

ABDUL RAUF BIN ABDUL RASAM (Gs. Ts. Dr. Assoc. Prof.)**Head of Research and Publication, Research Fellow**

Malaysia Institute of Transport (MITRANS)

Universiti Teknologi MARA

40450 Shah Alam, Selangor, Malaysia.

Associate Professor

Centre of Studies for Surveying Science and Geomatics

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**Research Fellow**

Environmental and Social Health Research Group

Health and Wellbeing Excellence Entities, UiTM

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Areas of Expertise

GIS Cartography and Mapping, Geospatial Modelling and Visualisation, Geomatics Innovation and Commercialization, GeoAI and GeoHealth, Spatial Epidemiology, Geomatics in Environment, Transport and Mobility

WoS (Publons):<https://www.webofscience.com/wos/author/record/2015810><https://publons.com/researcher/3686478/abdul-rauf-abdul-rasam/>**WoS ResearcherID (ORCID)** <https://orcid.org/0000-0001-8096-0260>**Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=39661147700>**Google Scholar:**<https://scholar.google.com.my/citations?user=dMMgRD9RarYC&hl=en>**Researchgate:**https://www.researchgate.net/profile/Abdul_Rauf_Abdul_Rasam**Linkedin:** <https://www.linkedin.com/in/abdul-rauf-abdul-rasam-786572346/>**KAB:**https://kab.uitm.edu.my/images/Staff/CV/SUG/PPSUG_CV_Abdul_Rauf_2022.pdf**UiTM Expert:**<https://expert.uitm.edu.my/V2/page-detail.php?id=ldOS2hH1nZ0XjfhG0PrdOAPQn3fobp1xh106n5TUqKc=>

Personal Information

Assoc. Prof. Ts. Gs. Dr. Abdul Rauf bin Abdul Rasam (270827),
Malaysia Institute of Transport (MITRANS)
Centre of Studies for Surveying Science and Geomatics,
College of Built Environment,
40450 Universiti Teknologi MARA, Shah Alam, Selangor Malaysia.

Academic Qualification

PhD in GIS (Geospatial Modelling and Geovisualisation), 2017, University of Science (USM) Malaysia
MSc in Built Environment (By Research-GIS & Remote Sensing), 2011, UiTM Malaysia
BSc in Surveying Science and Geomatics (Honours), 2006 UiTM Malaysia
Diploma in Geomatic Science (GIS), 2003, UiTM Malaysia

Professional Member

1. The Institution of Geospatial and Remote Sensing Malaysia (IGRSM), Main Committee, 2020-Present
2. Malaysia Board of Technologists (MBOT)- Member, Professional Technologist-2021-Present
3. Royal The International Journal of Geo-Information (ISPRS), Member, 2020-Present
4. Institution of Surveyors Malaysia (RISM), Member, 2011-2014
5. IEEE, Geoscience and Remote Sensing & Advanced Computer, Member, 2011-2013
6. Malaysia Board of Technologists (MBOT)- Member, Graduated Technologist-2020

Teaching and Learning

1. Master, 2021-Present, Geospatial Analysis and Modelling -Lecture, Tutorial and Laboratory (GIS/GES720)
2. Master, 2017-2018, Environmental GIS- Laboratory
3. Master, 2018, Geovisualisation- Laboratory
4. Degree, 2022-Present, Geospatial Innovation and Creativity (GSS659)
5. Degree, 2019-2020, Dissertation II, Coordinator (Lecture & Tutorial)
6. Degree, 2019-2020, Dissertation I, Coordinator (Lecture & Tutorial)
7. Degree, 2017-2023, Advanced Cartography, Lecture & Laboratory
8. Degree, 2021-2023, Innovative Cartography, Lecture & Laboratory
9. Degree, GLS 613- GIS 1 (2019)
10. Degree, SUG510 – Cartography (2011,2012)
11. Degree, SUG 554-GIS II (2010, 2011)
12. Degree, SUG556-Remote Sensing (2010)
13. Degree, SUG558-Advanced Engineering Surveying (2014)
14. Degree, SUG458-Engineering Surveying (2011)
15. Degree, SUG112-Cadastral Surveying (2010)
16. Degree, SUG113-Engineering Surveying (2010)
17. Degree, SUR 594- Remote Sensing (2010, 2012, 2013)
18. Degree, SUR343/ SUR328-Remote Sensing (2010)
19. Degree, PMG557-GIS in Park and Amenity Management (2013, 2014)
20. Degree, AAR 563- Engineering Surveying (2013)
21. Degree, PMG557-GIS in Park & Amenity Management (2011, 2012, 2013)

20. Degree, TRP418-GIS (2011, 2012)
21. Degree, ARK493-Land Surveying (2011, 2012, 2013, 2014)
22. Degree, BCM423-Land Surveying (2012)
23. Degree, MGT (Management)- 2018
24. Diploma, 2014-Present, Research Methodology for Transport Management and Enforcement (LTE329)
25. Others

Student Supervision (Postgraduate)

1. Saiful Anuar Bin Jaafar@Ibrahim, PhD, Main-Sv (Graduated)
2. Mohd Badrul Hafiz bin Che Omar, PhD, Main-Sv (On-Going)
3. Edzrie Shah Bin Shahrudin, PhD, Main-Sv (On-Going)
4. Mohamad Hafiz Bin A. Aziz, PhD, Main-Sv (On-Going)
5. Ramlan Abdullah, PhD, Co-Sv (Graduated)
6. Iznoorhakmal bin Ibrahim, PhD, Co-Sv (On-Going)
7. Mohd Ezamil bin Mazlan, PhD, Co-Sv (On-Going)
8. Siti Merianna binti Awang Rosppa, PhD, Co-Sv (On-Going)
9. Liu Liu, PhD, Main-Sv (On-Going)
10. Muhammad Jamaluddin bin Bazlan, MSc by Research, Co-Sv (Graduated)
11. Muhammad Naim Bin Ramli, MSc by Research, Main Sv (Graduated)
12. Ilham Bin Abdul Jalil, MSc by Research, Main Sv (Graduated)
13. Mohd Akram Bin Abd Moin, MSc by Research, Main-Sv (On-Going)
14. Muhammad Qahhar Zulqarnain Bin Dzulkifly, MSc by Research, Co-Sv (On-Going)
15. Muhammad Najmi Effendi Bin Abdul Aziz, MSc by Research, Co-Sv (On-Going)
16. Mohd Akram Bon Abd Moin, MSc by Research, Co-Sv (On-Going)
17. Noraqila Aiman binti Abu, MSc By Research, Main Sv
18. Azirah Hazwani binti Ahmad Daud, MSc By Research, Co- Sv
19. Al Humaimi Huriya Said Salim, (MSc in GIS), Main-Sv (Graduated)
20. Noor Adielia binti Abdul Wahab, (MSc in GIS), Sv (Graduated)
21. Siti Rohana Fazlina bt Kamarul Hisham, (MSc in GIS), Sv (Graduated)
22. Nurul Nabihan bt Dzulkifli (MSc in GIS), Main Sv (Graduated)
23. Mohamad Naim (MSc in GIS), Main Sv (Graduated)
24. Nur Nadia Natasha binti Mohd Zaini (MSc in GIS), Main Sv (Graduated)
25. M. Ridzuan Sapek (MSc in GIS), Main Sv
26. Noramira binti Monir (MSc in GIS), Main Sv
27. Rohafiza binti Md Darus (MSc in GIS), Main Sv (Graduated)
28. Nur Syaidatul Syuhada binti Ahmad Zuki (MSc in GIS), Main Sv (Graduated)
29. Mohd Faiz Bin Sharil (MSc in GIS), Main Sv (Graduated) –
Spatial Analysis of Commercial Area Distribution: A plot ratio study in Subang Jaya
30. Norazlin Bt Pamuji (MSc in GIS), Main Sv (Graduated) –
GIS Application for COVID-19 Hazard Map and Dashboard in Selangor
31. Ahmad Farid Bin Ab Aziz (MSc in GIS), Main Sv (Graduated)
Development of GIS-AR System for high-rise buildings in Shah Alam –A Comparative Analysis
32. Al.hajri Bashayar (MSc in GIS), Main Sv (Graduated) –
GIS Analysis for Road Accidents Hotspots & Patterns in Muscat, Oman
33. Muhammad Zikri bin Md Husin (MSc in GIS), Main Sv (Graduated)-

Development of a GIS-Based System to Monitor Pipeline Construction Projects in Kelantan

34. Nor Alia Syahira binti Saleh (MSc in GIS), Main Sv (Graduated) –
*Tsunami Risk Assessment Using Geographical Information System (GIS)-Based
Multi-Criteria Decision Techniques in Pulau Pinang Mainland*
35. Nurdiana Natasha Binti Ramlan (MSc in GIS), Main Sv (Graduated)
Spatial ARIMA Model of COVID-19 Cases and Vaccination Status in Peninsular Malaysia

Student Supervision (Undergraduate/Diploma) -

1. Gwenisha Mecallinus-Spatio-temporal Analysis of Malaria Hotspots in Sabah (2025)
2. Fauzi Al Insan Bin Mohamed Yunus- Spatial Analysis of Parking Issues in HUKM Cheras (2025)
3. Abdul Hafiz bin Abdul Halim- Parents ' Perception Towards The Safety Level of Cycling to School (2025)
4. Zal Aidi Bin Che Idrus - Jogging Route Map in Shah Alam (2022)
5. Serene Anak Joseph Goyang - E-Explore@Sri Aman Sarawak (2022)
6. Muhammad Ameerul Hakim Bin Mohd Amin - Enhancing Utilizing Mapping Design Using Cartographic Approach (2022)
7. Siti Nur Athirah Binti Nazarni - Mapping and analysis of the fire cases Pattern in Malaysia (2022)
8. Nur Nathasya Binti Mat Foad - Mapping and Analysis Of The Students' Living Cost In UiTM Shah Alam (2022)
9. Aienul Atieqah Amierah Binti Sabaruddin – Comparative analysis of Base Map Open-Source Capabilities for Thematic Mapping Production (2022)
10. Alice Iping Anak Dressa -Mapping and analysis of the divorce issues in Selangor (2022)
11. Masdiyana Hurin Binti Mohd Yusof - Spatial Analysis of COVID 19 cases in Seksyen 7 Shah Alam (2022)
12. Engku Muhammad Izharuddin Bin Engku Mohd Ridzuan - A Cartographic Evaluation of A COVID-19 Map Design Effectiveness Using ArcGIS Pro and Adobe Creative Cloud (2022)
13. Nur Aqilah Binti Sanidi (Co-Sv)- Spatio-Temporal Analysis of Dengue Cases In Petaling, Selangor (2022)
14. Nurul Aisyah Binti Zaisham (Co-Sv)- Crime hotspot analysis on Non-Resident Students Of Uitm Shah Alam Using GIS technique (2022)
15. Muhammad Amirul Shauqi Bin Mohamad Rafi (Co-SV) - Spatial Mapping and Analysis Of Deforestation Hotspot In Pahang Using Remote Sensing Technique (2022)
16. Siti Nurdiana Binti Ishak (Co-SV) - Spatial Analysis on Public Transportation Influence On Foreigner-Based Covid-19 In Kuala Lumpur (2022)
17. Abdul Wafi Bin Hilmin (Co-SV) - Application of Lidar for Landslide Risk Assessment In Hulu Langat, Selangor
18. Ahmad Zikri Bin Md Isa (Co-SV) - Designing an Awareness Map of Child Abduction In Shah Alam,

Selangor (2022)

19. Megat Hafiy Bin Noor Hasnizam (Co-SV) -Vehicle Theft Mapping and Analysis in Klang Valley Using Social Media Data (2022)
20. Ahmad Aiman Bin Ridzwan (Co-Sv) - Mapping of Terrorist Attack Hotspot In Sabah Using Cartographic Approach (2022)
21. Nurul Iffah Binti Mustapha - Mapping Cycling Pathways and Route effectiveness Using GIS and Cartography in Shah Alam (2022)
22. Syed Mohammad Asyraf Bin Syed Mohammad Anuar – Spatial Assessment of Sick Building Syndrome at CBE, UiTM Shah Alam (2022)
23. Erica Benya Anak Billy - Creation of Jogging Route Map Using GIS and Cartography In Miri, Sarawak. (2021)
24. Intan Maisarah Binti Hashim- Cultural Heritage Mapping in Selangor Using Crowdsourcing and Cartography Approach (2021)
25. Nurezni Binti Suhaimi - Estimation of Shoreline and Land Cover Changes in Terengganu Using Digital Shoreline Analysis System (DSAS) (2021)
26. Siti Normaisara Binti Abdul Halim - Urban Poverty Mapping in Selangor Using High Resolution Satellite Imagery and Machine Learning Approaches (2021)
27. Nur Nazira Binti Musa - The Spatial Analysis of Covid-19 Movement Control Order (MCO) On Air Quality Pattern in Malaysia, 2019-2020 (2021)
28. Nurul Aqilah Binti Mohd Som - Impact of Coastal Flood on Land Use/Land Cover for The Past 10 Years in Terengganu Using GIS and Remote Sensing Technique (2021)
29. Harith Najmi Bin Abd Rashid - Landslide Susceptibility Mapping and Assessment Using GIS-Based Statistical Models: A Comparative Study in Ampang and Kota Kinabalu (2021)
30. Nur Syuhadah Binti Mohammad (Co-Sv) - Mapping and spatial pattern analysis of COVID-19 in Malaysia using GIS application (2021)
31. Dorisin Binti Mardie (Co-Sv) - GIS-Based Route Planning during Landslide from Pitas to Ranau, Sabah (2021)
32. Sherrylyn Schinie Anak Jilong (Co-Sv) -Development of Web Mapping System for Tourism Attractive Places In Bintulu, Sarawak (2021)
33. Fedeline Lowenda Anak Roginal (Co-Sv) - Application of Mobile Augmented Reality (MAR) for Urban Heritage Tourism in Sarawak (2021)
34. Vera Taileh (Co-Sv) - Path Analysis for Alternative Safe Route Access During Flood in Kota Marudu to Kota Kinabalu, Sabah
35. Faizatul Natrah Binti Abdul Rahim, a Comparative Study Of Cartography Open Source Software For Creating Thematic Maps (2021)
36. Izza Fatimi Binti Izman - Spatial Assessment of Lifestyle Risk Factors of High Tuberculosis Transmission in Shah Alam (2021)
37. Ahmad Farid Bin Ab Aziz -Development of an Augmented Reality 3D GIS Map of UiTM Shah Alam using Open sources (2021)
38. Muhammad Harizzul Ikmal Bin Roslan -Spatial Impact of Urban Land Use Changes On Tuberculosis Cases

In Shah Alam (2021)

39. Muhammad Affin Bin Rosmadi- Mining Social Media Data for Detecting and Tracking TB Disease Outbreaks (2020)
40. Nor Aliaa Binti Mohamad Halim- Community service mapping system for PWD in UiTM Shah Alam (2020)
41. Mohd Nafiq-Real Time mapping of Covid-19 Pandemics (2020)
42. The effect of human mobility on the COVID-19 epidemic in Malaysia (2020)
43. Intan Noor Aifatika Bt Norfildaos - Studentcare.Apps: A Geomobile Application for Student Counselling Services In Uitm Shah Alam (2020)
44. Muhammad Faezwan Bin Omar- Electronic Health (E-Health) Map Atlas In Selangor (2020)
45. Farah Ilyana Bt Hairuddin- Integration of Augmented Reality And 3D Visualization For Strata Management Scheme (2020)
46. Muhhammad Najmuddin Bin Mohd Izra' - Volume Estimation Of 3D Quarry Area Changes Using Arcgis, Pix4d and Agisoft (2020)
47. Nur Najiha binti Abd Aziz- Spatial Analysis of Dynamic Mobile Network Signal Strength in Uitm Shah Alam (2020)
48. Sakinah Anisah Khairulannuar- Multimedia Web-Based Mapping System for Volunteer Programme in Malaysia (2020)
49. Nur Syaidatul Syuhada Binti Ahmad Zuki- Geo-Enabling the Disease Monitoring System in A Rural Community Using ArcGIS Platforms (2020)
50. Wan Nur Syahirah Bt Jumali - Site Suitability of Blood Cockle Farming Using Gis and Fuzzy Mcdm Approach (2020)
51. Syazwani Binti Ab Razak- Mapping Dengue Risk In Selangor Using Crowdsourcing And OpenGeospatial Data (2020)
52. Nurzalina Idayu (Co-Sv) -Mobile Apps for food hunting based on crowdsourcing data (2020)
53. Nurshuhada Aniza (Co-Sv) -Spatial Analysis of TB Cases in Kuala Lumpur (2020)
54. Muhammed Aiman Haffiz Bin Mohamad- Development of Spatial Liveable City Index in Shah Alam, Selangor (2019).
55. Nur Auni Suraya Binti A. Rahim - Qr Code Supported GIS Web-Based System for Facility DamageReport In Fspu, UTM (2019)
56. Baqir Bin Abdul Basir Assessment of Free Software for Web-Based Multimedia Cartography (2019)
57. Nor Fatiha Binti Mohammad Rosdi- Spatial Variation of Urban Air Pollution Variables in Shah Alam (2019)
58. Muhammad Ashrul Bin Mohd Zubir - Mapping Potential Areas of Wind Farm in Selangor Using GIS MCDM Techniques (2019)
59. Nur Aimie Binti Ridzuan - Spatial Effects of Lifestyle Factors on Airborne Diseases In Shah Alam,Selangor (2019)
60. Ahmad Fakhrulidham Bin Zakaria - Spatial Correlation Between Tuberculosis Cases and Environmental Risk Factors Using GIS and Remote Sensing Techniques (2019)
61. Daniel Bin Abdul Halim- Development of an E-Smart Learning System Of Cartography (2019)
62. Mohammad Safwan Bin Mohammad Sabli - Creative Maps: A Comparative Analysis Of Map Creation

Using ArcGIS Desktop And Adobe Creative Cloud (2019)

63. Athanasius Anak Sumping- Mapping and Spatial Analysis of Immigrant Population Pattern In Shah Alam
64. Nazrin Bin Jiro- Exploring Free and Open Cartographic Data Sources for Automatic Tourism Map Generation (2019)
65. Noramira Binti Monir - Evaluation of Geocoding Tools and Methods For Disease Mapping (2019)
66. Nurin Syarafina Binti Mohd Hasmizi (Co-Sv) - Geoweb-Based System and Geomobile Application of Mosques Discoveries In Kuala Lumpur (2019)
67. Nurul Aien Binti Mohd Azam (Co-Sv) - Spatial Analysis Of Oil Palm Changes Using Different Classification Techniques (2019)
68. Muhammad Najwan Bin Kamarulzaman (Co-Sv) -Design and Development of Geomobile Apps for Determining Qiblat Direction In Malaysia (2019)
69. Nur Hidayati Binti Mohd Ramli (Co-Sv) -GIS Web-Based System and Mobile Application for Hiking Exploration In Selangor (2019)
70. Norfitriah Syazwani Binti Said (Co-Sv) -Analysing Urbanization on Spatial Dynamic of Lst In Selangor
71. Amar Johan Haq Bin Fazil (Co-Sv) -GIS Service Area Analysis for Time Taken by Emergency Response Team Along LRT3 Track (2019)
72. Norsyuhada Binti Azlan (Co-Sv) -The Impact of Urbanization on Forest Degradation in Selangor Using Different Remote Sensing Techniques (2019)
73. Nurazreen Binti Nordin (Co-Sv) -Spatial Analysis of Urban Growth in Selangor (2019)

Publication (2025)

1. LM Jaelani, DS Safitri, NE Kristian, AN Alina, MA Syariz, H Sanjaya, **ARA Rasam** (2025). Mapping Mangrove Species Distribution and Density Using Sentinel-2 Satellite Imagery and Spectral Analysis. Journal of Human, Earth, and Future 6 (1), 1-11 **{Scopus Journal}**
2. NN Ghazali, NM Saraf, **ARA Rasam**, AN Othman, SA Salleh, NM Saad (2025). Forest Fire Severity Level Using dNBR Spectral Index. Revue Internationale de Geomatique 34 (1), 89-101 **{Scopus Journal}**
3. AN Othman, O A'imullah Idris, N Hashim, **AR Abdul Rasam**, A Abd Hamid (2025). GIS-based Analytical Hierarchical Process for Ecotourism Site Suitability Assessment. Built Environment Journal 22 (1), 29-42 **{MyCite Journal}**

Publication (2024)

4. MA Abd Hamid, NM Saraf, MH Razali, **ARA Rasam**, AHA Jalil (2024). Precise Evaluation Of 3d Building Interior Using Smartphone Lidar and TLS. International Journal of Sustainable Tropical Design Research & Practice 17 (2) **{Scopus Journal}**
5. B Alhajri, **ARA Rasam**, NF Tarudin, N Khalid, D Alshukaili (2024). Spatial Analysis of Road Traffic Accident Hotspots And Patterns In Muscat, Oman: An Exploratory Risk Management Assessment. PLANNING MALAYSIA 22 **{Scopus Journal}**

- 6.SA Jaafar, **ARA Rasam**, ESSM Sadek, NM Diah (2024). The Role of Geospatial Artificial Intelligence (GeoAI) In Smart Built Environment Mapping: Automatic Object Detection of Raster Topographic Maps In Malaysia. PLANNING MALAYSIA 22 {Scopus Journal}
- 7.AA Adlan, NF Tarudin, **ARA Rasam**, MIM Badrillah (2024). Planning and Implementing Solutions to Overcome Storage Challenges in Cocoa Bean Warehousing: A Case Study. International Journal of Business and Technology Management 6 (S1), 339-349 (ERA Journal)
8. SNB Abdullah, EMA Zawawi, **ARA Rasam**, NM Salleh (2024). Spatial environmental impact of the LRT3 development project: A perception study in Seksyen 7 Shah Alam. Planning Malaysia 22. {Scopus Journal}
- 9.SA Jaafar, **ARA Rasam**, NM Diah (2024). Evaluating Convolutional Neural Network Architecture for Historical Topographic Hardcopy Maps Analysis: A Study on Training and Validation Accuracy Variation. Pertanika Journal of Science & Technology 32 (6), 2609-2629 {Scopus/WoS Journal}
- 10.SMASM Anuar, **ARA Rasam**, N Kamarul, MM Bahrain, J Abdullah, (2024). SPATIAL RISK ASSESSMENT OF SICK BUILDING SYNDROME IN A UNIVERSITY SPACE: A GIS-BASED PHYSICAL CONTEXT MAPPING APPROACH. MALAYSIAN CONSTRUCTION RESEARCH JOURNAL (MCRJ), 163{Scopus Journal}
- 11.Aznoor, Siti Ayu, **ARA Rasam** (2024). Smart GIS Applications for Enhancing Green Port Practices in Malaysian Seaports: A Proposed Conceptual Framework, Journal of Transport and Logistics. (MyCite)

Publication (2023)

- 12.MSM Rasu, HF Suhandri, NA Khalifa, **ARA Rasam**, A Hamid (2023). Evaluation of Flood Risk Map Development through GIS-Based Multi-Criteria Decision Analysis in Maran District, Pahang-Malaysia, International Journal of Geoinformatics 19 (10), 1-16 {Scopus Journal}
13. **ARA Rasam**, V Taileh, S Lin, NA Adnan, R Ghazali (2023) Integrating spatial cost path and multi-criteria analysis for finding alternative routes during flooding. Planning Malaysia 21 {Scopus Journal}
- 14.**ARA Rasam**, D Mardie, MSM Said, N Hashim, R Ghazali (2023). Landslide Susceptibility Index and Network Mapping for Spotting the Affected and Alternative Planning Routes. PLANNING MALAYSIA 21 {Scopus Journal}
- 15.MI Masbiha, I Nor Atiah, **AR Abdul Rasam**, T Mohd Zulhaili (2023). Landscape Characterization using GIS-Based Landscape Character Assessment in Hulu Langat District, Malaysia. Geografia-Malaysian Journal of Society and Space (GMJSS) 19 (3), 17-33 {WoS/Scopus Journal}
- 16.FL Roginal, **ARA Rasam**, R Ghazali, SA Jaafar (2023). Geovisualising 3D Cultural Heritage Building for Urban Tourism Via Mobile Augmented Reality Application. Journal of Information and Knowledge Management (JIKM) 13 (2), 79-90 {MyCite Journal}
- 17.SS Jilong, **ARA Rasam**, R Ghazali, SA Jaafar, FDS Bahry (2023). Development of a Web Mapping System for Tourism Attractive Places in Bintulu, Sarawak. Journal of Information and Knowledge Management (JIKM) 13 (2), 92-105 {MyCite Journal}
- 18.NA Adnan, ZA Mahadzir, H Hashim, ZM Yusoff, **ARA Rasam**, ES Mokhtar (2023). Road accessibility and

- safety analysis in gated and non-gated housing communities. Planning Malaysia 21 {Scopus Journal}
- 19.** S Lin, S Mathew, **ARA Rasam** (2023). TRANSMISSION SUITABILITY ROUTE MAP USING THE LEAST COST PATH ANALYSIS (LCPA). PLANNING MALAYSIA 21 {Scopus Journal}
- 20.** **ARA Rasam**, WNS Jumali, IA Jalil, LM Jaelani (2023). Susceptibility Risk Index Mapping of Population at Tuberculosis Epidemic Risk. Journal of ASIAN Behavioural Studies 8 (24), 53-65. {MyCite Journal}

Publication (2022)

- 21.** MAM Zubir, SA Jaafar, **ARA Rasam**, ZM Yusoff, IC Hashim (2022), Identifying the Optimal Placement Of Spatial Wind Energy Farms In Selangor, Malaysia, Planning Malaysia, {Scopus Journal}
- 22.** ZM Yusoff, IS Aziz, N Naharudin, **ARA Rasam**, OHL Ling (2022), Mobility and Proximity Coefficient to High-Traffic Volume in Daily School Operations, Planning Malaysia, {Scopus Journal}
- 23.** SFA Sanusi, FA Shafie, SRM Yatim, **AR Abdul Rasam**, TL Kek, OLH Leh (2022), The Association of Urban Lifestyle with Respiratory Illness in Petaling District, Selangor, Malaysia, Malaysian Journal of Medicine and Health Sciences 18 (SUPP8), 132-141 {Scopus Journal}
- 24.** Saiful, **ARA Rasam**, AA Mohamad (2022), Smart Hardcopy Mapping Products Practices in University Records Management Program: The Ideal Criteria and Procedures for UiTM Library Archive, Global Business & Management Research 14 (1) {ERA Journal}
- 25.** **ARA Rasam**, SN Fazli, FA Shafie, J Abdullah, MH Ghazali (2022), COVID-19 Pandemic in Urban Environment and Household Population: An Exploratory Spatial Risk Analysis in Selangor, Malaysia, International Journal of Real Estate Studies 16 (S1), 1-15 {MyCite Journal}
- 26.** NNNM Zaini, **ARA Rasam**, CB Ahmad (2022), Socio-Economic Characteristics of Urban Tuberculosis Areas in Petaling, Selangor: A Current Spatial Exploratory Scenario, IOP Conference Series: Earth and Environmental Science 1067 (1), 012041 {Scopus Proceeding}
- 27.** CB Ahmad, J Abdullah, R Idris, **ARA Rasam**, AA Mustapha, T Kavzoglu (2022), Spatial Land Use and Land Cover (LULC) Changes for A Sustainable Biodiversity Conservation: Factors for Potential Implementation of Buffer Zone for FRIM Natural Heritage Site, IOP Conference Series: Earth and Environmental Science 1067 (1), 012015 {Scopus Proceeding}
- 28.** NM Saraf, MF Lokman, **ARA Rasam**, N Hashim (2022), Assessment of urban growth changes in Klang District using Support Vector Machine by different kernel, IOP Conference Series: Earth and Environmental Science 1051 (1), 012023 {Scopus Proceeding}

Publication (2021)

- 29.** Monir, N., **Abdul Rasam, A.**, Ghazali, R., Suhandri, H., & Cahyono, A. (2021). Address Geocoding Services in Geospatial-based Epidemiological Analysis: A Comparative Reliability for Domestic Disease Mapping. International Journal of Geoinformatics, 17(5), 156–166. {Scopus Journal}

30. Wan HairRidzuan, N., **Abdul Rasam, A.**, Isa, M., & Shafie, F. (2021). Spatial Interaction between Lifestyles and Tuberculosis: An Expert and Public Participatory GIS in Malaysia. *International Journal of Geoinformatics*, 17(5), 178–192i **{Scopus Journal}**
31. Wan Mahsin1, **Abdul Rauf Abdul Rasam1***, Noraain Mohamed Saraf1 and Nafisah Khalid1 (2021). Free and open GIS source software for spatial epidemiology and geospatial health in Malaysia: a comparative analysis of the software usability, *International Journal of Advanced Technology and Engineering Exploration*, Vol 8(78). <http://dx.doi.org/10.19101/IJATEE.2020.762192>. **{Scopus Journal}**
32. **Abdul Rauf Abdul Rasam1, 2***, Nur Syaidatul Syuhada Ahmad Zuki1, Nurhafiza Md Saad1 and Rosmadi Ghazali1 (2021). Geospatial infrastructure solutions for local government sectors: geo-enabling infectious disease monitoring system in state health departments. *International Journal of Advanced Technology and Engineering Exploration*, Vol. 78). <http://dx.doi.org/10.19101/IJATEE.2020.762193> **{Scopus Journal}**
33. Muhammad Affin Rosmadi1, **Abdul Rauf Abdul Rasam1**, Hafiszah Ismail2 Mohamad Sufian Hasim3, Faridah Muhamad Halil4, Rosmadi Ghazali1 (2021). Mobile Health Applications and Disease Hotspot Tracking System: A Proposed Spatial Assessment Tool for Tuberculosis Contact Tracing In Malaysia. *Turkish Journal of Physiotherapy and Rehabilitation*; 32(2). **{WoS & Scopus Journal}**
34. Mohd Badrul Hafiz Che Omar, Rufaizal Che Mamat, **Abdul Rauf Abdul Rasam**, Azuin Ramli and Abd Manan Samad (2021). Artificial intelligence application for predicting slope stability on soft ground: a comparative study. *International Journal of Advanced Technology and Engineering Exploration*, Vol 8(75). 362-370. DOI:10.19101/IJATEE.2020.762139 **{Scopus Journal}**
35. **Rasam, A. R. A.**, Khairulannuar, S. A., & Nawli, R. M. (2021). An Innovative Humanitarian Activities Mapping in Malaysia. *International Journal of Academic Research in Business and Social Sciences*, 11(6), 1293–1306. **{ERA Journal}**
36. Julit, H., Khalid, N., **Rasam, A.R.A.**, Razali, M.H. and Halim, M.A. (2021). Spatial-Temporal Analysis of Air Pollutant Concentrations in Relation to Land Use and School Environment. *Alinteri Journal of Agriculture Sciences*, 36(1): 568-582. doi: 10.47059/alinteri/V36I1/AJAS21080 **{WoS Journal}**
37. Ilham and **Rasam, A. R. A.** (2021). Disease Risk Mapping of Tuberculosis Hotspots In Klang: Where And Why The Areas Can Be At High Risk Of Infection? *Malaysian Journal of Remote Sensing & GIS*, 64 **{MyCite/MyJurnal}**
38. Nizron & **Rasam, A. R. A.** (2021) Free Online Cartographic Tools for Automatic Map Generation: An Exploratory Study On Tourists Geovisualization - *Malaysian Journal of Remote Sensing & GIS*, 52 **{MyCite/MyJurnal}**
39. Norahfiza & **Rasam, A. R. A** (2021) Correspondence Between Drug Addict Mapping and Crime Activities Distribution- *Malaysian Journal of Remote Sensing & GIS* **{MyCite/MyJurnal}**
40. A Sumping and **A R Abdul Rasam** and N A Adnan and N Md Saad. (2021). Mapping Immigrant Populations: A GIS-Based Public Perception Exploratory Analysis. *IOP Conf. Ser...: Earth Environ. Sci.* 620 012018. <https://doi.org/10.1088/1755-1315/620/1/012018> **{Scopus Proceeding}**
41. NA Adnan, RMA Idzdihar, FA Mohd, **ARA Rasam**, ES Mokhtar (2021) Geospatial Analysis of Coastline Erosion Along Pulau Tuba, Langkawi. *IOP Conference Series: Earth and Environmental Science* 620 (1), 012017**{Scopus Proceeding}**
42. SN Bohari, AU Amran, NAM Zaki, MS Suhaimi, **ARA Rasam** (2021). Accuracy Assessment of Detecting

- Cracks on Concrete Wall at Different Distances using Unmanned Autonomous Vehicle (UAV) Images. IOP Conference Series: Earth and Environmental Science 620 (1), 012005{**Scopus Proceeding**}
- 43.** N Saad, NA Bahari, N Talib, NAM Zaki, **ARA Rasam** (2021) Landslide Hazard Analysis using Landsat-8 OLI and AHP Technique in Tanjung Bungah, Penang IOP Conference Series: Earth and Environmental Science 767 (1), 012023 {**Scopus Proceeding**}
- 44.** JCM Zaini, NM Saraf, N Naharudin, **ARA Rasam**, N Hashim (2021) Identifying Suitable Areas for Plantation of Organic Products Using GIS and AHP IOP Conference Series: Earth and Environmental Science 767 (1), 012009] {**Scopus Proceeding**}
- 45.** R Ghazali, MH Razali, MNA Ghani, **ARA Rasam** (2021) Evaluating the Distance Impact to the Scanning Topographic Object with the 3D Point Cloud Resolution IOP Conference Series: Earth and Environmental Science 767 (1), 012030{**Scopus Proceeding**}
- 46.** A Arifin, NA Adnan, **ARA Rasam** (2021) Multi-sensor Assessment of Geological Lineament Detection IOP Conference Series: Earth and Environmental Science 767 (1), 012014] {**Scopus Proceeding**}
- 47.** SN Sha'aban, **ARA Rasam**, A Asmat (2021) A 3D GIS mapping for landscape geovisualisation and park management: A case study in Kuala Keniam Station, Taman Negara Malaysia IOP Conference Series: Earth and Environmental Science 685 (1), 012010 {**Scopus Proceeding**}

Publication (2020)

- 48. Abdul Rauf Abdul Rasam**, Noresah Mohd Shariff, Jiloris F. Dony, 2020, Geographical Information System And Geostatistical Modelling Approach For Spatial Risk Assessment Of Tuberculosis Dynamics, Test Engineering and Management, 82 (January-February 2020): {**Scopus Journal**}
- 49.** Muhammad Jamaluddin Bazlan, **Abdul Rauf Abdul Rasam**, Rosmadi Ghazali, 2020, Web-Based Augmented Reality Mobile GIS for Disease Prevention and Control Programme, Test Engineering and Management, 82 (January-February 2020): 12018 -12028 {**Scopus Journal**}
- 50. Abdul Rauf Abdul Rasam**, Noresah Mohd Shariff, Jiloris F. Dony, Dasimah Bt Haji Omar, 2019 (published in May 2020), Sociospatial Risk Assessment of Human-environment- Tuberculosis Interactions In Rural-urban Settings, Malaysian Construction Research Journal (MCRJ), MCRJ Special Issue, 8 (3), 177 -187. {**Scopus Elsevier Journal**}
- 51.** Alamah Misni; Nur Munira Razmi; Puziah Ahmad; Siti Mazwin Kamaruddin; **Abdul Rauf Abdul Rasam**; Rohaniah Mohd nor (2020). Applying low-carbon landscapes at the Premier Polytechnic of Sultan Salahuddin Abdul Aziz Shah, Shah Alam, Malaysia. International Journal of Environment and Sustainable Development (IJESD), Vol. 19, No. 3, DOI: 10.1504/IJESD.2020.108160 {**Scopus Journal**}
- 52. Abdul Rasam, A. R.**, Mohd Shariff, N., Dony, J. ., & Ling, O. H. L. (2020). Local Spatial Knowledge for Eliciting Risk Factors and Disease Mapping of Tuberculosis Epidemics. Environment-Behaviour Proceedings Journal, 5(SI2), 45-51. <https://doi.org/10.21834/ebpj.v5iSI2.2522> {**WoS Proceedings Journal**}
- 53. Abdul Rasam, A. R.**, Mohd Shariff, N. ., & Dony, J. (2020). The Invention of Geospatial Decision Support System for Malaysian Tuberculosis Surveillance Data Management. Environment-Behaviour Proceedings Journal, 5(SI3), 269-274. <https://doi.org/10.21834/ebpj.v5iSI3.2564> {**WoS Proceedings Journal**}

54. Mohamad Sufian Hasim, Ahmad Sharim Abdullah, **Abdul Rauf Abdul Rasam**, Hafiszah Ismail (2020), Environment-Behaviour Proceedings Journal, Asian Journal of Behavioural Studies, 5 (18), Tp://Dx.Doi.Org/10.21834/Ajbes.V5i18.188 {**Journal**}
55. Mohamad Sufian Hasim, Ahmad Sharim Abdullah, **Abdul Rauf Abdul Rasam**, Hafiszah Ismail (2020), The Adoption of Sustainable Facilities Management Practices in Organisations: A study of Malaysian universities, Environment-Behaviour Proceedings Journal, 5 (13), pp 299-305. {**WoS Proceedings Journal**}
56. **Abdul Rauf Abdul Rasam**, Azri Haziq Azlin, Ahmad Norhisyam Idris, Noraqila Aiman Abu, Nurmilah Romeyu, 2019, Mobile Gis Applications For People With Disabilities Healthcare Services (aplikasi Mudah Alih Sistem Maklumat Geografi Bagi Penjagaan Kesihatan Orang Kurang Upaya), Jurnal Inovasi Malaysia (JURIM) ,0,0,1-14 {**MyCite Journal**}
57. E-Mosque Tourism: Discovering Mosques via Geodigital Mapping in Kuala Lumpur, Malaysia, NSM Hasmizi, **ARA Rasam**, NM Saraf (2020). Charting the Sustainable Future of ASEAN in Science (**Springer Chapter in Book, Scopus**)
58. Disease Mapping and Health Analysis Using Free and Open-Source Software for Geospatial (FOSS4G): An Exploratory Qualitative Study of Tuberculosis, MDH Azewan, **ARA Rasam** (2020), Charting the Sustainable Future of ASEAN in Science and Technology, 495-506 (**Springer Chapter in Book, Scopus**)
59. GeoPark Management and GIS: Geospatial Tree Information Inventory System H Othman, **ARA Rasam**, NJaini (2020), Charting the Sustainable Future of ASEAN in Science and Technology, 553-567 (**Springer Chapter in Book, Scopus**)
60. The Potential Area Estimation for Solar Installation Based on Insolation Pattern Derived from LiDAR Points Cloud Data, NM Saad, MKAM Shukair, NM Saraf, JRA Hamid, N Talib, **ARA Rasam**, Charting the Sustainable Future of ASEAN in Science and Technology, 335-350 (**Springer Chapter in Book, Scopus**)
61. The Impacts of Different Types of Slopes on Soil Fertility Movement of Harumanis Mango, SN Bohari, CARC Romeli, N Ahmad, AI Azmi, NAM Zaki, **ARA Rasam**, Charting the Sustainable Future of ASEAN in Science and Technology, 23-35 (**Springer Chapter in Book, Scopus**)
62. Data Verification of LiDAR-Derived DEM from Different Interpolation Techniques, NM Saraf, KN Kamarolzaman, NM Saad, N Khalid, **ARA Rasam**, Charting the Sustainable Future of ASEAN in Science and Technology, 361-375 (**Springer Chapter in Book, Scopus**)
63. GIS and Mapping Mobile Application for Local Food Finder in Shah Alam, Selangor NI Ismail, NM Saraf, **ARA Rasam**, 2020 IEEE 10th International Conference on System Engineering and Technology (**IEEE Scopus Proceeding**)
64. Spatial Mapping and Analysis of Tuberculosis Cases in Kuala Lumpur, Malaysia NA Rajab, N Hashim, **ARA Rasam**, 2020 IEEE 10th International Conference on System Engineering and Technology (**IEEE Scopus Proceeding**)
65. Identification of Groundwater Potential Zones in Langkawi through Remote Sensing and Geographic Information System (GIS) Techniques NMMN Sing, MA Halim, NI Hashim, N Hashim, N Nahrudin, **ARA Rasam**. 2020 IEEE 10th International Conference on System Engineering and Technology (**IEEE Scopus Proceeding**)
66. Susceptibility Risk Index of Tuberculosis Epidemics in Klang, Selangor. Wan NorSyahirah Jumalim, Ilham Bin Abdul Jalil, **Abdul Rauf Abdul Rasam**, 2020, susceptibility risk index of tuberculosis epidemics in klang, Selangor {**Scopus Proceeding**}

- 67.**An Innovative Humanitarian Activities Mapping In Malaysia, Sakinah Anisah Khairulannuar, **Abdul Rauf Abdul Rasam**, 2020, an innovative humanitarian activities mapping in Malaysia {**Scopus Proceeding**}
- 68.**Understanding Lifestyle Risk Status of Tuberculosis in a Small Urban Community Using Geospatial-Epidemic Data Analysis. **Abdul Rauf Abdul Rasam**, Nur Aimie Binti Ridzuan, 2020, understanding lifestyle risk status of tuberculosis in a small urban community using geospatial- epidemic data analysis{ **Scopus Proceeding**}
- 69.**Address Geocoding Tools for Disease Mapping Using Free And Open Online Services: An Exploratory Comparative Case Study In Malaysia. Noramira Monir, **Abdul Rauf Abdul Rasam**, 2020, address geocoding tools for disease mapping using free and open online services: an exploratory comparative case study in Malaysia {**Scopus Proceeding**}
- 70.** E-sport System: A Web-based Multimedia Cartography for Electronic Sport Using Free Open-Source Software. Baqir Abdul Basir, **Abdul Rauf Abdul Rasam**, Ahmad Norhisyam Idris, 2020, e-sport system: a web-based multimedia cartography for electronic sport using free open source software {**Scopus Proceeding**}
- 71.** GIS Web-based System and Mobile Application for Hiking Exploration in Selangor. Nur Hidayati Mohd Ramlim, **Abdul Rauf Abdul Rasam**, Noraain Mohamed Saraf, Maisarah Binti Abdul Halim, 2020, GIS web-based system and mobile application for hiking exploration in Selangor { **Scopus Proceeding**}
- 72.** Towards Automated Digitization of Cartographic Paper Maps: Issues, Challenges and Potentials In Malaysian Archives. Saiful Anuar Jaafar@ibrahim, **Abdul Rauf Abdul Rasam**, 2020, Towards Automated Digitization of cartographic paper maps: Issues, Challenges and Potentials in malaysia archives {**Scopus Proceeding**}
- 73.** Towards A 3d Cadastre Augmented Reality in Malaysia, Farah Ilyana Hairuddin, **Abdul Rauf Abdul Rasam**, Mohamad Hezri Bin Razali, 2020, Towards a 3d Cadastre Augmented Reality in malaysiaKk
- 74.** Disease Risk Mapping of Tuberculosis Hotspots In Klang: Where And Why The Areas Can Be At High Risk Of Infection' {**Scopus Proceeding**}
- 75.** Ilham Abdul Jalil, **Abdul Rauf Abdul Rasam**, 2020, disease risk mapping of tuberculosis hotspots in Klang: where and why the areas can be at high risk of infection' {**Scopus Proceeding**}
- 76.** Free Online Cartographic Tools for Automatic Map Generation: An Exploratory Study On Tourists' Geovisualization. Nazrin Jiro, **Abdul Rauf Abdul Rasam**, Sharifah Norashikin Binti Bohari, 2020, free online cartographic tools for automatic map generation: an exploratory study on tourists' geovisualization {**Proceeding**}
- 77.** Free Online Cartographic Tools for Automatic Map Generation: An Exploratory Study On Tourists' Geovisualization. Nazrin Jiro, **Abdul Rauf Abdul Rasam**, Sharifah Norashikin Binti Bohari, 2020, free online cartographic tools for automatic map generation: an exploratory study on tourists' geovisualization {**Proceeding**}
- 78.** Mapping Immigrant Populations: A GIS-based Public Perception Exploratory Analysis. Athanasius Sumping, **Abdul Rauf Abdul Rasam**, Nor Aizam Adnan, Nurhafiza Bt Md Saad, 2020, mapping immigrant populations: a gis-based public perception exploratory analysis {**Proceeding**}
- 79.** Myvolunteerhelpmapper: An Online Volunteer Mapping System for Helping Vulnerable Communities in Malaysia. Sakinah Anisah Khairulannuar, **Abdul Rauf Abdul Rasam**, 2020, myvolunteerhelpmapper:

- an online volunteer mapping system for helping vulnerable communities in Malaysia. **{Proceeding}**
80. Air Movement Conditions and Carbon Dioxide Concentration Levels In an Open-plan Office. Nur Amalina Binti Mohamad Asri, Hamizah Wagiman, Qi Jie Kwong, **Abdul Rauf Abdul Rasam**, 2020, air movement conditions and carbon dioxide concentration levels in an open-plan office, **{General Publication}**
 81. Visual Comfort Analysis of a Lecture Room. Hamizah Wagiman, **Abdul Rauf Abdul Rasam**, Qi Jie Kwong, 2020, visual comfort analysis of a lecture room, **{General Publication}**
 82. One Free and Open GIS (onefosgis) Source Platform for Health and Built Environment Applications. Wan Hairi Wan Mahsin, **Abdul Rauf Abdul Rasam**, Muhammad Faezwan Omar, Syaidatul Syuhada Ahmad Zuki, 2020, one free and open GIS (onefosgis) source platform for health and built environment applications, **{General Publication}**
 83. E-newsletter Fspu Volume 3, **Abdul Rauf Abdul Rasam**, Jamalunlaili Bin Abdullah, 2020, e-newsletter Fspu volume 3, **{General Publication, published in 2020}**
 84. E-newsletter Fspu Volume 1. **Abdul Rauf Abdul Rasam**, Jamalunlaili Bin Abdullah, 2020, e-newsletter FSPU Volume 1, **{General Publication, published in 2020}**
 85. UiTM News Hub - 24 November 2020. <https://news.uitm.edu.my/sug-webinar-roles-of-geospatial-data-and-information-for-realization-of-sdgin-indonesia/> **{News}**
 86. UiTM News Hub -25 Mei 2020 Pertubuhan Jurukur DiRaja Malaysia (RISM) Bantu Pelajar UiTM Akibat Wabak Pandemik Covid-19 – <https://news.uitm.edu.my/pertubuhan-jurukur-diraja-malaysia-rism-bantu-pelajar-uitm-akibat-wabak-pandemik-covid-19/> **{News}**
 87. UiTM News Hub - 24 Januari 2020 Call for Papers: 7th International Conferences on Geomatics and Geospatial Technology 2020. 21-24 Sept 2020, KL. <https://news.uitm.edu.my/call-for-papers-7th-international-conferences-on-geomatics-and-geospatial-technology-2020-scopus-indexed-publication-21-24-sept-2020-kl/> **{News}**
 88. UiTM News Hub - Disember 2020 <https://news.uitm.edu.my/lembaga-juruukur-tanah-malaysia-ljt-taja-180-orang-pelajar-uitm-shah-alam/> **{News}**
 89. UiTM News Hub - Disember 2020 <https://news.uitm.edu.my/pelajar-sains-ukur-dan-geomatik-menang-17-anugerah-di-konferens-danpertandingan-antarabangsa-2020/> **{News}**
 90. UiTM News Hub - Webinar Antarabangsa Sains Ukur dan Geomatik: Teknologi Geospatial Memenuhi Kehendak SDG dan Pendidikan Moden- <https://news.uitm.edu.my/webinar-antarabangsa-sains-ukur-dan-geomatik-teknologi-geospatial-memenuhi-kehendaki-sdg-dan-pendidikan-moden/> **{News}**
 91. UiTM News Hub - Inovasi Geospatial/GIS UiTM dalam Menangani Pandemik Covid-19 **{News}**

Publication (2019)

92. **Abdul Rauf Abdul Rasam**, Azri Haziq Azlin, Ahmad Norhisyam Idris, Noraqila Aiman Abu, Nurmilah Romeyu, 2019, Mobile GIS Applications For People With Disabilities Healthcare Services (aplikasi Mudah Alih Sistem Maklumat Geografi Bagi Penjagaan Kesihatan Orang Kurang Upaya), Jurnal Inovasi Malaysia (JURIM) ,0,0,1-14 **{MyCite Journal}**
93. **Abdul Rauf Abdul Rasam**, Noresah Mohd Shariff, Jiloris F. Dony, Punitha Makeswaran, 2017, Mapping

Risk Areas Of Tuberculosis Using Knowledge-driven GIS Model In Shah Alam, Malaysia, *Pertanika Journal Of Social Sciences & Humanities*,25,5,135 144

- 94. Abdul Rauf Abdul Rasam**, Azri Haziq Azlin, Ahmad Norhisyam Idris, Noraqila Aiman Abu, Nurmilah Romeyu,2019, Mobile Gis Applications For People With Disabilities Healthcare Services (aplikasi Mudah Alih Sistem Maklumat Geografi Bagi Penjagaan Kesihatan Orang Kurang Upaya),*Jurnal Inovasi Malaysia (JURIM)* ,0,0,1-14 {MyCite Journal}
- 95. Abdul Rauf Abdul Rasam**, Noresah Mohd Shariff, Jiloris F. Dony,2019, Geographical Information System And Geostatistical Modelling Approach For Spatial Risk Assessment Of Tuberculosis Dynamics, *International Journal Of Recent Technology And Engineering (IJRTE)*,0,0,0-0 {Scopus Journal}
- 96. Abdul Rauf Abdul Rasam**, Noresah Mohd Shariff, Jiloris F. Dony, Dasimah Bt Haji Omar,2019, Sociospatial Risk Assessment Of Human-environment- Tuberculosis Interactions In Rural-urban Settings, *Malaysian Construction Research Journal*, Volume 8, Issue 3 Special issue, 2019, Pages 177- 187{Scopus Elsevier Journal}
- 97. Rosmadi Bin Ghazali, Abdul Rauf Abdul Rasam**, Mohamad Hezri Bin Razali, Raiz Bin Razali, Z. Abd Latif,2019, Estimation Of Different Subsurface Materials Depth Using Ground Penetrating Radar, *International Journal Of Advanced Trends In Computer Science And Engineering*,8,2019,363 - 370 {Scopus Journal}
- 98. Misni, A., Nurmunira Razmi, Puziah Ahmad, Kamaruddin S.M, Abdul Rauf Abdul Rasam**, Rohaniah Mohd Noor,2019, Applying Low Carbon Landscapes at Premier Polytechnic Of Sultan Salahuddin Abdul Aziz Shah, Shah Alam, Malaysia, *International Journal Of Environment And Sustainable Development*,0,0,0-0 {Scopus Journal}
- 99. Nur Auni Suraya A. Rahim, Abdul Rauf Abdul Rasam**,2019, Qr Code Supported GIS Web System for University Facility Damage Report, *International Journal Of Engineering And Advanced Technology (IJEAT)*,9,1,5918-5922 {Scopus Journal}
- 100. Muhamad Faiz Osman Zaini, Abdul Rauf Abdul Rasam**,2019, Water Loss Meter Tracking GIS Mobile Application, *International Journal of Engineering And Advanced Technology (IJEAT)*,9,1,5923-88 {Scopus Journal}
- 101. Mohammad Najeeb Rosedin, Abdul Rauf Abdul Rasam**, Sharifah Norashikin Binti Bohari,2019, Mapping Socioeconomic Inequalities in Shah Alam, *Journal of Emerging Economies And Islamic Research (JEEIR)*,5,4, {MyCite and Asian Indexed Journal}
- 102. Muhammad Jamaluddin Bazlan, Abdul Rauf Abdul Rasam**, Rosmadi Bin Ghazali,2019, Web-Based Augmented Reality Mobile GIS for Disease Prevention And Control Programme, *International Journal Of Recent Technology And Engineering (IJRTE)*,0,0,0 {Scopus Journal}
- 103. Noraqila Aiman Abu, Abdul Rauf Abdul Rasam**, 2019, Foodhunter.Apps: A Geospatial Mobile and Social Media Application for Food Tourism, 3rd International Language & Tourism Conference 2019, {ISBN Proceeding}
- 104. Muhammad Nurrahim Ruslan, Abdul Rauf Abdul Rasam**, Noraain Mohamed Saraf, 2019, E-Tourism Map: An Interactive Tourism Web Mapping System and Mobile Apps In Selangor, Malaysia, 3rd International Language & Tourism Conference 2019 {ISBN Proceeding}
- 105. Fazami Othman, Zaharah Mohd Yusoff, Yusoff, Zaharah M., Yusoff, Z. M., Abdul Rauf Abdul Rasam**, 2019, Isovist And Visibility Graph Analysis (Vga): Strategies To Evaluate Visibility Along Movement

- Pattern For Safe Space Malaysia, IOP Conference Series: Earth and Environmental Science **{Scopus Proceeding}**
- 106. Abdul Rauf Abdul Rasam**, Noresah Mohd Shariff, Jiloris F. Dony, Fazami Othman, 2019, Spatial And Statistics For Profiling Risk Factors Of Diseases: A Case Study Of Tuberculosis In Malaysia, Iop Conference Series: Earth And Environmental Science **{Scopus Proceeding}**
 - 107. Mohamad Hezri Bin Razali**, Rosmadi Bin Ghazali, **Abdul Rauf Abdul Rasam**, Muhammad Iqram Abd Jalil, 2019, Ground Penetrating Radar for Detecting Underground Pipe Buried In Different Type Materials, Icsgrc 2019 - 2019 IEEE10th Control And System Graduate Research Colloquium, **{Scopus Proceeding}**
 - 108. Abdul Hakim Zain Rashid**, **Abdul Rauf Abdul Rasam**, Ahmad Norhisyam Idris, Nor Aizam Adnan, F Othman, 2019, online mapping and GIS mobile healthcare systems for intensifying low-income community accessibility, Iop Conference Series: Earth and Environmental Science **{Scopus Proceeding}**
 - 109. Nurin Syarafina Binti Mohd Hasmizi**, **Abdul Rauf Abdul Rasam**, Noraain Mohamed Saraf, 2019, E-Mosque Tourism: Discovering Mosques Via Geodigital Technology in Kuala Lumpur, Malaysia, The 3rd International Conference On The Future Of Asean (Icofa 2019), **{Scopus Springer Proceeding}**
 - 110. Noraain Mohamed Saraf**, Khairun Najwa Binti Kamarolzaman, Nurhafiza Bt Md Saad, Nafisah Binti Khalid, **Abdul Rauf Abdul Rasam**, Ainon Nisa Binti Othman, 2019, Data Verification of Lidar Derived Dem from Different Interpolation Techniques, The 3rd International Conference on The Future Of Asean (Icofa 2019), **{Scopus Springer Proceeding}**
 - 111. Hanisah Othman**, **Abdul Rauf Abdul Rasam**, Norajlin Binti Jaini, 2019, Geopark Management and Gis: Geospatial Tree Information Inventory System, The 3rd International Conference on The Future of Asean (Icofa 2019), **{Scopus Springer Proceeding}**
 - 112. Sharifah Norashikin Binti Bohari**, Che Ahmad Redzuan Che Romeli, Norhanani Binti Ahmad, Ikram Azmi, **Abdul Rauf Abdul Rasam**, 2019, The Impacts of Different Types of Slope On Soil Fertility Movement Of Harumanis Mango. The 3rd International Conference on The Future of Asean (ICOFA 2019), **{Scopus Springer Proceeding}**
 - 113. Nurhafiza Bt Md Saad**, Muhammad Khairil Asyraf Mohd Shukairi, Noraain Mohamed Saraf, Juazer Rizal B Abdul Hamid, **Abdul Rauf Abdul Rasam**, Noorfatekah Binti Talib, 2019, The Potential Area Estimation for Solar Panel Installation Based on Insolation Pattern Derived from Lidar Points Cloud Data. The 3rd International Conference on The Future of Asean (ICOFA 2019), **{Scopus Springer Proceeding}**
 - 114. Muhammad Dinie Haqim Azewan**, **Abdul Rauf Abdul Rasam**, 2019, Disease Mapping and Analysis Using Free and Open-Source Software: An Evaluation of Geospatial Operations. The 3rd International Conference on The Future of Asean (ICOFA 2019), **{Scopus Springer Proceeding}**
 - 115. Nor Fatiha Mohammad Rosdi**, **Abdul Rauf Abdul Rasam**, Nurhafiza Bt Md Saad, E.M.A Zawawi, Ema Zawawi, Emma Marinie Ahmad Zawawi, 2019, Spatial Variation of Criteria Air Pollutants in Urban Areas: An Exploratory Study in Shah Alam. The 3rd International Conference on The Future of Asean (ICOFA 2019), **{Scopus Springer Proceeding}**
 - 116. Baqir Abdul Basir**, **Abdul Rauf Abdul Rasam**, 2019, Evaluating Potential Free Software for Web-Based Multimedia Cartography. The International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences, 6th International Conference on Geomatics and Geospatial Technology (GGT 2019) **{Scopus proceeding}**

- 117.** Abdul Hakim Zain Rashid, Ilham Abd Jalil, **Abdul Rauf Abdul Rasam**, 2019, Navhealth @ Info Apps: A Personal Healthcare Facilities Navigation Applications, Pertandingan Rekacipta Inovasi Nasional-Kejuruteraan Dan Alam Bina (Prin-Kab) 2019, UM. **{ISBN proceeding}**
- 118.** Nur Hidayati Mohd Ramli, Noraqila Aiman Abu, Saiful Amzar, **Abdul Rauf Abdul Rasam**, Noraain Mohamed Saraf, 2019, Myhiking@Geoexplorer: An Innovative Mobile Applications for Hiking Info Exploration, Pertandingan Rekacipta Inovasi Nasional-Kejuruteraan Dan Alam Bina (Prin-Kab) 2019, Um. **{ISBN Proceeding}**
- 119.** Nurin Syarafina Mohd Hasmizi, Haris Abdul Rahim, **Abdul Rauf Abdul Rasam**, Noraain Mohamed Saraf, 2019, Geo-Mosque-Visualisation: Visualising Mosques Geoinformation in Kuala Lumpur, Pertandingan Rekacipta Inovasi Nasional-Kejuruteraan Dan Alam Bina (Prin-Kab) 2019, Um. **{ISBN Proceeding}**
- 120.** Muhammad Najwan Kamarulzaman, Daniel Abdul Halim, **Abdul Rauf Abdul Rasam**, Rosmadi Bin Ghazali, Mohamad Hezri Bin Razali, 2019, Al-Qiblat Apps: A Geomobile Apps for Accurate and Localised Qiblat Direction In Malaysia, Pertandingan Rekacipta Inovasi Nasional-Kejuruteraan Dan Alam Bina (Prin-Kab) 2019, Um. **{ISBN Proceeding}**
- 121.** **Abdul Rauf Abdul Rasam**, Noresah Mohd Shariff, 2019, Disease Mapping and Spatial Landscape Characterization of Tuberculosis Ecology In Malaysia, 29th International Cartographic Conference (ICC 2019) **{Scopus Proceeding}**
- 122.** **Abdul Rauf Abdul Rasam**, Noresah Mohd Shariff, Jloris F. Dony, 2019, Geospatial-Based Model for Diagnosing Potential High-Risk Areas of Tuberculosis Disease in Malaysia, International Conference on Built Environment and Engineering 2018 - Enhancing Construction Industry Through Ir4.0 (Iconbee2018), **{Scopus Proceeding}**

Publication (2018)

- 123.** **Abdul Rauf Abdul Rasam**, Noresah Mohd Shariff, Jloris F. Dony, Misni, A., 2018, Socio-environmental Factors and Tuberculosis: an Exploratory Spatial Analysis in Peninsular Malaysia, International Journal of Engineering & Technology, 7,3,187-192 **{Scopus Journal}**
- 124.** **Abdul Rauf Abdul Rasam**, Azri Haziq Azlin, Noraain Mohamed Saraf, 2018, Mobile Apps and Web GIS-Based Accessible Health and Social Care System for People with Disabilities, 2018 Ieee 8th International Conference on System Engineering and Technology (Icset), **{Scopus Proceeding}**
- 125.** Azri Haziq Azli, **Abdul Rauf Abdul Rasam**, Ahmad Norhisyam Idris, 2018, A Malaysian Fourth Industrial Revolution (Myir 4.0) For People with Disabilities (Pwds): Pwd Geoweb and Geomobileapps HealthcareSystem, International Conference on Built Environment and Engineering (Iconbee2018) **{ISBN Proceeding}**
- 126.** Fazzami Othman, Zaharah Mohd Yusoff, Yusoff, Zaharah M., Yusoff, Z. M., Md Sadek E S S, **Abdul Rauf Abdul Rasam**, 2018, Urban Street Configuration for Safe Community, Green Technology & Sustainable Development Conference, UiTM **{Proceeding}**
- 127.** Maisarah Binti Abdul Halim, Noraain Mohamed Saraf, Nur Idzhainee Binti Hashim, **Abdul Rauf Abdul Rasam**, Ahmad Norhisyam Idris, Nurhafiza Bt Md Saad, 2018, Discovering New Tourist Attractions Through Social Media Data: A Case Study in Sabah Malaysia, Ieee 8th International Conference on

- System Engineering and Technology (ICSET 2018), **{Scopus Proceeding}**
- 128. Abdul Rauf Abdul Rasam**, Noresah Mohd Shariff, Jiloris F. Dony, 2018, Geospatial-Based Model for Diagnosing Potential High-Risk Areas of Tuberculosis Disease in Malaysia, Iconbee2018 International Conference On Built Environment And Engineering, **{ISBN Proceeding}**
 - 129. Oliver Ling Hoon Leh**, Muhammad Hanif Abdul Aziz, Marzukhi, M.A., **Abdul Rauf Abdul Rasam**, 2018, An Investigation on The Liveability of Urban Settlement. Case Study: Mandy Villa, Segambut, Kuala Lumpur City, Malaysia, Iconbee2018 International Conference on Built Environment and Engineering, **{Scopus Proceeding}**
 - 130. Noraain Mohamed Saraf**, Juazer Rizal B Abdul Hamid, Maisarah Binti Abdul Halim, **Abdul Rauf Abdul Rasam**, Saharuddin Bin Lin, 2018, Accuracy Assessment Of 3-Dimensional Lidar Building Extraction, Ieee 8th International Conference on System Engineering and Technology (Icset 2018), **{Scopus Proceeding}**
 - 131. Ilham Abd Jalil**, **Abdul Rauf Abdul Rasam**, Nor Aizam Adnan, Noraain Mohamed Saraf, Ahmad Norhisyam Idris, Juazer Rizal B Abdul Hamid, 2018, Geospatial Network Analysis for Healthcare Facilities Accessibility in Semi-Urban Areas, Ieee 8th International Conference on System Engineering and Technology (Icset 2018), **{Scopus Proceeding}**
 - 132. Nor Aizam Adnan**, S Bakar, A H Mazlan, Z Mohd Yusoff, **Abdul Rauf Abdul Rasam**, 2018, Comparative Study of Cocoa Black Ants Temporal Population Distribution Utilizing Geospatial Analysis, Iop Conference Series: Earth and Environmental Science 3rd International Conference on Research Methodology for Built Environment and Engineering 2017 **{Scopus Proceeding}**
 - 133. Abdul Rauf Abdul Rasam et al**, 2018. Invention of Malaysian Geospatial Tuberculosis Information System (MyGEOTBIS) For Airborne Disease Decision-Making Analysis, 5th International Conference on Science and Social Research (CSSR2018), KK Sabah **{Proceeding}**
 - 134. Alamah Misni**, **Abdul Rauf Abdul Rasam et al**, 2018. Public Perspective on Biodiversity Conservation of Mangrove Restoration Case Study at Kuala Selangor Nature Park, 5th International Conference on Science and Social Research (Ccsr2018), Kk Sabah **{Proceeding}**
 - 135. Abdul Rauf Abdul Rasam et al**, 2018, Local Spatial Knowledge for Eliciting Risk Factors of Tuberculosis Epidemics, Green Technology & Sustainable Development Conference, UiTM **{Proceeding}**
 - 136. Norain**, **Abdul Rauf Abdul Rasam et al**, 2018, A 3d Mapping System for Park Visualisation and Management in Kuala Keniam Research Station, Taman Negara, Green Technology & Sustainable Development Conference, UiTM **{Proceeding}**
 - 137. Nur Luqman Hakim**, **Abdul Rauf Abdul Rasam**, 2018, Modernising A University Student Rental Housing System with Geospatial Web and Mobile Mapping Applications, IEEE Workshop on Geosciences and Remote Sensing 2018 (Iwgrs) **{Abstract Proceeding}**
 - 138. Nor Hakim Zaini**, **Abdul Rauf Abdul Rasam**, 2018, Augmenting Rural Healthcare Accessibility Systems in Klang Using an Integrative Geocartography Mobile Apps Technology My Ir 4.0 For Rural Healthcare Services System. **{Abstract Proceeding}**
 - 139. Mohd Faiz**, **Abdul Rauf Abdul Rasam et al**, 2018, Waterlosstracker. Geoapps: A Mobile Geo App for Water Meter Tracking System, Isscic 2018 – International Social Science Conference & Innovation Competition, 2nd And 13th July 2018, Mmu Melaka **{Abstract Proceeding}**
 - 140. M.Azri**, **Abdul Rauf Abdul Rasam et al**, 2018, Pwdsupport2u Apps and Pwds Monitoring System for Physical Health and Social Care of People with Disabilities, Isscic 2018 – International Social Science

Conference & Innovation Competition, 2th and 13th July 2018, Mmu Melaka, {Abstract Proceeding}

- 141.** Nur Luqman Hakim, **Abdul Rauf Abdul Rasam** et al, 2018, University Student Rental Housing System Using Geospatial Web and Mobile Applications, Isscic 2018 – International Social Science Conference & Innovation Competition, 2nd And 13th July 2018, MMU Melaka, {Abstract Proceeding}

Research Grant and Contract (Active)

1. Road Characteristics Database for Automotive Testing (RM 40, 000.00) 2024- 2025, **Industrial Grant from The New Car Assessment Program for Southeast Asia, or known as ASEAN NCAP, c/o MIROS**, (Team Member)
2. Kajian Consumer Empowerment Inde (CEI) 2025 (RM 1,939,123,80) 2025-2026, **Industrial Grant from Kementerian Perdagangan Dalam Negeri (KPDN)** (Team Member)
3. KDEB Waste Management on Collection of Inventory Data By Using GIS Technology (RM 189, 216.00) 2024, **Industrial Grant from KDEB WASTE MANAGEMENT, Selangor**, (Team Member)
4. Hedonic Price-Based Geo-Multicriteria Modelling of Flood Risk Impact Assessment in Residential Property Value (RM 96,700.00) 2024-2027, FRGS, KPT (Team Member)
5. A Precision Disease Mapping Using High-Multiresolution Satellite Imagery (RM15000) 2023-2025, **Matching Grant with ITS, Indonesia**. (Leader)
6. Assessment Of Topography And E-Mobility Suitability for Sustainable Transport at Uitm Shah Alam (RM50,000.00) 2024-2026, **Grant Delima** (Team Member)
7. Techno-Economic Study on The Viability of Electric Motorcycle Usage in Malaysia (RM20,000.00) 2024-2026, **Grant Delima** (Leader)
8. Mengesan Kearifan Tradisi Di Desa Melalui Pemetaan Budaya Untuk Pelancongan Warisan (2021-2024), Frgs Kpt (Completed)-Team Member
9. Kursus Kartografi Bagi Pegawai Dan Kakitangan Jabatan Tanah Dan Ukur Sabah (Jtus), 2023.
10. Social Impact Assessment Study of Apartment Development at Taman Damai Utama, Bandar Putra Permai, Puchong Selangor Darul Ehsan, 2024 (Rm 75,000.00). (Team Member)
11. Development of Automatic Map Vectorization System for Digital Topographic Map Database and Archive, Abdul Rauf Bin Abdul Rasam Jul 2022-Jun 3 2023, Geran Inisiatif Penyelidikan (GIP)-Leader
12. Neurourbanism Planning Model of Bidirectional Associations Between Urban Physical Environment Dr. Marlyana Azyyati Binti Marzukhi (2) Profesor Madya Dr Azlina Wati Binti Nikmat, Dr. Abdul Rauf Bin Abdul Rasam, Profesor Madya Dr Oliver Ling Hoon Leh, Dasimah Bt Haji Omar, Muhammad Farid Azizul, (3) 2019 - 2022 (4) Fundamental Research Grant Scheme (FRGS) (5) Project Member (6)
13. Spatial Analysis of Holistic Stunted Children Variations and Factors in Malaysia, KEPU Grant, 2022-2024 And Mental Disorders (1) (Leader)
14. Multiple Visibility Network Model for Smart and Safe Society. Profesor Madya Dr Zaharah Binti Mohd Yusoff Profesor Dr Zulkiflee Bin Abd Latif, Dr. Abdul Rauf Bin Abdul Rasam, Dr. Ainon Nisa Binti Othman, 2019 - 2022 (4) Fundamental Research Grant Scheme (FRGS) (5) Project Member (6)
15. Pemodelan Operasi Prosedur Piawai Ramalan Kestabilan Cerun Berpendekatan Kepintaran Buatan Rangkaian Neural Dan Sistem Inferens Neuro-logik Adaptif (1) Profesor Dr Abd Manan Bin Samad (2)

- Dr. Abdul Rauf Bin Abdul Rasam, Ruffaizal Bin Che Mamat, Azuini Binti Ramli, (3) 2019 - 2021 (4) Fundamental Research Grant Scheme (FRGS) (5) Project Member (6)
16. Spatial Association of Urban Lifestyle with Respiratory Infection in Petaling District, Selangor. (1) Dr. Farah Ayuni Binti Sahafea @ Shafie (2) Siti Rohana Binti Mohd Yatim, Dr. Farah Ayuni Binti Sahafea @ Shafie, Profesor Madya Dr Oliver Ling Hoon Leh, Dr. Abdul Rauf Bin Abdul Rasam, Profesor Dr Teh Lay Kek, (3) 2020 - 2022 (4) Dana Ducs (DANA DUCS) (5) Project Member (6)
 17. Investigating Airborne Diseases Dynamic in Sabah Towards Public Health Awareness Using Geospatial Big Data System (1) Dr. Abdul Rauf Bin Abdul Rasam (2) Profesor Madya Dr Oliver Ling Hoon Leh, Profesor Madya Dr Arnis Binti Asmat, Sr. Noraain Binti Mohamed Saraf, (3) 2018 - 2020 (4) Lestari (LESTARI) (5) Principal Investigator (6)
 18. Spatial Knowledge Mapping for Tuberculosis Control Tool Among the Remote Communities In Sabah And Selangor (1) Profesor Madya Dr Rosmadi Bin Ghazali (2) Profesor Madya Dr Oliver Ling Hoon Leh, Dr. Abdul Rauf Bin Abdul Rasam, Dasimah Bt Haji Omar, Dr Frederick Dony, (3) 2018 - 2020 (4) Bestari (BESTARI) (5) Project Member (6)
 19. Development of Community Online Mapping System for Accessibility and Treatment of People With Disabilities In Ampang. Ahmad Norhisyam Bin Idris (2) Dr. Abdul Rauf Bin Abdul Rasam, (3) 2018 2021 (4) Lestari (LESTARI) (5) Project Member (6)
 20. A Geoepidemic Model of Human Lifestyle Interaction in Tuberculosis Risk Transmission (1) Dr. Abdul Rauf Bin Abdul Rasam (2) Profesor Dr Abd Manan Bin Samad, Profesor Madya Dr Zaharah Binti Mohd Yusoff, Dr. Farah Ayuni Binti Sahafea @ Shafie, (3) 2019 - 2021 (4) Fundamental Research Grant Scheme (FRGS) (5) Principal Investigator (6)
 21. Constructing A Geospatial Framework for Health Malaysian Problem and Decision Making (mygeohealth Framework) (1) **Dr. Abdul Rauf Bin Abdul Rasam** (2) Profesor Madya Dr Juazer Rizal B Abdul Hamid, Profesor Madya Dr Rosmadi Bin Ghazali, Profesor Madya Dr Zaharah Binti Mohd Yusoff, (3) 2011 - 2013 (4) Exploratory Research Grant Scheme (ERGS) (5) Principal Investigator (6) RM 50,000.00
 22. Using Geographical Information Systems to Visualize Potential Public Library Outlets in Shah Alam, Selangor (1) Ahmad Nadzri Bin Mohamad (2) **Dr. Abdul Rauf Bin Abdul Rasam**, Profesor Ts. Dr. Mohamad Noorman Bin Masrek, (3) 2012 - 2014 (4) Research Intensive Faculty Grant (RIF) (5) Project Member (6) RM 12,443.33
 23. Transportation Affordability of Lower-income Earner Using Collaborative Geospatial Techniques In Southwest Region Peninsular Malaysia (1) Profesor Madya Dr Zaharah Binti Mohd Yusoff (2) Kamaluddin B Hj Talib, Dasimah Bt Haji Omar, Profesor Madya Dr Nor Aizam Binti Adnan, Dr. Abdul Rauf Bin Abdul Rasam, (3) 2012 - 2014 (4) Esciencefund (eScienceFund) (5) Project Member (6) RM 91,300.00
 24. Design and Development of Geographic-based Malaria Information System (geomis) (1) Profesor Madya Dr Rosmadi Bin Ghazali (2) **Dr. Abdul Rauf Bin Abdul Rasam**, (3) 2012 - 2014 (4) Research Intensive Faculty Grant (RIF) (5) Project Member (6) RM 19,851.17
 25. Systematic Habitat Conservation for Hornbill Species at Royal Belum Rainforest (1) Dr. Alamah Binti Misni (2) **Dr. Abdul Rauf Bin Abdul Rasam**, (3) 2012 - 2014 (4) Research Intensive Faculty Grant (RIF) (5) Project Member (6) RM 5,805.00
 26. Spatial Environmental and Social Health Research Group (1) Profesor Dr Jamalunlaili Bin Abdullah Profesor Madya Dr Oliver Ling Hoon Leh, Dr. Siti Mazwin Binti Kamaruddin, Lar. Noralizawati Binti Mohamed, Profesor Madya Dr Sh. Zannierah Binti Syed Marzuki, **Dr. Abdul Rauf Bin Abdul Rasam**, Dr. Marlyana Azyyati Binti Marzukhi, Ir. Dr. Kwong Qi Jie, (3) 2015 - 2018 (4) Research Entity Initiative (REI) (5) Project Member (6)

27. Reforming Health Care Facilities in Kuala Lumpur Using Geospatial and Town Planning Approaches. Mohd Khalid Bin Mohd Omar (2) **Dr. Abdul Rauf Bin Abdul Rasam**, (3) 2012 - 2014 (4) Research Intensive Faculty Grant (RIF) (5) Project Member (6) RM 11,672.90
28. Virtual Uitm Campus of Shah Alam; An Interactive 3d GIS Model (1) Dr. Mimi Zaleha Binti Abdul Ghani (1) **Dr. Abdul Rauf Bin Abdul Rasam**, (3) 2012 - 2014 (4) Research Intensive Faculty Grant (RIF) (5) Project Member (6) RM 10,341.90

Expertise, Consultation, and Training (2023-2025)

1. **Invited Subject Matter Expert (SME) and Guest Lecture** at the Institut Teknologi Sepuluh Nopember Surabaya, ITS Indonesia on the Cartography and Geospatial Innovation (2025)
2. **Editorial** of Semarak International Journal of Transportation and Logistics (SIJTL), 2024-2026
3. **Main Committee /Writer** for Laporan Anugerah Kualiti Naib Canselor (iAKNC), KAB UiTM 2022-2024
4. **Invited Speaker** of Plenary Session at the 2023 IEEE Asia-Pacific Conference on Geoscience, Electronics and Remote Sensing Technology (AGERS), Indonesia
5. Plenary Speaker at 8th Sabah International Surveyors Congress (SISC), 2024, Suan Sunandha Rajabhat University (SSRU), Nakhon Pathom, Thailand
6. **Parallel Session Speaker** at the 3rd International Conference on Logistics & Transportation (ICLT) 2024, Suan Sunandha Rajabhat University (SSRU), Nakhon Pathom, Thailand
7. **Chairman Session & Emcee** at 8th Sabah International Surveyors Congress (SISC), 2024, Suan Sunandha Rajabhat University (SSRU), Nakhon Pathom, Thailand
8. **Invited Lecturer** at Institut Tanah dan Ukur Negara (INSTUN), 2024
9. **Chairperson and presenter** at the Geomatic & Geospatial Technology International Conference (GGT) 2023, Malaysia.
10. **PhD DRP Examiner (2025)**, Aldea Noor Alina, Development of Above Ground Biomass Geospatial Model Using Geospatial Approach To Calculate Biomass of Mangrove Ecosystem In Surabaya (Institut Teknologi Sepuluh Nopember Surabaya, ITS Indonesia)
11. **Keynote Speaker**, SEMINAR SENIBINA LANDSKAP – TALKS 3.0 (THE ACCLAIMED OF LANDSCAPE KNOWLEDGE SHARING), UiTM (KEYNOTE SPEAKER), 2024. KAB UiTM
12. **Invited Speaker & facilitator**, The 21st International Conference for University Administrators (ICUA) 2024 (Lecturer & Facilitator)
13. **Invited Speaker, Program Creative Map Competition (National Level), 2024**
14. **Penyelidik Jemputan dan Pembentang Kertas** Kerja Ekspedisi Saintifik Jabatan Perhutanan S. Malaysia, Ekspedisi Saintifik Kepelbagaian Biologi Hutan Simpan Hulu Terengganu Tambahan. 2024
15. **Director and Facilitator**, Bengkel Bank Kertas Cadangan Geran Penyelidikan MITRANS 2024
16. **Penyelidik Jemputan dan Pembentang Kertas** Kerja Ekspedisi Saintifik Jabatan Perhutanan S. Malaysia, Ekspedisi Saintifik Kepelbagaian Biologi Gunung Arong, Mersing, Johor
17. **Pemeriksa Luar Tesis** Sarjana UKM
18. **Innovation Project Advisor and Lecturer Accompanying** UiTM Students for the National Geomatics/Geoinformatics Student Innovation (NGGSIC) Competition 2024
19. **Panel Juri** Geomatics Research and Innovation Day (GeoRID) PROGRAM GEOMATIK, POLISAS
20. **Panel Juri** bagi Creative Map Competition UiTM Perlis, 2024
21. **Panel Juri** bagi ESRI-UiTM GIS Day Student Competition 2024.
22. **Panel Juri** Bagi program Map Exhibition and Competition, Jan 2025, SUG KAB UiTM

23. **Panel Penilai** Bagi Geran Penyelidikan Dana Inovasi sosial dan Kajian Sosisl 2024, perungkat UiTM.
24. **MSc Viva Examiner** (PANEL JURI GEOMATICS RESEARCH AND INNOVATION DAY (GeoRID) PROGRAM GEOMATIK, POLISAS2024). Muhammad Faid Bin Mohd Rizal, Geospatial Approach in Analysing Built Environment Factor with Type 2 (Universiti Kebangsaan Malaysia, UKM)
25. **A Panel of Examiners** for Conversion Application from Master's to PhD at the College of Built Environment, UiTM Perlis, Ahmad Zikri Abd Aziz (10 January 2025)
26. **PhD Viva Examiner** (2025), Sharifah Nurul Ain Binti Syed Mustorpha, The Design and Development of A 3d GIS-Based Optimization System (UiTM)
27. **PhD Viva Examiner** (2025), Nordina Binti Ismail, Assessing the Effectiveness of Government Policies on Green Logistics Practices, Green Innovation, And Sustainable Performance Among Courier Companies In Malaysia (UiTM)
28. **PhD Viva Examiner** (2024), Mohamad Haikal Bin Faizulazmi, Surface Reflectance Analysis to Determine Spatial Distribution of Total Suspended Sediment at North-West of Peninsular, Malaysia (UiTM)
29. **PhD DRP Examiner** (2025), Assessing the Effectiveness of Government Policies on Green Logistics Practices, Green Innovation, and Sustainable Performance Among Courier Companies in Malaysia,
30. **PhD Viva Chairperson** (2024), Multi Stakeholders Perspective on Port Competitiveness in Sepanggar Bay Container Port, Siti Noraishah Azizan.
31. **MSc Viva Examiner** (2024), Afiqah Zahidah Binti Anwarzaini, Estimation of Potential Wildfire Risk Area Based on Geospatial Analysis Using Landsat Lst, Ndvi, Ndwi, Ndmi, Nddi, Nbr And Air Temperature
32. **PhD DRP Chairperson** (2025), -Al Rahbi Abdulaziz Nasser Hilal, Uman Resource Management in The Logistics And Shipping Industry: Localization Of Manpower In The Logistics And Shipping Sector In Oman (UiTM)
33. **PhD DRP Chairperson** (2025), -Hady Bin Hud, Ensemble-Based Machine Learning Framework to Estimate Ambulance Dispatch Time for Prehospital Emergency Medical Service (EMS) (UiTM)
34. **PhD DRP Chairperson** (2025- Fast Track), Ahmad Syahmi Bin Mohd Jantan, A Study on AI Integration Readiness in Malaysian Warehouse Operations (UiTM)
35. **MSc Viva Chairperson** (2025- Fast Track), Ainul Mardziyyah Binti Che Din, The Implementation of Vendor Managed Inventory (VMI) System for Medication Management in Healthcare Company Owned Clinic Groups (UiTM)
36. **Interview Session Panel** for the recruitment of 8 new postgraduate students from MITRANS (Sept 2024)
37. MITRANS Postgraduate Program Student Colloquium **Evaluation Panel** March 2024- August 2024
38. **Director Program** for High Impact Journal Writing Workshop @ MITRANS, 2024
39. **Panel for FRGS-EC Grant Scheme Evaluation** at UiTm Level 2024
40. **Invited Jury of Map** Exhibition and Competition 2025, at Pengajian Sains Ukur dan Geomatik, KAB, UiTm Shah Alam (21 January 2025)
41. **MSc Viva Examiner** (MSc in GIS), 2024, Elina Binti Alias, College of Built Environment UiTM Shah Alam
42. **MSc Viva Examiner** (MSc in GIS), 2024, Nur Fatin Amirah Binti Amran, College of Built Environment UiTM Shah Alam
43. **MSc Viva Examiner** (MSc in GIS), 2024, Palacin Vegas Salvador, College of Built Environment UiTM Shah Alam
44. **MSc Viva Examiner** (MSc in GIS), 2024, Nur Maisarah Binti Abd Ghany, College of Built Environment UiTM Shah Alam
45. **Viva Panel for 4 SUG Dissertation** 2 Students (GLS 693/GSS681), SUG, KAB UiTM, (17 January 2025)
46. **2 Internship Student advisors/Supervisors** - Putera Muhammad Adam Bin Mohd Fadly (UiTM Perak) & Ahmad Akif Majdi (UniKL, Kuala Lumpur, Malaysia)
47. **Panel Penilai Peringkat PTJ/UiTM** bagi pemantauan geran KPT 2024
48. **Panel Penemuduga Pelajar** Baharu MITRANS 20244

49. **Pengerusi Sesi Viva PhD**-Thesis: Multi Stakeholders Perspective on Port Competitiveness
50. **Jury-Program ESRI**-UiTM GIS Day Celebration & Student Competition 2024
51. **Resource Person** for the subject of FSPU-PPSUG-Dissertation 1 and Advanced Cartography, 2020-2024
52. **Resource Person** for the subject of MITRANS Research Methodology for Transport Management and Enforcement (LTE329) 2024-Present
53. **Main Committee** for KAB Perancangan Strategik FSPU, 2021-2025
54. **Main Committee** for MITRANS Perancangan Strategik FSPU, 2024-Present
55. **FYP Viva panel** for 4 Diploma Students at MITRANS, Jan 2025
56. **FYP DRP panel** for 3 Diploma Students at MITRANS, Dec 2024
57. **Presenter** at the Cultural Mapping Workshop, ILD N. Sembilan. 2023.
58. **Guest Lecture** at KAB UiTM on Urban Mapping, 2023.
59. **Invited Speaker** at 7th Sabah International Surveyors' Congress, 2023
60. **Chairperson and Presenter** at the International Conference in Logistics and Transportation 2023, Indonesia
61. **Paper Presenter** at the 16th International Congress of Physiological Anthropology, Sabah, Malaysia. 2023
62. **Trainer/facilitator** on Cartographic Mapping at Jabatan Tanah dan Ukur Sabah. 2023
63. **Panel Penilai** bagi 2 subjek baru (GIS & EIA) di Fakulti Sains Pentadbiran & Pengajian Polisi. UiTM. 2023.

Expertise, Consultation, and Training (2020-2022)

64. PhD DRP Examiner (2022), Mohamad Haris Bin Abd Azis, Multiple Driven Factors of Efficient Assessment of Solid Waste Bin Point Collection with The Aid Of Geospatial Approaches, (UiTM)
65. PhD DRP Examiner (2021-Fast Track), Nurul Nabilah Binti Mohd Norezan, Imagery Based Mapping and Modelling Of Road Patching Works For Road Distress Management Using Remote Sensing, (UiTM)
66. MSc DRP Examiner (2022), Muizzuddin Bin Muhammad, Micro UAV Flight Parameters Analysis in Producing an Accurate Large Scale Topographic Map
67. External Panel for MSc Academic Program (GIS) - Panel Penasihat Luar (Akademik) Program Ijazah Sarjana Sains Maklumat Geografi (GIS), Fakulti Alam Bina, Ukur dan Hartanah Kolej Universiti Geomatika, Malaysia
68. Subject-Matter Expert - Pakar Bidang Khusus (Kartografi Dan Gis) – Bengkel Kajian Keperluan Membangunkan Portal MyGeoHub, 2022, Pusat Geospatial Negara (PGN) Kementerian Tenaga dan Sumber Asli (KeTSA) Malaysia
69. Invited Speaker/Visiting Industrial Lecturer – Politeknik Kuching Sarawak (2022)
70. Jury - Virtual Asia Innovation Show (VAIS) 2022
71. Jury - & AJK Pertandingan Sambutan Program Hari TIBI Sedunia JKN Selangor KKM (2022)
72. Facilitator for CBE Postgraduate Thesis Writing Workshop (November 2022)
73. Invited Speakers and Facilitator for Conference poster Design and Writing Workshop “Let's start from sketch” for UiTM Assistant Registrar (September and December 2022)
74. DRP Examiner for SUG Students (BSc SUG CBE, July 2022)
75. DRP Examiner for 15 SUG Students (BSc SUG CBE, December 2022)
76. DRP Examiner for Master in GIS Students (May 2022)
77. DRP Examiner for Master in GIS Students (April 2022)

78. Internal Viva Voce Examiner for BSc in SUG (8 July 2022)
79. Mentor to Mentee (Sr Dr Mohd Adly Bin Rosly- 354303) in the KAB/FSPU Program Mentor-Mentee (2021-Present)
80. Jury - the 3rd Invention, Innovation and Technology Competition (ITEC 2021)
81. Jury - Penang International Invention, Innovation and Design (PIID 2021)
82. Jury at the 3rd Invention, Innovation and Technology Competition (ITeC 2021)
83. Facilitator /Member -KIK FSPU 2021
84. Jury - The 9th International Innovation, Invention & Design Competition (INDES2020)
85. Jury - the International Sciences, Technology & Engineering Conference (ISTEC): Advanced Geospatial and Surveying (AGeoS) 2020
86. Jury - Majlis Anugerah Kecemerlangan FSPU (MAKEF) 2019
87. Advisor- Innovation Team of Jabatan Kesihatan Negeri Selangor (Unit TB)-2016-2019
88. DRP Examiner (Master by Research – Title: Public Participation GIS in Krau Wildlife Reserve (2020)
89. DRP Examiner (Master by Research – Title: Spatial Visualization Using Virtual Reality for Experiential Learning)
90. DRP Examiner (Master by Research – Title: Climate Change Map (2021)
91. Internal Viva Voce Examiner (MSc in GIS) – 13 Students
92. Viva Voce Examiner (PPSUG Undergraduate Dissertation)- 9 Students
93. Article Paper Reviewer – Title: Augmented Reality (AR) for Promoting Public Participation in Urban Planning: A Pilot Study - 5th International Invention, Innovation and Articulation (i-IDEA™ 2020) The Advanced Geospatial & Surveying Conference (AGeoS) 2020
Article Paper Reviewer – Title: The Extraction of Shoreline Erosion at Kuala Terengganu Using High Spatial Resolution Image - 5th International Invention, Innovation and Articulation (i-IDEA™ 2020) The Advanced Geospatial & Surveying Conference (AGeoS) 2020
94. Article Paper Reviewer – Title: A Discussion on Methodologies In Identifying The Maintenance Criteria Of Green Roof In High-Rise Buildings -C4020- Virtual Go-Green: Conference And Publication (V-Gogreen 2020)
95. Article Paper Reviewer – Title: Informal Settlement Model Using Geospatial Approach: International Conference on Research Methodology in Built Environment and Engineering (ICIRMBEE) 2019
96. Article Paper Reviewer – Title: Ecosystem health assessment based on PSR framework using RS/GIS: the International Conference on Geomatics and Geospatial Technology (GGT) 2021.
97. Article Paper Reviewer – Title 3D STRATA VISUALIZATION IN WEB ENVIRONMENT – A REVIEW: The International Conference on Geomatics and Geospatial Technology (GGT) 2021.
98. Article Paper Reviewer – Title: Exploring School Accessibility of Students with Special Needs using Spatial Visualization: the International Conference on Geomatics and Geospatial Technology (GGT) 2021.
99. Article Paper Reviewer – Title: Effective Monitoring and Analysis of The Covid-19 Pandemic for The National Security Council And Malaysian Armed Forces Through The Defence Geospatial Information Management Application: The International Conference on Geomatics and Geospatial Technology (GGT) 2021.
100. Invited Speaker- Bengkel UKK FSPU- 2019

Innovation, Commercialization and Entrepreneurial (2020-2025)

BIL	IP CODE	IP TYPE	TITLE
1	CRDV2024 W03634		Geographical-Based Information System (GeoDIS)
2	CRLY2024 W03633		MySpatialyst Stunting Framework
3	CR001879	Copyright	My 3D Strata AR: An Intelligent Multi-Purpose Strata System Towards Smart Cities Enablement in Malaysia
4	CR001968	Copyright	MyStudentCare@Covid19MCO.Apps: A Student Counselling Services App During the Covid-19 Movement Control order
5	CR002171	Copyright	MyVolunteerMapper: An Online Volunteer Mapping System for Helping Vulnerable Communities in Malaysia
6	CR002172	Copyright	E-Health Atlas: An Electronic Atlas of Healthcare and Disease Epidemiology Mapping
7	CR002174	Copyright	CartoEdu Portal: A Cartography Integrated E-Learning Materials System In UiTM

Services and Administration

1. Head of Research and Publication, MITRANS (2024-Present)
2. Coordinator of Department of Strategic Partnership UiTM Global, April 2021-2023
3. Coordinator of Innovation and Commercialization, College of Built Environment, UiTM (2022-2023)
4. Head of Communication and Corporate Unit, Faculty of Architecture, Planning and Surveying (2018-2021)
5. Main Committee for Research Management Unit, FSPU/KAB (2013-2014)
6. Advisor for Student Society (GEOMASS, UiTM), (2011-2012)
7. Sabbatical/Industrial Attachment at Makmal Kesihatan Awam Kota Kinabalu (MKAKK) Sabah, KKM (2023)
8. Committee for SUG, KAB Curriculum revision (Geospatial Group) Field Curriculum, 2025

9. KAB Contingent Manager/Head at the IIDEX 2023 (1 special award for the 2nd best Contingent, 4 Gold medals, 5 Silver Medals and 1 Bronze)
10. MITRANS Contingent Manager/Head at the IIDEX 2023 (2 Gold Medals, 1 Silver Medal and 7 Bronze Medals)
11. Program Director of the Million Memories Ceremony of the MITRANS Charity Club, Feb 2025
12. Program Director and Manager for Strategic Action Plan (SAP FSPU 2022) Media and Visibility, UiTM Global and Publication-2022
13. Deputy Director of the National Geomatic / Geoinformatic Students Innovation Competition (NGGSIC), RISM & UiTM (2022)
14. Program Director for FSPU Strategic Action Plan (FSPU Media and Visibility- -4 main projects)
15. Project Manager for FSPU Strategic Action Plan (UiTM Global-Globe)
16. Main Committee for FSPU Strategic Action Plan (FSPU Media Engagement and Visibility)
17. Main Committee for FSPU Strategic Action Plan (FSPU Recording and Promotion)
18. Main Committee of Kelesterian/SDG FSPU (2022)
19. Leader for AKNC FSPU Team 2022 Report (Outcome for Criteria 7)
20. Academic Advisor (PA), PPSUG 2022
21. Committee for Strategic Action Plan (SAP) P&I (RMC) di PPSUG
22. Coordinator for PPSUG Corporate Unit –FSPU (2022)
23. Coordinator for PPSUG Innovation Unit –FSPU (2022)
24. Coordinator for PPSUG Research/Publication Unit –FSPU (2022)
25. Coordinator for PPSUG Global Unit –FSPU (2022)
26. Main Committee for PPSUG Strategic Action Plan (2022)
27. Resource Person for 2 BSc subjects (Innovative Cartography and Geospatial Innovation and Creativity)
28. Fellow for UiTM Global Strategic Partnership, Jan-2020-April 2021
29. Head of Website Unit FSPU, 2020- Feb 2021
30. Head of Communication Corporate Unit, FSPU, June 2018- June 2020
31. Facilitator of STEM UiTM- 2017-2018
32. Personal in charge for UiTM Digital Global (2021) and UiTM Global Website (2022-2023)
33. Secretariat for DSP UiTM Roadshow and Meeting Discussion
34. Secretariat for UiTM MoU/MoA Signing Ceremony for Top 300 Global Universities handled by DSP UiTMGlobal
35. UiTM Research Track (2019 –present)
36. Committee for FSPU Strategic Action Plan, 2021-2025
37. Advisor for Communication and Corporate Unit of FSPU (2021-Present)
38. Committee of Unit Kualiti FSPU
39. Committee of MAKEF 2018, 2019, 2020
40. Pengurus Projek FSPU Vame
41. Lecturer in charge of BEURC 2020
42. Secretariat for SEABERC Pioneers FSPU
43. Committee- Majlis Anugerah Kecemerlangan FSPU (MAKEF) 2019
44. Coordinator - PPSUG-FSPU-Koordinator Penyeldikan/Penerbitan
45. PPSUG-FSPU-Pengurus Makmal Kartografi

46. Committee- Syllabus Reviews for Master in GIS-FSPU UiTM
47. Committee- Program Diploma Technology Spatial-UiTM Perak
48. Committee- Program Baru Sarjana Muda Teknologi Spatial-UiTM Perlis
49. Committee - LAWATAN PEMERIKSA LUAR KE PPSUG-Online
50. Others

Work and Collaboration Experience

1. Graphic and 3D Map Designer, Shah Alam, 2006
2. Land Surveyor, Sabah, 2007
3. Research Assistance at the Institute of Medical Research (IMR), Malaysia, 2008 (Scope-GIS Health)
4. Senior Lecturer and Researcher at UiTM, 2009 (Part-time), 2010-Present (Full-time)
5. GIS-based System Development for Unit Perkhidmatan OKU UiTM (2019)
6. GIS-based System Development for Unit TB/Kusta, JKN Selangor (2018-2019)
7. Hardcopy Topographic Maps Management System at PTAR, UiTM Shah Alam (2019-Present)
8. Others

Award and Recognition (2024-2025)

1. The Best Academic Award Organized by MSGA Sdn Bhd, 2024/202, Jan 2025
2. The Best E-book Author Award Organized by MSGA Sdn Bhd, 2024/202, Jan 2025
3. Nomination for Anugerah Akademik Universiti (AAU) in UiTM Special Award (KAB Representative in prolific author category) 2024
4. Pengiktirafan kecemerlangan RG dibawah TNCPI (Environmental and Social Health Group (ESH))- Pencapaian 5 Bintang EK (RG) TNCPI/ REnEu-Environmental and Social Health Group (2024) (Fellow)
5. 1 special award for the 2nd best Contingent in the IIDEX 2023 (KAB Contingent Leader/Manager)
6. Gold Medal at the Innovation, Invention & Design Exhibition (IIDEX) 2024, Malaysia-GeoAi AMODs: A Novel Geospatial Deep Learning Based Automated Multiple Object Detection System Towards Smart 3D City Mapping (Leader)
7. Silver Medal at the Innovation, Invention & Design Exhibition (IIDEX) 2024, Malaysia – GNSS-Based Structuring HGVs' Distribution Operations Model Towards Sustainable Development Agenda (Member)
8. Bronze Medal at the Innovation, Invention & Design Exhibition (IIDEX) 2024, Malaysia Mapping Sustainability of Green Port Practices via Geographic Information System (GIS) at Northport (M) Bhd (Member)
9. Bronze Medal at the Innovation, Invention & Design Exhibition (IIDEX) 2024, Malaysia-Geo Based - Halal Risk Assessment Model for Halal Certified Warehousing Industry (Member)

Award and Recognition (2023)

10. Anugerah Penerima Medal Inovasi Tertinggi KAB UiTM 2023. (CBEEEX 2023)
11. Anugerah AKNC UiTM 2023 – Juara Kategori Bidang Tumpuan (Jaringan Industri dan Keusahawanan)(Ahli)
12. Anugerah AKNC UiTM 2023 – Tempat ke3 Kategori Kolej/Fakulti Terbaik)(Ahli)
13. Gold Medal at the Invention, Innovation and Design Exposition 2023 (IIDEX2023)-Post-Disaster Needs Assessment for Flood Events In Pasir Mas Kelantan: Geomatics Damage & Loss Formulation (Member)
14. Silver Medal at the Invention, Innovation and Design Exposition 2023 (IIDEX2023) - UITM GLOBAL MAP OF INTERNATIONAL STRATEGIC PARTNERSHIPS (Member)
15. Silver Medal at the Invention, Innovation and Design Exposition 2023 (IIDEX2023) - AVMap Pro V.1: Automatic -Fast-Vectorization of Mapping and Database System (Member)
16. Silver Medal at the Invention, Innovation and Design Exposition 2023 (IIDEX2023) - Cenderakasih (Member)
17. Overall Winner and Gold Medal (Professional Category) at the International Invention, Innovation & Design Exposition for Built Environment & Engineering 2023 (IIIDBEEEX 2023) - Public abstract sculpture in the park: from abundance to environmental importance (Member/Co-Sv)
18. 3rd Place and Gold Medal (Young Inventor Category) - at the International Invention, Innovation & Design Exposition for Built Environment & Engineering 2023 (IIIDBEEEX 2023) - Asean GeoSocieEcoPolitics dashboard (Member/Sv)
19. Gold Medal (Young Inventor Category) - at the International Invention, Innovation & Design Exposition for Built Environment & Engineering 2023 (IIIDBEEEX 2023) - RnR web mapping system@ Peninsular Malaysia (Member/Sv)
20. Gold Medal (Young Inventor Category) - at the International Invention, Innovation & Design Exposition for Built Environment & Engineering 2023 (IIIDBEEEX 2023) - e-Tourism@ Pulau Tioman (Member/Sv)
21. Silver Medal (Young Inventor Category) - at the International Invention, Innovation & Design Exposition for Built Environment & Engineering 2023 (IIIDBEEEX 2023) - Malaysia crime awareness mapping system (MyCAMS) (Member/Sv)
22. Bronze Medal (Young Inventor Category) - at the International Invention, Innovation & Design Exposition for Built Environment & Engineering 2023 (IIIDBEEEX 2023) - e-CAFE@ Petaling Jaya (Member/Sv)
23. Bronze Medal (Young Inventor Category) - at the International Invention, Innovation & Design Exposition for Built Environment & Engineering 2023 (IIIDBEEEX 2023) - The phenomena behind ASEAN's high suicide rate (Member/Sv)
24. Bronze Medal (Young Inventor Category) - at the International Invention, Innovation & Design Exposition for Built Environment & Engineering 2023 (IIIDBEEEX 2023) - Geo drug addicts system: one stop information centre system for drug addicts in Malaysia (Member/Sv)
25. Bronze Medal (Young Inventor Category) - at the International Invention, Innovation & Design Exposition for Built Environment & Engineering 2023 (IIIDBEEEX 2023) ID COVID-19 map: the spreading cases in Surabaya, Indonesia (Member/Sv)

Award and Recognition (2022)

- 26.1st First place and 1 Gold Medal at National Geomatics/Geoinformatics Student Innovation Competition 2022 (10th NGGSIC), 2 & 3 November 2022, Shah Alam -Malaysia Heat Wave: Surviving the Hot Weather In 2021 (Creative Map_Bac. Degree) (Sv)
- 27.1 Best Presenter, 2nd place and 1 Silver Medal at the National Geomatics/Geoinformatics Student Innovation Competition 2022 (10th NGGSIC), 2 & 3 November 2022, Shah Alam - The Mystery Behind Asean's High Suicide Rate (Nggsic 2022-Creative Map-Degree) (Sv)
- 28.1 Silver Medal at USIM e-NOVASI (INOVAS 22), USIM 2022 – Stop Suicide Info Kits (Sv)
- 29.1 Bronze Medal at USIM e-NOVASI (INOVAS 22), USIM 2022 – MyHeatWave Mapper (Sv)
- 30. Best Paper at the ICONBEE 2022 (Sv)
- 31. Overall Winner (UiTM) for AKNC Award UiTM, INQKA, 2022 (RM 14000.00) (Main Author/Committee)
- 32. Overall Winner (Faculty) for AKNC Award UiTM, INQKA, 2022 (RM 7000.00) (Main Author/Committee)
- 33. Best Presenter for AKNC Award UiTM, INQKA, 2022 (RM 1500.00) (Main Author/Committee)
- 34. Overall Winner (PnP) for AKNC Award UiTM, INQKA, 2022 (RM 1500.00) (Main Author/Committee)
- 35. Overall Winner (Process Category) for AKNC Award UiTM, INQKA, 2022 (RM 1500.00) (Main Author/Committee)

Award and Recognition (2021)

- 36.1 Gold Medal and 2 Silver medals at The 6th International Built Environment Undergraduate Research Competition (BEURC 2021), UM
- 37. Best Presenter at the International Building Control Conference (IBCC 2021) UM
- 38. Silver Medal at Crystal IDEA Online Distance Innovation Competition, UiTM Perlis 2021
- 39. IAKNC UiTM (3 Awards) as a Committee / Report Writers
- 40. Silver medal at eCondave UiTM2021-MOOC of Getting to know Land Title
- 41. Upgrading RIG to RG; Environmental and Social Health RG UiTM
- 42. Winner for the Innovation and Commercialisation Award in Majlis Anugerah Kecemerlangan FSPU (MAKEF), 2021
- 43. Winner for the Innovation Award in Majlis Anugerah Kecemerlangan FSPU (MAKEF), 2021 Winner for the Best Researcher Award in Majlis Anugerah Kecemerlangan FSPU (MAKEF), 2021

Award and Recognition (2020)

- 44. UiTM Top 10 Promising Researcher, 2020

45. Outstanding Researcher Award at the International Conference on Recent Advances in Engineering, Computing and Applied Sciences (RAECASS, 2020)
46. Best Paper Award at the International Conference on Recent Advances in Engineering, Computing and Applied Sciences (RAECASS, 2020)
47. Silver Medal -IIDEX 2020 Invention, Innovation & Design Exposition UiTM
48. Bronze Medal -IIDEX 2020 Invention, Innovation & Design Exposition UiTM
49. Gold Medal-The 9th International Innovation, Invention & Design Competition (INDES2020)
- 50.2 Silver Medal-University of Malaya-The 5th International Built Environment Undergraduate Research Competition (BEURC)
51. and 1 Bronze Medal-University of Malaya-The 5th International Built Environment Undergraduate Research Competition (BEURC)
- 52.1 Silver Medal - International Innovation, Invention & Design COMPETITION 2020 (ICON)
- 53.1 Special Award (Top 5 Innovation) – IIMOS-International Information Management Online Showcase 2020
- 54.1 Gold Medal– IIMOS-International Information Management Online Showcase 2020
- 55.1 Gold Medal – International Sciences, Technology and Engineering Conference (ISTEC 2020): Advanced Geospatial and Surveying (AGeoS) 2020
- 56.1 Bronze Medal - The International Virtual Educational Invention, Innovation, and Design Competition 2020 (iVEDIIC2020)
57. The Best Writers Award – Majlis Kecemerlangan Fakulti, FSPU (MAAF 2019)-Held in 2020
58. The Best Product Innovation and Commercialization Award – Majlis Kecemerlangan Fakulti, FSPU (MAAF 2019), Held in 2020
59. Most Innovative Medal Award Recipients – Majlis Kecemerlangan Fakulti, FSPU (MAAF 2019), Held in 2020

Award and Recognition (2018-2019)

60. Diamond Award -Invention, Innovation and Design Exhibition (IIDEX) UiTM 2019
- 61.2 Gold Medals- Invention, Innovation and Design Exhibition (IIDEX) UiTM 2019
62. Best Paper Overall - 3rd International Language & Tourism Conference 2019, UIA Johor (Supervisor)
- 63.1st Runner Up winner (Best paper) - 3rd International Language & Tourism Conference 2019, UIA Johor (supervisor)
- 64.1 Silver medal -Innovation Competition UM, PRIN-KAB 2019, UKM
- 65.3 Bronze Medals-Innovation Competition UM, PRIN-KAB 2019, UKM
66. Overall Winner for KKM Health Innovation Competition 2019 (MOSCO)
67. Best Booth (Popular) at Ekspo Selangkah UiTM 2019 (Team member)
68. Graduate of Time (GoT) Award for PhD, USM.
69. Excellent PhD Thesis Award, USM

70. External Recognition Award, USM
71. 2nd Place for Outstanding Contributor to the FSPU Achievement at FSPU Excellence Award Ceremony 2018 (Student Supervisor Category)
72. 3rd Place for Outstanding Contributor to the FSPU Achievement at FSPU Excellence Award Ceremony 2018 (Staff Category)
- 73.1 Gold Medal- National e-Content Development Competition (Econdave2018) di Dewan SriBudiman UiTM Shah Alam. 2018
- 74.2 Gold Medals- ISSCIC 2018 – International Social Science Conference & Innovation Competition, 2nd and 13th July 2018, MMU Melaka
- 75.1 Silver Medal- International Research Innovation, Invention & Solution Exposition (IRIISE) 31 July, 2018, Faculty of Built Environment, University Malaya
76. Best Poster Presenter (Supervisor)- International Conference on Built Environment and Engineering 2018 (ICONBEE), Johor 23 Oct 2018
77. First Place (Product-As team member) Anugerah Inovasi the Ministry of Health Innovation Award (KKM 2018)
78. First Place- (Supervisor) Multimedia Video Competition National Geospatial Information Symposium, NGIS 2018
79. Second Place- (Supervisor) Multimedia Video Competition National Geospatial Information Symposium, NGIS
80. Third Place- (Supervisor) Multimedia Video Competition National Geospatial Information Symposium, NGIS
81. Most FB Like Award- (Supervisor) Multimedia Video Competition National Geospatial Information Symposium, NGIS

Society Contribution

1. TB CSR Activities September 2019, Collaborations between USM, JKNS Selangor and UiTM PPSUG
2. Design and Development of E-OKU for UPKO UiTM 2020 (Free consultancy)
3. Design and Development of Topography Mapping for PTAR 2020 (Free consultancy)
4. Design and Development of Mobile Apps for Jabatan Kesihatan Negeri Selangor (Unit TB), 2020 (Free consultancy)

Other Activities (2021-2022)

1. Committee of UiTM Global in UiTM Selangkah ke UiTM @ IVITY Conve Centre, Shah Alam, 2022 (Jun 2022)
2. Invited /Selected Participant - Pioneering Research Leaders Program UiTM, 29 - 30 NOVEMBER 2021
3. Committee – FSPU Strategic Action Planning Workshop, 2021-2025, 24-25 November 2021.

4. Committee and Paper Presenter- 5TH International Conference on Research Methodology For Built Environment and Engineering (ICRMBEE 2021)
5. Presenter- Virtual Go Green: Conference & Publication, UiTM Perak 2021
6. Invited Speaker- International Research Network Nigeria Webinar "Combating Infectious Disease with Cartography and GIS:"
7. Presenter 2 papers - International Conference Geospatial Asia-Europe 2021 GeoAdvances 2021
8. Presenter 2 papers - The International Building Control Conference (IBCC) 2021
9. Participant for 3 products (Sv) - The 6th International Built Environment Undergraduate Research Competition (BEURC) 2021

Other Activities (2010-2020)

10. Chairman Session- 10th IGRSM International Conference and Exhibition on Geospatial & Remote Sensing (IGRSM 2020)
11. Presenter- 2020 3rd International Conference on Recent Advances in Engineering, Computing and Applied Sciences (RAECAS2020)
12. Presenter- 2020 IEEE International Conference on System Engineering and Technology (ICSET2020)
13. Presenter- 7th International Conference on Science and Social Research (CSSR2020) 13. Presenter- Health GIS 2020
14. Presenter- International Information Management Online Showcase (Iimos) 2020
15. Presenter- International Sciences, Technology & Engineering Conference (ISTEC): Advanced Geospatial and Surveying (AGeoS) 2020
16. Presenter- The 9th International Martial Arts & Combat Sports Scientific Society (IMACSSS) Conference And 2nd Global Scientific Martial Arts and Cultural Congress (GSMACC) 2020
17. Virtual Poster Presenter- BEURC 2020- ONE FREE AND OPEN GIS (Onefogis) SOURCE PLATFORM FOR HEALTH AND BUILT ENVIRONMENT APPLICATIONS
18. Virtual Poster Presenter -BEURC 2020- Air movement conditions and carbon dioxide concentration levels in an open-plan office
19. Virtual Poster Presenter-ICON UiTM 2020- Visual comfort analysis of a lecture room