for the Built Environment

**2016 - Present** Establishing a Model for Rural Landscape Corridor for Tourism Route Planning

**2016 - Present** Development and Characterization of Principles of Malay Urbanism in Modern Cities - Conflating Model of Urban Spatial Strategies through 3D GIS

**Unknown - Present** Identification of Urban Attractions for Design Enthusiasts in Special Interest Tourism: A Case Study of Kuala Lumpur

### Completed

**2018 - 2018** Pengaruh Zon Garis Sesar Gempa Bumi Terhadap Perancangan Gunatanah Dan Persekitaran Di Kawasan Janda Baik

**2018 - -1** KURSUS PENGGUNAAN PERISIAN MAPINFO PROFESIONAL VERSI 17.0

**2018 - 2018** Pengaruh Zon Garis Sesar Gempa Bumi Terhadap Perancangan Gunatanah Dan Persekitaran Di Kawasan Janda Baik

**2018 - -1** Rancangan Tempatan Majlis Daerah Kuala Muda Kedah, 2035 (Penggantian)

**2017 - -1** Garispanduan Perancangan Tahap Daya Tahan Bencana Bandar di Malaysia (Disaster Resilient City)

**2017 - 2018** Rancangan Tempatan Majlis Daerah Kubang Pasu, Kedah 2035 (Penggantian)

**2017 - 2018** Masalah Banjir di Lembangan Sungai Pahang dalam Konteks Perancangan Bandar

**2015 - 2018** Analysing Appropriate Socio-Economic Indicators for Climate Analysis

## PUBLICATIONS

### Article

- 2019 [3D city modeling using multirotor drone for city heritage conservation.](#) Planning Malaysia , 17 (1) pp.338-389
- 2018 [Ecological urbanism in the tropics studies on the sustainable dimensions of Malay traditional urban centers.](#) International Journal of Engineering & Technology , 7 (3.9 Special Issue 9) pp.93-99
- 2018 [The impacts of socio-economic indicator on urban growth in Selangor, Malaysia.](#) Advanced Science Letters , 24 (7) pp.4844-4848
- 2018 [Historical urban form: a case study of Melaka.](#) Planning Malaysia: Journal of the Malaysian Institute of Planners , 16 (2) pp.153-163
- 2018 [Mapping the landscape characters along a rural route for tourism.](#) Planning Malaysia , 16 (1) pp.131-140
- 2017 [Energy efficiency through lighting systems in institutional buildings in Nigeria.](#) Ecology, Environment and Conservation , 23 (Supplement Issue) pp.67-72
- 2017 [Reviews on the socio-economic indicators for spatial urban scale.](#) Journal of the Malaysian Institute of Planners , 15 (4) pp.139-150
- 2017 [Temporal geospatial shorelines changes analysis in Klang coastal area.](#) Advanced Science Letters , 23 (7) pp.6362-6366
- 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 [A review on observation of urban heat island in thermal remote sensing.](#) Journal of Architecture, Planning and Construction Management , 1 (7) pp.1-10
- 2017 [Measuring socio-economic indicators for climatic analysis.](#) Planning Malaysia Journal , 15 (1) pp.289-294
- 2016 [Spatial analysis of environmentally sensitive areas in Kuala Selangor district, Malaysia.](#) Journal of Engineering and Applied Sciences , 11 (10) pp.2242-2248
- 2015 [In situ measurement of temperatures in Kuala Lumpur area.](#) Journal of Applied Science and Agriculture , 10 (3) pp.9-16
- 2014 [Biophysical factors of remote sensing approach in urban green analysis.](#) Geocarto International , 29 (7) pp.1-12

### Conference or Workshop Item

- 2018 [Satellite image analysis along the Kuala Selangor to Sabak Bernam rural tourism routes.](#) In: **3rd International Conference on Research Methodology for Built Environment and Engineering (ICRMBEE) 2017**
- 2018 [Multicriteria analysis for flood mapping of Sungai Pahang.](#) In: **The 39th Asia Conference on Remote Sensing (ACRS 2018)**
- 2018 [Analysis of the spatial reasoning of historical Perak Sultanate.](#) In: **The 39th Asia Conference on Remote Sensing (ACRS 2018)**

- 2018 [A framework of Climate Disaster Resilience Index \(CDRI\) for environmental components in Kukup-Tanjung Piai, Johor.](#) In: **39th Asian Conference on Remote Sensing (ACRS) 2018**
- 2018 [Historical "intimacy" in Malay urban core configurations - a comparative analysis.](#) In: **The International Heritage and Cultural Conservation Conference (InHerit 2018)**
- 2017 [Historical urban form: A case study of Melaka.](#) In: **International Conference on Housing, Planning, Environment and Social Sciences (HOPES2017)**
- 2017 [The impacts of socio-economic indicator on urban growth in Selangor, Malaysia.](#) In: **International Conference on Social Sciences, Education and Humanities (SOSEHUM 2017)**
- 2017 [Energy efficiency through lighting systems: a case study at the agriculture faculty building, Kano University of Science and Technology, Wudil, Kano, Nigeria.](#) In: **International Conference on Architecture and Civil Engineering (ICACE 2017)**
- 2016 [Temporal geospatial shorelines changes analysis in Klang Coastal Area.](#) In: **International Conference on Architecture & Built Environment (ICABE 2016)**
- 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 [Urban heat island analysis on land use planning in greater Kuala Lumpur through remote sensing applications.](#) In: **37th Asian Conference of Remote Sensing (ACRS 2016)**
- 2016 [The land surface temperature impact to land cover types.](#) In: **23rd International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences Congress (ISPRS 2016)**
- 2015 [In situ measurements of temperatures in Kuala Lumpur area.](#) In: **The 6th International Conference on Green Technology**
- 2014 [Temporal study of urban growth and land surface temperature extraction: a study of the Klang Valley area.](#) In: **Technology Science Social Science Humanities 2014 International Conference**
- 2014 [UHI and temporal study of urban growth: a study of the Klang Valley area.](#) In: **The Asian Conference on Sustainability, Energy and the Environment Conference Archive (ASCEE 2014)**

**Book  
Book Section**