

## MUHAMMAD ADAM BIN ZAKARIA(Gs. Ts.)

### Lecturer

Centre of Studies for Landscape Architecture  
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Selangor, Malaysia.



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### Areas of Expertise

GIS, Regional Landscape Planning and GIS in Landscape Architecture  
<https://expert.uitm.edu.my/profile.php?id=YFPciCoEahBFc1rEL20Q36VunGcNPTeBCTVUkmCjzhY=>

### Personal Information

Muhammad Adam Zakaria  
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Faculty of Architecture, Planning and Surveying  
Research Interest Group: GIS & Landscape Planning

### Academic Qualifications

Master of Geographical Information Science (MGISc), 2019, Universiti Teknologi MARA  
Bachelor of Landscape Architecture(HONS), 2017, Universiti Teknologi MARA  
Diploma in Landscape Architecture, 2014, Universiti Teknologi MARA

### Professional Members

1. Institute of Landscape Architects Malaysia (ILAM), Graduate Member, 2017-*recent*
2. Institution of Geospatial and Remote Sensing Malaysia (IGRSM), Professional Member, 2021-*recent*
3. Malaysia Board of Technologist (MBOT), Professional Technologists (Green Technology), 2021-*recent*
4. American Field Service (AFS-Malaysia), Volunteer Yayasan AFS Antarabudaya Malaysia, 2010-*recent*

## Teaching and Learning

1. Degree, Mar 2022 – Aug 2022, Regional Landscape Planning (LAN & LAS), Lecture & Tutorial
2. Degree, Mar 2022 – Aug 2022, GIS in Landscape Architecture (LAN & LAS), Lecture & Tutorial
3. Degree, Mar 2022 – Aug 2022, Landscape Architecture Drafting Techniques, Lecture & Tutorial
4. Degree, Oct 2022 – Feb 2023, Regional Landscape Planning, Lecture & Tutorial
5. Degree, Oct 2022 – Feb 2023, GIS in Landscape Architecture, Lecture & Tutorial
6. Degree, Oct 2022 – Feb 2023, Landscape Architecture Drafting Techniques, Lecture & Tutorial
7. Degree, Mar 2022 – Aug 2022, Professional Practice, Lecture & Tutorial
8. Degree, Mar 2022 – Aug 2022, Regional Landscape Planning, Lecture & Tutorial
9. Degree, Mar 2022 – Aug 2022, GIS in Landscape Architecture, Lecture & Tutorial
10. Degree, Mar 2022 – Aug 2022, Landscape Architecture Drafting Techniques, Lecture & Tutorial
11. Degree, Oct 2021 – Feb 2022, Professional Practice, Lecture & Tutorial
12. Degree, Oct 2021 – Feb 2022, Regional Landscape Planning, Lecture & Tutorial
13. Degree, Oct 2021 – Feb 2022, GIS in Landscape Architecture, Lecture & Tutorial
14. Degree, Oct 2021 – Feb 2022, Landscape Drafting: Manual And CAD, Lecture & Tutorial
15. Degree, Mar 2021 – Aug 2021, Regional Landscape Planning, Lecture & Tutorial
16. Degree, Mar 2021 – Aug 2021, GIS in Landscape Architecture, Lecture & Tutorial
17. Degree, Mar 2021 – Aug 2021, Planting Design I, Lecture & Tutorial
18. Degree, Oct 2020 – Feb 2021, Regional Landscape Planning, Lecture & Tutorial
19. Degree, Oct 2020 – Feb 2021, GIS in Landscape Architecture, Lecture & Tutorial
20. Degree, Oct 2020 – Feb 2021, Landscape Drafting: Manual And CAD, Lecture & Tutorial
21. Degree, Mar 2020 – July 2020, Regional Landscape Planning, Lecture & Tutorial
22. Degree, Mar 2020 – July 2020, GIS in Landscape Architecture, Lecture & Tutorial
23. Degree, Mar 2020 – July 2020, Landscape Drafting: Manual And CAD, Lecture & Tutorial

## Student Supervision

### Bachelor Degree

1. Abdul Irfan Adli Bin Abdullah (2021124275), Synergizing the urban transit-oriented development of Kangar Bustop and reviving Sungai Perlis into a sustainable design for the liveable town of Kangar, Perlis., Mar 2023– Aug 2023, Degree, Main supervisor
2. Nurhazimah Irdina Khairulfizi (2019883372), Lagong Hill Forest Reserve's Ecological and Community Development Toward Environmental Resilience, Mar 2023 – Aug 2023, Degree, Main supervisor
3. Nurhazimah Irdina Khairulfizi (2019883372), Revitalizing Taman Jubli Emas as a royal recreational, Mar 2023 – Aug 2023, Degree, Main supervisor
4. Sharifah Nor Aliah Binti Syed Badrol Shah (2021117497), Rehabilitation of Teluk Batik for ecotourism at Lumut, Perak, Mar 2023 – Aug 2023, Degree, Main supervisor
5. Asmaniza Binti Nordin (2019591207), Public Open Space Taman Jubli Perak, Kedah, Oct 20221 – Feb 2023, Degree, Main supervisor
6. Muhammad Aqil Hafizuddin Bin Asmaddy (2019630912), Urban Design and Heritage at Ipoh Town , Ipoh , Perak, Oct 20221 – Feb 2023, Degree, Main supervisor
7. Nur Jannah Binti Mahmad Fodzi (2019591727), Reminiscing the significance of historical site at Kampung Tsunami, Kedah through an ecotourism approach, Oct 20221 – Feb 2023, Degree, Main supervisor

8. Wan Norazian Bt Mohamad Ramli (2018260022), Sustainable Geo Tourism: Bridging Geo Heritage and Culture through Natural Landscape Conservation, Mar 2022 – Aug 2022, Degree, Main supervisor
9. Nur Fathima Bt Mashuri (2019495528), Reclamation of Abandoned Mining Sites at Dengkil Selangor, Mar 2022 – Aug 2022, Degree, Main supervisor
10. Syed Qalis Bin Syed Harol Anuar (2020975029), Geopark Design: Ecological Approach for Sustainable Geo Heritage Tourism, Mar 2022 – Aug 2022, Degree, Main supervisor
11. Siti Nasuha Binti Abdul Halim (2019468068), Rejuvenate Tunku Recreational Park Seberang Jaya as Reminiscing memories the past to the present, Oct 2021 – Feb 2022, Degree, Main supervisor
12. Nur Farehah Binti Che Husin (2019461314), Promoting Taman Merdeka of Stadium Alor Setar Through Landscape Design Approach, Oct 2021 – Feb 2022, Degree, Main supervisor
13. Intan Nur Izzati Binti Mohd Noor (2019495576), Coastal Defense and Fishing Village Culture Revitalization – A Biomimicry-Led Approach, Coastal Tourism in Protecting Pantai Bersih's Shoreline and Fishing Community, Oct 2021 – Feb 2022, Degree, Main supervisor
14. Nurul Syafiqah Binti Mohd Rodzi (2019678514), Grey To Green: Transforming Sungai Petani Town to Community Livability Through Sustainable Design and Green Cities, Oct 2021 – Feb 2022, Degree, Main supervisor
15. Nor Mas Alyssa binti Nor Safri (2019530211), Landscape Rehabilitation of Gunung Lang as an Eco Tourism Park, Mar 2021 – Aug 2021, Degree, Main supervisor
16. Mohamed Firdaus bin Mohd Lotfi (2019717643), Developing Kota Marina Sea Shore as Coastal Waterfront with Practical Landscape Design for Tourism, Mar 2021 – Aug 2021, Degree, Main supervisor
17. Amira Zawani binti Mohd Rosli (2015162137), Recreating Taman Tasik Putra Kulim as Centre Park with Healthy Communities Design Approach, Mar 2021 – Aug 2021, Degree, Main supervisor
18. Adriana Batrisyia Binti Noor Azhar (2016806772), Reviving The Seafront Park As A New Iconic Waterfront Destination For Kedah, Oct 2020 – Feb 2021, Degree, Main supervisor
19. Mohamad Shazrul Akhmal Bin Sufian (2016328791), Rejuvenation Of The Historic Place Through Heritage Trails And Sustainable Design Approach, Oct 2020 – Feb 2021, Degree, Main supervisor
20. Siti Aisyah Binti Md Naser (2016535389), Restoration Of Pantai Merdeka 'S Natural Attraction Into A Historical Spot, Oct 2020 – Feb 2021, Degree, Main supervisor
21. Muhammad Shafiq Bin Mohd Fauzi (2017930883), Reclaiming the Anak Bukit History: Evoking the Past to Present Landscape of Kampung Alor Gunung and Nearby Castle as A Cultural Heritage Malay Hub, Mar – July 2020, Degree, Main supervisor
22. Siti Nur Aisyah Binti Md Isa (2016806704), Park as Green Infrastructure for Taman Mutiara Sg Kob Kulim Kedah, Mar – July 2020, Degree, Main supervisor
23. Syafiq Imran Bin Mohamad Nasir (2017328379), Revitalize & Developing Kampung Sempeneh, Batu Kurau as an Eco-Cultural Tourism Place Through Landscape Approach, Taiping, Mar – July 2020, Degree, Main supervisor
24. Akmal Bin Mohd Nur Izham (2016806666), Transforming Gua Kerbau, Kodiang And It's Vicinity As Geopark Through Sustainable And Ecological Approach, Mar – July 2020, Degree, Main supervisor

## **Publications**

### **Conference Paper**

**Zakaria, M. A.**, A. Latif, F. A. (2018). Recovery of the Geological Landscape as a Successful Geotourism Site in Gunung Keriang, Kedah by Implementing the Landscape Analytical Framework based on Ian McHarg Ecological Method. IFLA World Congress 2018, pp 1650.

### **General Publication**

Misni, A., **Zakaria, M. A.** (2020). Cadangan Projek Prototaip Peningkatan Ruang Komunal Di Pangsapuri Anggerik Fasa 3cd, Jalan Salak Tinggi 28/24, Taman Alam Megah, Seksyen 28, 40400 Shah Alam, Selangor. Bhgn Perumahan dan Kehidupan Bandar, Neg. Selangor

### **Indexed Publication**

Coast To Coast: Discovering Local Distinctiveness Of Marketplaces Identity In Peninsular Malaysia, 2022, JOURNAL, 19, 2, 84 – 93

### **Other Publication**

Retrofitting Makerspace: Unifying Outdoor-indoor Activities For Civic Engagement At Sentul Park, Kuala Lumpur, 2022, PROCEEDING, 1067, N/A, 1 – 7

The Seen And Unseen: Exploring Place Identity Of Market Place In Peninsular Malaysia, 2022, PROCEEDING, 1067, o, 1 – 8

Utilizing Gis In Identification Of Potential Soil Erosion Area Towards Safety Landscape Planning At Mukim Bandar, Selangor, 2022, PROCEEDING, N/A, N/A, 101 – 104

A Greenex Bay: Sustainable And Ecofriendly Farming At Kampung Sawah, Kuala Langat, Malaysia, 2022, PROCEEDING, N/A, N/A, 146 – 148

The Application Of Gis In Monitoring The Potential Of Flood Risk Area At Teluk Panglima Garang Towards Sustainable Landscape Development, 2022, PROCEEDING, N/A, N/A, 188 – 191

Regenerative Agriculture For Sustainable Landscape Planning In Kelanang, Kuala Langat, Malaysia, 2022, PROCEEDING, N/A, N/A, 192 – 195

Green Growth Strategy: Towards Sustainable Agriculture And Aquaculture Practices At Kampung Ayer Tawar, Mukim Bandar, Kuala Langat, Malaysia., 2022, PROCEEDING, N/A, N/A, 195 – 198

Gis As A Landscape Planning Tool For The Determination Of Flood-prone Areas In Kelanang, Selangor, 2022, PROCEEDING, N/A, N/A, 390 – 393

Covid- 19: Delineating The Shortest And Fastest Path To Increase The Accessibility Of Healthcare Center In Mukim Bandar, Kuala Langat, Selangor, 2022, PROCEEDING, N/A, N/A, 454 – 458

Interactive User Platform: Embedding Qr Trees System (smart Tree Mp Klang) For Details Information Of Trees In Klang Municipal Council, Malaysia., 2021, CHAPTER IN RESEARCH BOOK, N/A, N/A, 75 – 77

Laporan Anugerah Kualiti Naib Canselor (i-aknc) 2021 : Fakulti Senibina, Perancangan , 2021, MODULE/MANUAL, N/A, N/A, i - 208

Cadangan Projek Prototaip Peningkatan Ruang Komunal Di Pangsapuri Anggerik Fasa 3cd, Jalan Salak Tinggi 28/24, Taman Alam Megah, Seksyen 28, 40400 Shah Alam, Selangor, 2020, CASE STUDY/TECHNICAL REPORT, N/A, N/A, 1 – 33

Recovery Of The Geological Landscape As A Successful Geotourism Site In Gunung Keriang, Kedah By Implementing The Landscape Analytical Framework Based On Ian Mcharg Ecological Method., 2018, PROCEEDING, N/A, N/A, 1651 – 1669

## Research Grants and Contracts

1. Unmanned Aerial Vehicle (UAV) In Tree Risk Assessment For Hazard Identification Of Urban Hot Spots, 2022 - 2024, Myra Research Grant (GPM), Project Member, RM 20,000.00
2. Immersive Virtual Reality Technology In Landscape Architecture Pedagogy In Local Context Analysis Of Challenges And Opportunities, 2021 - 2023, Myra Research Grant (GPM), Project Member, RM 20,000.00
3. Raziah Ahmad, Mohamed Ikhwan Nasir Mohamed Anuar, Zainuddin Ab Rahman, **Muhammad Adam Zakaria**, and Jamalunlaili Abdullah. (2020/12/21- 2023/06/18). Socio Ecological Urbanism Resilience Planning for Campus Landscape. Grant LESTARI (Member), (RM20000). (600-RMC/MyRA5/3/LESTARI(055/2020)).

## Consultation & Expertise

1. UiTM Puncak Alam, UiTM Puncak Alam, Pelan Induk Landskap (Fasa 2), University, 1 Ogos 2020 – 28 Feb 2021, Landscape Architect
2. UiTM Puncak Alam, Hospital UiTM, Reka Bentuk Senibina Lanskap Sempena Projek Kerjasama Fakulti Dan Hospital UiTM, University, 1 Okt 2020 – 30 Sept 2021, Landscape Architect
3. Ahli Majlis Mesyuarat Kerajaan Negeri Selngor Darul Ehsan (Exco), Jawatankuasa Tetap Perumahan & Kehidupan Bandar, Projek Prototaip Peningkatan Landskap Ruang Komunal di Pangsapuri Kos Rendah Sekitar Selangor, State, Mac - June 2020, Landscape Architect

## Innovation, Commercialization & Entrepreneurial

1. Smart Tree MPKlang, The 19th International Expo on Inventions and Innovations 2020, **Silver Award**, International, 2020, Team Leader
2. Smart Tree MPKlang, Annual Productivity & Innovation Conference and Exposition (APIC) 2019, **Johan QE/5S**, National, 2019, Team Leader
3. Smart Tree MPKlang, , Annual Productivity & Innovation Conference and Exposition (APIC) 2019, **Top 10 Group QE/5S**, National, 2019, Team Leader
4. Smart Tree MPKlang, Konvensyen Team Excellence Peringkat Wilayah (RTEEx) 2019, **5 Stars Award**, Wilayah Pantai Timur, 2019, Team Leader
5. Smart Tree MPKlang, Mini KIK 2019, **Johan**, Majlis Perbandaran Klang, 2019, Team Leader
6. Smarty Public Art, Young International Inovation Exhibition (YIIX2017), **Johan**, International, 2016, Team Leader
7. Smarty Public Art, Medini Innovention Challenge 2016, **RM10,000 Winner**, International, 2016, Team Leader
8. Healing Wall & Portable Ergonomic Mural, Invention, innovation & Design Exposition (IIDEX2014), **Johan**, National, 2014, Team Leader
9. Healing Wall & Portable Ergonomic Mural, International Novel Research & Innovation Competition(NRIC2013), **Bronze Award**, National, 2013, Team Leader
10. Seni Kolaj di Mata Kami, 3R Collage, **Johan**, University, 2013, Team Leader

## Services & Administration

1. Ahli Jawatankuasa Kelestarian Kluster Setting & Infrastructure UiTM, Pejabat Pembangunan Infrastruktur & Infostruktur, Universiti Teknologi MARA, 1 April 2020 - 28 Februari 2022, University
2. Ahli Jawatankuasa Unit Perancangan Strategik, Fakulti Senibina, Perancangan & Ukur, 1 Okt 2020 - 31 Dis 2021, Faculty
3. Koordinator Persatuan Pelajar Senibina Landskap (SOLAR), 1 Mac 2020 – 28 Feb 2022, Centre Study
4. Ahli Jawatankuasa Utama Penyediaan Dokumen Pengiktirafan ILAM 2020, 1 Mac 2020 - 28 Feb 2022, Centre Study
5. Resource Person for LAS555 – Environmental Ethics, Centre of Studies for Landscape Architecture, 1 Oct 2020 - 30 Sept 2023, Centre Study
6. Resource Person for LAS674 – Professional Practice, Centre of Studies for Landscape Architecture, 1 Oct 2020 - 30 Sept 2023, Centre Study
7. Academic Advisor, Centre of Studies for Landscape Architecture, FSPU, UiTM, October 2020 – January 2021, Centre Study, Advising Students

## Work and Collaboration Experience

1. Ahli Jawatankuasa Majlis Anugerah Bandar Rendah Karbon, 29 Sept 2020, Majlis Perbandaran Klang
2. Asst. Landscape Architect, 2019 - 2020, Majlis Perbandaran Klang, Unit Kawalan Landskap
3. Landscape Architect, 2017 - 2019, LARZ Associates Sdn. Bhd, Landscape Architect

## Awards & Recognitions

1. Anugerah Ahli Akademik Harapan, Majlis Anugerah Kecemerlangan Fakulti(MAKEF2021), FSPU, 2020
2. Anugerah Seni & Kreativiti, Majlis Anugerah Kecemerlangan Fakulti(MAKEF2021), FSPU, 2020
3. Anugerah Inovasi Pengajaran & Pembelajaran, Majlis Anugerah Kecemerlangan Fakulti(MAKEF2021), FSPU, 2020
4. Anugerah Seni & Kreativiti, Majlis Anugerah Kecemerlangan Fakulti(MAKEF2020), FSPU, 2020
5. Open Distance Learning (ODL)- Undergraduate Design Base OER, Majlis Anugerah Kecemerlangan Fakulti(MAKEF2020), FSPU, 2020
6. Open Distance Learning (ODL)- Introductory Video, Majlis Anugerah Kecemerlangan Fakulti(MAKEF2020), FSPU, 2020
7. Anugerah Pelajaran DiRaja, Majlis Raja-Raja, Pingat Jaya Cemerlang, National, 2017
8. Excellence Academic Award, Institut Landskap Arkitek Malaysia (ILAM) – Malaysia Landscape Architects Award (MLAA) 2016
9. Vice Chancellor's Award, UiTM, University, 2017
10. Anugerah Siswazah Terbaik Fakulti Senibina, Perancangan & Ukur, UiTM, University, 2017
11. Anugerah Siswazah Terbaik Program Sarjana Muda Senibina Landskap, UiTM, University, 2017
12. Pelajar Terbaik Pusat Pengajian bagi sesi 2016/2017, Pusat Pengajian Senibina Landskap, Pusat Pengajian, 2017

## **Contribution to Society**

Projek Prototaip Peningkatan Landskap Ruang Komunal di Pangsapuri Kos Rendah Sekitar Selangor, Ahli Majlis Mesyuarat Kerajaan Negeri Selngor Darul Ehsan (Exco), Jawatankuasa Tetap Perumahan & Kehidupan Bandar, State, Mac - June 2020, Landscape Architect

## **Other Activities**

Speaker, Coffee Talk With Rozie Session 11, UiTM's Reason for Existence: Does it Matters?, 21<sup>st</sup> June 2021