



INTERNATIONAL JOURNAL OF BUILT ENVIRONMENT & SUSTAINABILITY

eISSN 2289-8948

Vol 6, No 2 (2019)

<https://ijbes.utm.my/>



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

IJBES

International Journal of Built Environment and Sustainability

<http://ijbes.utm.my>

EDITORIAL BOARD

Roslan Amirudin, Chief Editor, Universiti Teknologi Malaysia

Shamsul Hadi Bandi, Managing Editor, Universiti Teknologi Malaysia

Ariva Sugandi Permana, Assistant Managing Editor, King Mongkut Institute of Technology Ladkrabang Bangkok

International Editorial Board

ATM Nurul Amin, Northsouth University, Bangladesh

Anoma Kumarasuriayar, Queensland University of Technology, Australia

Ansar-Ul-Haque Yasar, Hasselt University, Belgium

Ariva Sugandi Permana, King Mongkut Institute of Technology Ladkrabang Bangkok

Awais Piracha, University of Western Sydney, Australia

Bhishna Bajracharya, Bond University, Australia

Chandrasekar Parsuvanathan, Velammal Engineering College, India

Jayant K. Routray, Asian Institute of Technology, Thailand

Jung-Geun Ahn, Gyeongsang National University, Korea

Kwon Tae Ho, Semyung University, Korea

Ludovic Lacrosse, Executive Chairman of Full Advantage Company, Thailand

Michail Kagioglou, University of Huddersfield, United Kingdom

Michihiko Shinozaki, Shibaura Institute of Technology, Japan

Mohammed A. Husain, Modibbo Adama University of Technology, Nigeria

Muhammad Abu Yusuf, Asian Institute of Technology, Thailand

Ranjith Perera, Sultan Qaboos University, Oman

Roos Akbar, Bandung Institute of Technology (ITB), Indonesia

Shahed Khan, Curtin University of Technology, Australia

Soheil Sabri, University of Melbourne, Australia

Sudaryono Sastrosasmito, Gadjah Mada University, Indonesia

Tetsu Kubota, Hiroshima University, Japan

Vilas Nitivattananon, Asian Institute of Technology, Thailand

National Editorial Board

Mansor Ibrahim, International Islamic University, Malaysia

Shamsul Hadi Bandi, Universiti Teknologi Malaysia

Julaihi Wahid, Universiti Sains Malaysia

Zalina Shari, Universiti Putra Malaysia

Zahid Sultan, Universiti Teknologi Malaysia

Ismail Said, Universiti Teknologi Malaysia

M. Rafee Majid, Universiti Teknologi Malaysia

Kherun Nita Ali, Universiti Teknologi Malaysia

Hamidah Ahmad, Universiti Teknologi Malaysia

Hasanuddin Lamit, Universiti Teknologi Malaysia

Mahmud Mohd Jusan, Universiti Teknologi Malaysia

Raja Nafida bt Raja Shahminan, Universiti Teknologi Malaysia

Tareef Hayat Khan, Universiti Teknologi Malaysia

Khairul Anwar Khaidzir, Universiti Teknologi Malaysia

Gurupiah Mursib, Universiti Teknologi Malaysia

Wan Hashimah Wan Ismail, Universiti Teknologi Malaysia

Fadhlil Abdullah, Universiti Teknologi Malaysia

Nur Emma Mustapa, Universiti Teknologi Malaysia

Razali Abdul Hamid, Universiti Teknologi Malaysia

Muzani Mustaffa, Universiti Teknologi Malaysia



Mail Address:

International Journal of Built Environment and Sustainability

Faculty of Built Environment and Surveying

Universiti Teknologi Malaysia

81310, Johor Bahru, Malaysia

Telephone: +60-7-5537382

Email: ijbes@utm.my

Copyright © FAB, UTM, 2019

Cover Design and Type-set by: S Bandi/Hairunnisa/Azman

DISCLAIMERS:

This publication is intended to enrich the knowledge in the field of built environment and sustainability. Therefore, you may use the materials contained herein for free as long as for the use of academic purpose. However, you must cite this scientific material properly

The views expressed in this publication do not necessarily reflect the views of the Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia.



The IJBES is an international peer-reviewed Journal
Published in collaboration between Faculty of Built Environment and Surveying and Penerbit UTM

E-ISSN: 2289-8948

ISSN: 1511-1369

IJBES

Volume 6, Issue 2, 2019

Table of Contents

1.	A Non-Accident-Based Spatial Method to Analyse Pedestrian-Vehicular Conflict	1-12
	<i>Lakshika Meetiyagoda</i>	
2.	Interrelationships between Public Open Space, Common Pool Resources, Publicness Levels and Commons Dilemmas: A Different Perspective in Urban Planning	13-21
	<i>Gabriel Hoh Teck Ling, Chin Siong Ho, Kar Yen Tsau and Chin Tiong Cheng</i>	
3.	Climate Change Policy Evaluation and Its Impact on Island Nations: Case Of Singapore And Sri Lanka	23-37
	<i>Osada Vishvajith Peiris</i>	
4.	Political Representation In Urban Public Space In Jakarta Child-Friendly Public Space (Ruang Publik Terpadu Ramah Anak – RPTRA)	39-49
	<i>Eka Permanasari, Sahid Mochtar and Rahma Purisari</i>	
5.	The Role of Environment As Third Teacher Towards The Development Of Educational Space For Dyslexic Children	51-62
	<i>Alice Sabrina Ismail and Nur Syaza Zureena Zulkurnain</i>	
6.	BIM Backed Decision Support System in the Management of Heritage Building	63-71
	<i>Muhammad Hadi Mustafa, Maisarah Ali, Kamsiah Mohd Ismail, Khairusy Syakirin Has Yun Hashim and Mohamad Saifulnizam Mohd Suhaimi</i>	