

INTERNATIONAL JOURNAL OF SUSTAINABLE TROPICAL DESIGN & PRACTICE

# ALLIANZA CLIMA.



PUBLISHED BY \_\_\_\_\_  
FACULTY OF DESIGN & ARCHITECTURE  
UNIVERSITI PUTRA MALAYSIA

2023 VOLUME 16(1)

# ALAM CIPTA

International Journal on Sustainable Tropical Design Research and Practice  
Vol 16 (Issue 1) JUN 2023 ISSN 1823-7231



Faculty of Design and Architecture  
Universiti Putra Malaysia

Editor-in-Chief  
Sreetheran Maruthaveeran

## TABLE OF CONTENTS

---

<b>CAN ARTIFICIAL INTELLIGENCE REPLACE DESIGN THINKING?</b>	
Sreetheran Maruthaveeran .....	1
<b>SUSTAINABLE KIDS FASHION: DESIGNERS' VIEWPOINT TOWARD MULTIFUNCTIONAL CHILDREN'S WEAR DESIGN</b>	
Marzie Hatef Jalil & Nazlina Shaari .....	2
<b>A SYSTEMATIC REVIEW OF ELECTROENCEPHALOGRAPHIC METHODOLOGIES, TECHNOLOGIES, AND CONSEQUENCES IN NEURO-LANDSCAPE PROSPECT ON PSYCHOLOGICAL RESTORATION FOR UNIVERSITY STUDENTS.</b>	
Mohd Salleh, M. Z, Abd Malek, N., Othman, N. & Sudin, L. S.....	12
<b>DESIGN FACTORS OF POTENTIAL ASSISTIVE TECHNOLOGY FOR MEMORIZING AL-QURAN LEARNING EXPERIENCE AMONG TAHFIZ STUDENTS</b>	
Ronaldi Saleh bin Umar, Raja Intan Suhaylah Binti Raja Abdul Rahman & Nik Md. Saiful Azizi bin Nik Abdullah .....	21
<b>RESIDENT ADAPTATION AND HOUSING ADJUSTMENT DURING THE COVID-19 PANDEMIC IN INDONESIA</b>	
Setiadi, A., Rudwiarti, L.A., Wardhani, M.K. & Rahayu, T.E. .....	28
<b>STORMWATER TO FOOD WATER: REUSING FLOOD AS IRRIGATION FOR URBAN AGRICULTURAL AREAS THROUGH REGENERATIVE LIVING LANDSCAPE</b>	
Charlamaine P. Morales and Angelo Paulo Mogul & Ruen Balmores .....	38
<b>ENDEMIC FURNITURE: TRANSFORMATION-BIOMIMICRY THEORETICAL FRAMEWORK IN CHAIR DESIGN</b>	
Fu Chew Xiang .....	48
<b>EFFECTS OF INSTAGRAM ON VISITORS' PLACE ATTACHMENT TO THE HISTORIC CITY CENTRE IN GEORGETOWN, PENANG</b>	
Tugce Ertan Meric, Norsidah Ujang & Jamie MacKee .....	54
<b>VISUAL ANALYSIS OF THE KNOWLEDGE MAP AND TREND OF DIGITAL TECHNOLOGY AND NEW MEDIA ART FIELD BASED ON CITESPACE</b>	
Lyu Zhaoyu & Jasni Dolah .....	67
<b>COMMONS OF INSTAGRAM: A SOURCE OF LANDSCAPE AESTHETICS</b>	
Jose Antonio P. Bimba & Nappy L. Navarra .....	75
<b>USABILITY STUDY OF A WEB-BASED RESEARCH TOOL FOR OCCUPATIONAL THERAPY ADAPTATION ACTIVITIES: A CASE STUDY AMONG UNIVERSITI TEKNOLOGI MARA, PUNCAK ALAM CAMPUS STUDENTS</b>	
Nurhikma Mat YusofI, Raja Ahmad Azmeer Raja Ahmad Effendi, Mohd Shahrizal Dollah, Saiful Hasley Ramli, Az Zahar Harun, Jusang Bolong & Palang Wongtanasuporn .....	83
<b>INSTRUCTIONS TO AUTHORS</b> .....	89

## EDITORIAL BOARD

Editor-in-Chief: SREETHERAN MARUTHAVEERAN, Universiti Putra Malaysia, Malaysia

Associated Editors : MOHD SHAHRUDIN BIN MANAN, Universiti Putra Malaysia, Malaysia  
KHAIRUL MANAMI KAMARUDIN, Universiti Putra Malaysia, Malaysia,  
SIEW MAY LING, Universiti Putra Malaysia, Malaysia  
BIN JIANG, University of Hong Kong, Hong Kong  
ALI RASHIDI, Monash University, Australia  
AHMAD HAMI, University of Tabriz, Iran  
NIMISH BILORIA, University of Technology Sydney, Australia  
ULRIK SIDENIUS, University of Copenhagen, Denmark  
ADAM WAHIDA, Universitas Sebelas Maret, Surakarta, Indonesia

### Editorial Board Members

KHAIRUL AIDIL AZLIN ABD RAHMAN, Universiti Putra Malaysia  
ALIAS ABDULLAH, International Islamic University Malaysia (IIUM)  
SHAHRIMAN ZAINAL ABIDIN, Universiti Teknologi MARA (UiTM)  
HASANUDDIN LAMIT, Univeriti Teknologi Malaysia  
AHMAD HARIZA HASHIM, Universiti Putra Malaysia  
WONG NYUK HIEN, National University of Singapore  
RAHINAH IBRAHIM, Universiti Putra Malaysia  
ASHRAF M. SALAMA, University of Strathclyde

CECIL KONIJNENDIJK VAN BOSCH, The University Of British Columbia  
SUHARDI MAULAN, Universiti Putra Malaysia  
MOHD RAMZI MOHD HUSSAIN, International Islamic University Malaysia (IIUM)  
KHALILAH ZAKARIYA, International Islamic University Malaysia (IIUM)  
NIK LUKMAN NIK IBRAHIM, Universiti Kebangsaan Malaysia  
THOMAS B. RANDRUP, Swedish Agricultural University  
ITO KEITARO, Kyushu Institute of Technology  
MATILDA VAN DEN BOSCH, Barcelona Institute for Global Health

### Reviewer

MOHD YAZID MOHD YUNOS, Universiti Putra Malaysia  
HAROZILA RAMLI, Universiti Pendidikan Sultan Idris  
ADDY PUTRA MD ZULKIFLI, Universiti Pendidikan Sultan Idris  
YUTING WANG, Tianjin University  
TAMILSALVI MARI, Taylor's University  
NOR AKMAR ABDUL AZIZ, Universiti Putra Malaysia  
EVELYN AI LIN, Universiti Putra Malaysia  
RUHAIZIN SULAIMAN, Universiti Putra Malaysia  
ABDUL AZIZ ZALAY @ ZALI, Universiti Pendidikan Sultan Idris  
HAFISZAH ISMAIL, Universiti Teknologi MARA  
NUR JASMINE LAU LEBY, Universiti Putra Malaysia  
OSMAN MOHD TAHIR, Universiti Putra Malaysia  
NORASHIKIN AHMAD KAMAL, Universiti Teknologi MARA

MOHD FAIZ YAHYA, Universiti Putra Malaysia  
AZHARI MD HASHIM, Universiti Teknologi MARA  
MOHD FABIAN HASNA, Universiti Putra Malaysia  
MOHAMMAD EWAN AWANG, Universiti Putra Malaysia  
MUHAMAD NASYAT MUHAMAD NASIR, Universiti Malaysia Kelantan  
KHALILAH ZAKARIYA, International Islamic University Malaysia  
HUI LIU, China Jiliang University  
RONALDI SALEH UMAR, Universiti Pendidikan Sultan Idris  
PRAVEEN NAIR, Heriot-Watt University  
MOHAMMAD IMTIAZ HOSSAIN, Multimedia University  
MOHD MAT NOOR, Universiti Putra Malaysia  
SHEENA BIDIN, Universiti Putra Malaysia

### Index

Scopus, MyCite, National Library, UPM Intellectual Repository, Design and Applied Arts (DAAI), Arts and Humanities Index ( CSA Illumina), EBSCO and ISC (Islamic World Science Citation Center)