

### **ZAHARAH MOHD. YUSOFF** **(Assoc. Prof. Dr)**

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Research Interest Group  
Responsive Environmental Development Research Group  
Sci Renew UiTM

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### **Areas of Expertise**

Urban Planning, Accessibility and Mobility Studies, Land Administration, Land Development

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<https://www.researchgate.net/profile/Zaharah-Yusoff>  
<https://scholar.google.com.my/citations?user=m6T4zLoAAAAJ&hl=en>

### **Personal Information**

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### **Academic Qualifications**

PhD (Specialisms in the Built Environment) 2012 UiTM  
MSc (Land Resource Management and Development) UPM  
BSc (Land Administration and Development) UTM  
Diploma in Town and Regional Planning UTM

### **Professional Members**

1. Member of Malaysia Professional Land Society, No: 0149/2021/2 (APERT)
2. Assoc. Member of MIP Malaysia/12 Jan 2018

## Teaching and Learning

1. Master of Urban Development & Management, 2019, Urban Management and Governance (UDM 712), Lecture
2. Master of Urban Space & Development, 2019, Urban Governance (USD 731), Lecture
3. Degree, 2002-current, Urban & Regional Planning (GLS685/SUG692/SUG662), Lecture and Practical
4. Degree, 2010-current, Land Evaluation and Utilization (GLS618/EMT660), Lecture and Tutorial
5. Degree, 2016, Project Management (MGT632), Lecture and Tutorial
6. Diploma, 2002-2005, Land Information Management, Lecture and Practical
7. Diploma, 2002-2007, Urban and Regional Planning, Lecture and Practical

## Student Supervision

### PhD Supervision

1. Cai Ling (2021971089), PhD, Agriculture Land Development Framework for Pastoral Complex in China, **Main Supervisor**, Active
2. Liyana Zainudin (2020286456), PhD, The Effects of Contradictory in Land Use Plans and Policies to Land Revenue in the District of Petaling, **Main Supervisor**, Active
3. Fazzami bin Othman (2017384993), PhD, Analyzing the Criminogenic Nature of Spatial Layout using the Integrated Technology of Space Syntax, **Main Supervisor**, Active
4. Nur Amirah Zulkiflee (2019328451), PhD, Public Transport User Behaviour among University Students in Petaling Jaya, **Main Supervisor**, Active
5. Mohamad Shahir Samsudin (Id:2015356985), PhD, The Development of Liveable City Index for Malaysia Cities using GIS, Co Supervisor, Active
6. Aziz bin Mustapha (2019611338), PhD, Part 1-4, Factors Influencing the Impact of a New Smart City on Regional Development of Cyberjaya, Co Supervisor, Active
7. Kamarul Ariff Omar (2014626458), PhD, Neighbourhood Built Environment Features for Youth in Low-Cost Housing of Lembah Pantai Kuala Lumpur, Co Supervisor, *Viva Completed*

### MSc Supervision

1. Nur Adilla binti Nordin (2015561405), MSc Research Thesis, GIS Based Identification of Heat Concentration in Urban Residential Area, **Main Supervisor**, *Viva Completed*
2. Fazzami bin Othman (2013851148), MSc Research Thesis, Exploring the Relationship between Residential Spatial Configuration and Burglary Crime Location in Urban Residential Area, **Main Supervisor**, *Graduated*
3. Intan Syuhana binti Aziz (2012454938), MSc Research Thesis, Determination of Safe Route to School for Walking Children, **Main Supervisor**, *Graduated*
4. Adzlia Noor Nadiyah Abdul Rahman (2012652888), MSc Research Thesis, Smart Commuting for Urban Low-Cost Residents to Workplace, **Main Supervisor**, *Graduated*
5. Noor Shafiqah Che Omar (2012169177), MSc Research Thesis, Land Use Land Cover Forecasting Impact Hydrological Response in the Monsoon Catchment Area, Co Supervisor, *Graduated*
6. Muhammad Firdaus bin Mohommad (2016360231), MSc Dissertation, Interaction Between Places and Activity for Beach Tourism Corridor of Coastal Melaka Tengah using GIS, **Main Supervisor**, *Graduated*
7. Nur Syuhada binti Aijimi (20186899726), MSc Dissertation, Vehicle Theft in Relation to Urban Design of Subang Jaya, **Main Supervisor**, *Graduated*

## BSc Supervision

1. Nurafiqah Nazla Zakaria (2018438112), Analyzing Urban Green Space Studies in Kuala Lumpur City Hall Administrative Area using GIS, *Active*.
2. Mira Elina Kamarul Zaman (2018262288), Location Suitability Analysis of Urban Growth in Sendayan, Malaysia, *Active*.
3. Norazrina Md Ramlan (2017722299), Identifying Factors Influencing the Development Growth of Rembau, Negeri Sembilan using GIS and Remote Sensing, *Active*.
4. Leonney Lioho (2016709021), 2020, Land Development Growth Analysis in Kapar using GIS, *Active*.
5. Siti Nur Nadiah Sh Salleh (2017699994), 2020, Sidewalk Efficiency Studies for Walkability in Shah Alam using GIS, *Graduated*.
6. Nur Eizliana binti Norazli (2017699988), 2020, Planning for Cycling Paths Routes to School using GIS, *Graduated*.
7. Farah Hanee binti Mohd Yusak (2016728007), 2019, Exploring the Safety Parameters for Female Users at Light Rail Transit (LRTs) using GIS, *Graduated*.
8. Nur Athikah binti Abdul Jamil (2016326633), 2019, Soil Suitability Analysis for Paddy Potential Area in Tanjung Karang, *Graduated*.
9. Muhamad Zulhilmi Ilahi b Fazal Ilahi, 2019, The Impact of Institutional Development on Rural Area: A Case Study of Puncak Alam, *Graduated*.
10. Erick Philip (2015102733), 2019, Analyzing the Potential Parking Spaces for Public Transport User (KTM) in Urban Area, *Graduated*.
11. Siti Nur Sabrina binti Azaudin (2015155389), 2018, Determination of Failure Factors in Supermarket Planning, *Graduated*.
12. Muhammad Fazrul Shafiq Bin Alias (2015278838), 2018, Monitoring Agriculture Drought in Northern Region of Peninsular Malaysia using Modis NDVI and LST Data, *Graduated*.
13. Muhamad Hilman Bin Hisamudin (2015282752), 2018, Effects of Development on Surface Temperature in Kuantan, *Graduated*.
14. Muhammad Irfan Bin Othmam (2015229374), 2018, The Relationship between City Space and Temperatures Climb in Johor Baharu, *Graduated*.
15. Qairul Atiq Bin Badrom Azim, 2017, A Study of Accessibility Effectiveness of Urban Transformation Centre (UTC) in Kuala Lumpur, *Graduated*.
16. Emma Rohaya Binti Abdullah Baawi (2014632198), 2017, Land Mines Suitability Analysis for Recreational Park Development in Selangor State, *Graduated*.
17. Mohd Akashah Shaikh Ibrahim (20122173061), 2017, Malay Reserve Land Development Studies at Klang District: A Projection for Malays Accommodation, *Graduated*.
18. Wan Nor Adibah Wan Ahmad (2012741571), 2017, Land Administration Database for Land Official Search Process, *Graduated*.
19. Nur Ain Husna Binti Awang Ibrahim (2014449992), 2017, Land Suitability Analysis for Eco-tourism (Fishery Village) using GIS, *Graduated*.
20. Muhammad Azhar Bin Khilmy (2014512095), 2017, Evaluating Urban Development Factors in Bangi, Selangor using Remote Sensing and GIS, *Graduated*.

## Publications

1. Liyana Zainuddin (*PhD student*), **Zaharah Mohd Yusoff**, Saiful Aman Sulaiman, Jaiya Abu, 2021, The Effects of Contradictory in Land Use and Land Policy to Land Revenue in the District of Petaling: A Preliminary Study, Asia Proceeding of Social Sciences (APSS); [www.readersinsight.net/APSS](http://www.readersinsight.net/APSS)

2. Fazzami Othman (*PhD student*), **Zaharah Mohd Yusoff**, Siti Aekbal Salleh, 2020, The Impact of Physical Features and Environment on Crime in Urban Neighbourhood Areas, *Planning Malaysia Journal*, *Journal of the Malaysian Institute of Planners*, Vol XIII, Q3
3. Fazzami Othman (*PhD student*), **Zaharah Mohd Yusoff**, Siti Aekbal Salleh, 2020, Assessing the Visualisation of Space and Traffic Volume using GIS-based Processing and Visibility Parameters of Space Syntax, *Geo-spatial Information Science (GSIS) Journal*, Q1
4. Fazzami Othman (*PhD student*), **Zaharah Mohd Yusoff**, A Rauf A Rasam, 2019, Isovist and Visibility Graph Analysis (VGA): Strategies to evaluate visibility along movement pattern for safe space”, *IOP Conf. Series: Earth and Environmental Science* 385 012024 IOP Publishing doi:10.1088/1755-1315/385/1/012024
5. Fazzami Othman (*PhD student*), **Zaharah Mohd Yusoff**, Siti Aekbal Salleh, Identifying Risky Space Neighbourhood: an Analysis of the Criminogenic Spatio-temporal and Visibility on Layout Design, eIPH Ltd. UK, Indexed in Clarivate Analytics WoS, and ScienceOPEN, DOI: <https://doi.org/10.21834/ebpj.v4i12.1908>
6. **Zaharah Mohd Yusoff**, Dasimah Omar, Yusfida Ayu Abdullah, Nur Adilla Nordin, Hafiz Arif, 2019, Health Routes to School (HRTS) for Overweight and Obesity Childhood, *Journal of Mechanics of Continua and Mathematical Sciences*, Special Issue-1, pp734-744, Indexed in Clarivate Analytics (WOS); IF:2.2159 doi.org/10.26782/jmcms.2019.03.00073
7. Nur Adilla Nordin (*MSc student*), **Zaharah Mohd Yusoff**, Nor Aizam Adnan, Ainon Nisa Othman, 2019, Urban Built-up Effects to Land Surface Temperature, *Journal of Mechanics of Continua and Mathematical Sciences Special Issue-1*, pp734-744, online: 2454-7190, Indexed in Clarivate Analytics (WOS); IF:2.2159doi.org/10.26782/jmcms.2019.03.00074
8. **Zaharah Mohd Yusoff**, Fazzami Othman, Identification of the Criminogenic Nature in City Space, 2019, Technical Report, RMC UiTM, GIP Research grant report.
9. Mohd Asri Hakim Mohd Rosdi, Ainon Nisa Othman, Zulkiflee Abd Latif, **Zaharah Mohd Yusoff**, 2019, GIS based probabilistic Method in Sinkhole Susceptibility Hazard Zones, *Indonesian Journal of Electrical Engineering and Computer Science* Vol. 16, No3, PP 1539-1546. ISSN: 2502-4752 Doi:10.11591/ijeecs. v16.i3. pp1539-1546
10. Dasimah Omar, Kamarul Ariff Omar, Zuriyati Kamaludin, Saberi Othman, **Zaharah Mohd Yusoff**, 2018 Rural Development and The Level of Public Facilities Provision for Youth in Malaysia, DOI: <http://dx.doi.org/10.21837/pmjournal. v16.i7.498>
11. Noor Ashikin Abd Rahman, Yusfida Ayu Abdullah, Na'asah Nasrudin, **Zaharah Mohd Yusoff**, 2018, Assessing Urban Public Transportation Institutional Framework in Klang Valley, <http://dx.doi.org/10.21837/pmjournal. v16.i7.504>
12. Adnan, N. A., Bakar, S., Mazlan, A. H., **Yusoff, Z. M.** & Rasam AR, 2018, Comparative Study of Cocoa Black Ants Temporal Population Distribution Utilizing Geospatial Analysis, *IOP Conference Series: Earth and Environmental Science*. 117, 1, 012041.
13. Mohd Asri Hakim Mohd Rosdi, Ainon Nisa Othman, Muhamad Arief Muhd Zubir, Zulkiflee Abdul Latif & **Zaharah Mohd Yusoff** Sinkhole Susceptibility Hazard Zones using GIS and Analytical Hierarchical Process (AHP): A Case Study of Kuala Lumpur and Ampang Jaya, *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences Journal*; pg. 145-151; Volume XLII-4 [Scopus]
14. **Zaharah Mohd Yusoff**, Faez Shamin, Hafiz Arif, Nur Adilla Nordin, Nor Aizam Adnan, 2017, School Location and Mobility Effects to Obesity Cases among Primary School Children, *Advanced Science Letters*, American Scientific Publishers; pg no. 6377-6380; Vol. 23; Issues: 7 [Scopus] Q2

15. Adnan, N.A., Razi, N.M., **Yusoff, Z.M.** & Latif, Z.A; Spatial Temporal Estimation and Analysis Of Carbon Sequestration, 2017,Advanced Science Letters, American Scientific Publishers; pg no. 6377-6380;Vol. 23; Issues: 7 [Scopus] Q2
16. Nor Aizam Adnan, Saripah Bakar, Adam Harith Mazlan, **Zaharah Mohd Yusoff**, Abdul Rauf Abdul Rasam. 2017. Comparative Study of Cocoa Black Ants Temporal Population Distribution Utilizing Geospatial Analysis. 3<sup>rd</sup> International Conference on Research Methodology for Built Environment and Engineering (ICRM BEE 2017). 8<sup>th</sup> – 9<sup>th</sup> Nov. 2017, Best Western Hotel I-City, Shah Alam, Selangor.
17. Nor Aizam Adnan, Saripah Bakar, A H Mazlan, Abdul Rauf Abdul Rasam, **Zaharah Mohd Yusoff**. 2018. Comparative Study of Cocoa Black Ant's Temporal Population Distribution Utilizing Geospatial Analysis, February 2018 IOP Conference Series Earth and Environmental Science 117(1):012041 DOI: 10.1088/1755-1315/117/1/012041
18. Intan S. Aziz (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Haji Omar, 2015, Route Network Planning for Children Safer Journey to School, International Journal of Tomography & Simulation, CESER Publication, page no: 60-68, Vol: 28, issues: 3
19. Adzlia Noor Nadiyah Rahman (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Omar, 2015, Smart Commuting for Urban Working Family to Workplace, Science Direct-Proceedia - Social And Behavioral Sciences: Volume 184, 20 May 2015, Pages 252-258, ELSEVIER
20. Adzlia Noor Nadiyah Rahman (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Omar, Travel to Work Patterns of Low-income People In Urban Area", Jurnal Teknologi, page no: 63-66, Vol: 71, issues: 5, 1 December 2014, UTM PRESS
21. Adzlia A Rahman (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Omar, Intan S. Aziz, reducing Employee Travelling Time through Smart Commuting,' Iop Conference Series: Earth and Environmental Science, IOP Publishing Ltd. Page no: 1, vol: 18
22. Intan Aziz (*MSc Student*), **Zaharah Mohd Yusoff**, Abd Rauf Abd Rasam, Dasimah Omar, Adzlia A Rahman, " Empirical Estimation of School Siting Parameter towards Improving Children," Iop Conference Series: Earth and Environmental Science, IOP Publishing Ltd. Page no: 1, vol 18
23. Siti Aekbal Salleh, Rabiatal Adawiyah Nasir, **Zaharah Mohd Yusoff**, The Crime Ecology: Ambient Temperature Vs. Spatial Setting Of Crime (burglary), Procedia-social And Behavioral Sciences, SciVerse Elsevier, page no: 212-222, Vol: 42, issues: 2012
24. Kamarul Ariff Omar (*PhD Student*), Dasimah Omar, Saberi Othman, **Zaharah Mohd Yusoff**, Reviewing Youth Facility Requirements for Low-cost Housing in Malaysia, Procedia-social and Behavioral Sciences
25. Dasimah Omar, **Zaharah Mohd Yusoff**, Kamarul Ariff, Saberi Othman, Youth Participation in Urban Neighbourhood Community, Science Direct Procedia-Social and Behavioral Sciences, Elsevier Ltd, page no: 309, vol:234
26. Kamarul Ariff Omar (*PhD Student*), Dasimah Omar, **Zaharah Mohd Yusoff**, Saberi Othman, The Relationship between Youth Activities and Outdoor Features in Urban Neighbourhood Space, ScienceDirect Procedia-Social and Behavioral Sciences, Elsevier Ltd, page no:271, vol: 234
27. Kamarul Ariff Omar (*PhD Student*), Dasimah Omar, **Zaharah Mohd Yusoff**, Saberi Othman, Walkability Design for Urban Public Housing Park, Environment-Behaviour Proceedings Journal, eIPH (e-International Publishing House Ltd. UK, page no: 311, vol:1, issues:3
28. **Zaharah Mohd Yusoff**, Dasimah Omar, Zulkiflee Abd Latif, Abd Manan Samad, Applicability of geographic information system in assessing and mobility of urban lower-income family living, 2010 6<sup>th</sup> International Colloquium on Signal Processing & Its Applications (CSPA2010) Faculty of Electrical Engineering, Universiti Teknologi MARA (ASPRG, FEE, UiTM), 21 May 2010, Mahkota Hotel, Melaka, (IEEEExplore cited publication)

29. **Zaharah Mohd Yusoff**, Dasimah Omar, Fazzami Othman, A.N.N.A Rahman, Akma Ramazan, Green mobility Concept and the Readiness of Public Transportation Sector in Malaysia, Programme and Abstract Book for GTSD Conference 24 October 2018, Best Western Hotel, I-City Shah Alam.
30. Fazzami Othman, (*MSc Student*), **Zaharah M. Yusoff**, Eran S.S.M Sadek, A.R.A Rasam, Urban Street Configuration for Sustainable and Safe Community, Programme and Abstract Book for GTSD Conference 24 October 2018, Best Western Hotel, I-City Shah Alam.
31. Dasimah Omar, Kamarul Ariff Omar, **Zaharah Mohd Yusoff**, A Mixed Methods Research on recreation Space for Youth in Malaysia, Programme and Abstract Book for GTSD Conference 24 October 2018, Best Western Hotel, I-City Shah Alam.
32. Dasimah Omar, **Zaharah Mohd Yusoff**, Saiful Aman Sulaiman, Nor Aizam Adnan, Othman Yusof; *Laporan Awal, Laporan Penemuan dan Laporan Akhir; Kajian Inventori dan Potensi Pembangunan Badan Air - Bekas Lombong di Negeri Selangor 2016 diterbitkan oleh JPBD/KPKT*
33. **Zaharah Mohd Yusoff**, Faez Shamin, Hafiz Arif, Nor Adilla Nordin, Nor Aizam Adnan, School Location and Mobility Effects to Obesity Cases among Primary School Children, International Conference on Architecture & Built Environment ICABE2016, 5-6 October 2016, Premiera Hotel Kuala Lumpur.
34. Nor Aizam Adnan, Noorazwani Mohd Razi, **Zaharah Mohd Yusoff**, Zulkiflee Abd Latif, Geospatial Temporal Estimation and Analysis of Carbon Sequestration in Taman Botani Negara Shah Alam, International Conference on Architecture & Built Environment ICABE2016, 5-6 October 2016, Premiera Hotel Kuala Lumpur.
35. **Zaharah Mohd Yusoff**, Nor Aizam Adnan, Fazzami Othman, Income and Limits of Low-income Earner in the City: Quantifying the Transportation Affordability, TICSS Conference 17-19 December 2014, Japan Higher Education Forum, Toshi Centre Hotel, Tokyo, JAPAN
36. Adzlia Nor Nadiah Abdul Rahman, (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Omar, Coordinated Public Transportation Workplace Route Network, TICSS Conference 17-19 December 2014, Japan Higher Education Forum, Toshi Centre Hotel, Tokyo, JAPAN
37. Intan Syuhana Aziz (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Omar, Walking Measure to School: Short Route or Safe Route, TICSS Conference 17-19 December 2014, Japan Higher Education Forum, Toshi Centre Hotel, Tokyo, JAPAN
38. Fazzami Othman, (*MSc Student*), **Zaharah Mohd Yusoff**, Eran Sadek Said Md Sadek, Exploring the Spatial Configuration of Housing Layout and Residential Burglary Event in Klang Valley: A Review of Literature" TICSS Conference 17-19 December 2014, Japan Higher Education Forum, Toshi Centre Hotel, Tokyo, JAPAN- *Winning the Best Paper Award*
39. Adzlia Noor Nadiah Abdul Rahman, (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Omar, "Travel Characteristic and Pattern to the Employment Area", IGCESH Conference 19 August 2014, UTM Skudai, Johor
40. Intan Syuhana Aziz, (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Omar, GIS Route Network Analysis for Safe Journey to School, IGCESH Conference 19 August 2014, UTM Skudai, Johor
41. **Zaharah Mohd Yusoff**, Nor Aizam Adnan, Abdul Rauf Abdul Rasam, "[H+T] Affordability Index for Low-Cost Housing Location-Distribution Procedure", Arte-Polis 5 Intl Conference, Reflections on Creativity: Public Engagement and the Making of Place, 8-9 August 2014, Institute Technology Bandung (ITB), INDONESIA
42. Adzlia Noor Nadiah Abd Rahman (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Omar, Smart Commuting for Urban Working Family to Workplace, Arte-Polis 5 Intl Conference, Reflections on Creativity: Public Engagement and the Making of Place, 8-9 August 2014, Institute Technology Bandung (ITB), INDONESIA



43. Fazzami Othman (*MSc Student*), **Zaharah Mohd Yusoff**, Eran Sadek Said Md Sadek, Nor Aizam Adnan, GIS-Based Measures of Burglary and Connectivity to Housing Layout, International Real Estate Research Symposium 29 April 2014, Valuation and Property Services Department, INSPEN, Ministry of Finance Malaysia
44. Adzlia Noor Nadiah Abd Rahman (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Omar, Reducing Employee Travelling Time through Smart Commuting ISDE Conference, 24 August 2014, Kuching, Sarawak
45. Intan Syuhana Aziz (*MSc Student*), **Zaharah Mohd Yusoff**, Dasimah Omar, Empirical estimation of school siting parameter towards improving children's safety, ISDE Conference, 24 August 2014, Kuching, Sarawak
46. **Zaharah Mohd Yusoff**, Dasimah Omar, Nor Aizam Adnan, Abdul Rauf Abdul Rasam, Assessing Transportation Expenditure in Affordability Measurement of Urban Rental Low-cost Housing Schemes, Malaysian Institute of Planners, 8th November 2012, Kuala Lumpur, Malaysia
47. **Zaharah Mohd Yusoff**, Dasimah Omar, Kamaluddin Talib, Siti Aekbal Salleh, Measuring Transportation Affordability of Low-cost Living in Kuala Lumpur City Hall Administrative Area, IUSRCE 5 October 2010, PWTC Kuala Lumpur
48. **Zaharah Mohd Yusoff**, Dasimah Omar, Analysing Accessibility and Mobility of Public Low-income Housing using Spatial and Multi-criteria Analysis, ISG Conference, UPM, 10th Jan 2009, Kuala Lumpur
49. Nor Aizam Adnan, **Zaharah Mohd Yusoff**, Abdul Rauf Abdul Rasam, Zuraini Basarudin, Land Use Changes Scenarios Study on Flood Peak Discharge and Runoff Volume Estimation, Malaysian Institute of Planners, 8th November 2012, Kuala Lumpur, Malaysia
50. Nor Aizam Adnan, **Zaharah Mohd Yusoff**, Flood Inundation Estimation and Inventory Of Sungai Muda, Kedah Floodplain, Malaysia", Arte-Polis 5 Intl Conference, Reflections on Creativity: Public Engagement and the Making of Place, 8-9 August 2014, Institute Technology Bandung (ITB), INDONESIA
51. Nor Syafiqah Omar, (*MSc Student*), Nor Aizam Adnan, Zaharah **Mohd Yusoff**, Simulating WHAT-IF Scenario for Land Development Projections in Kelantan, Malaysia, Arte-Polis 5 Intl Conference, Reflections on Creativity: Public Engagement and the Making of Place, 8-9 August 2014, Institute Technology Bandung (ITB), INDONESIA.
52. Nor Aizam Adnan, **Zaharah Mohd Yusoff**, Abdul Rauf Abdul Rasam, Climate Variability and Anthropogenic Impacts on a Semi-Distributed Monsoon Catchment Runoff Simulations, IEEE Control Systems Society, 7 March 2014, Berjaya Times Square Hotel, Kuala Lumpur
53. Nor Aizam Adnan, **Zaharah Mohd Yusoff**, 2006. Geo-spatial Approach for Incinerator Site Suitability Study in Semenyih, Colloquium on Signal Processing and Its Applications (CSPA 2006), Malaysia.
54. Nor Aizam Adnan, **Zaharah Mohd Yusoff** and Pauziyah Mohd Salim, 2005. GIS Technique for Incinerator Site Suitability Study, Technical Report. Institute of Research, Development and Commercialization, Universiti Teknologi MARA. Malaysia.
55. Adnan NA, **Yusoff ZM**. 2006. Geo-spatial Approach for Incinerator Site Suitability Study in Semenyih, Colloquium on Signal Processing and Its Applications (CSPA 2006), Malaysia.
56. Abdul Rauf Abdul Rasam, **Zaharah Mohd Yusoff**, Nor Aizam Adnan, Dasimah Omar, towards Semantic Geographical Information System for Sharing and Delivering Urban Geospatial Data in Klang Valley, Malaysia, Malaysian Institute of Planners, 8th November 2012, Kuala Lumpur, Malaysia.

57. Abdul Rauf Abdul Rasam, **Zaharah Mohd Yusoff** "Geovisualization for Monitoring Urban Heat Island Towards Green City in Shah Alam", Community and Alumni Networking, 16 April 2012, UiTM Perak
58. Abdul Rauf Abdul Rasam, Rosmadi Ghazali, **Zaharah Mohd Yusoff**, Integrating Open Source GIS and Google Earth for Managing Rural Waterborne Outbreaks, IEEE Malaysia Section, IEEE Malaysia Power Electronics, Industrial Electronics & Industrial Applications Joint Chapter, 7 March 2014, Kuala Lumpur, Malaysia
59. Adnan NA, Atkinson PM, **Yusoff ZM**. 2011. Integration of GIS and Hydrological modeling for a monsoon catchment: Past and current runoff simulations. International Symposium on Geoinformation (ISG2011) 27 – 29 September 2011, SACC, Shah Alam, Selangor, Malaysia.
60. Siti Aekbal Salleh, Rabiatal Adawiyah Nasir, **Zaharah Mohd Yusoff**, The Crime Ecology: Remote Sensing Derived Surface Temperature Vs. Crime Convicted (Burglary)", CEBs 6 July 2010, Riverside Majestic Hotel, Kuching, Malaysia
61. Kamarul Ariff Omar, (*PhD Student*), Dasimah Omar, Saberi Othman, **Zaharah Mohd Yusoff**, Reviewing Youth Facility Requirements for Low-cost Housing in Malaysia, ASEAN-Turkey ASLI Conferences on Quality of Life 2015, AcE-Bs VER 2: AicQol2015 Jakarta, Indonesia 25-27 April 2015
62. Dasimah Omar, **Zaharah Mohd Yusoff**, Kamarul Ariff Omar, Saberi Omar, Youth Characters and Outdoor Space Development: A mixed-method study on Public Housing in Urban area, FSPU, UiTM Shah Alam

## Research Grants and Contracts

1. Dasimah Omar, **Zaharah Mohd Yusoff**, Nor Aizam Adnan, Othman Mohd Yusof, Saiful Aman Sulaiman, KPKT-JPBD-UiTM, *Kajian Inventori Badan Air (Bekas Lombong) Negeri Selangor*, 2016-2017-Researcher, RM400,000-Completed
2. **Zaharah Mohd Yusoff**, Zulkiflee Abd Latif, Abdul Rauf Abdul Rasam, Aion Nisa Othman, 2019-2020, Multiple Visibility Network Model for Smart and Safe Society, FRGS, RM 56200, **Project Leader-Active**
3. **Zaharah Mohd Yusoff**, Fazzami Othman, 2018-2020, Identification of the Criminogenic Nature in City Space GIP, RM 25000, **Project Leader-Completed**
4. Dasimah Omar, Marlyana Azzyati Marzhuki, **Zaharah Mohd Yusoff**, Oliver Ling Hoon Leh, 2018-2020, Augmenting Youth Participation in Vertical Living Communities by Indoor Activities LESTARI, RM 20000, Project Member-Active
5. Abdul Rauf Abdul Rasam, Abd Manan Samad, **Zaharah Mohd Yusoff**, Farrah Ayuni Sahafea @ Shafiea, 2019-2020, Geoepidemic Model of Human Lifestyle Interaction in Tuberculosis Risk Transmission, FRGS, RM 49000, Project Member-Active
6. **Zaharah Mohd Yusoff**, Dasimah Omar, Fatimah Yusof, Nik Hanzta @ Hanita Nik Mohamad, Saniah Ahmad Zaki, Subramaniam a/k Karuppannan, 2015-2018, Built Environment and Well Being (BEWe), REI Grant, RM 32000, **Project Leader-completed**
7. Aion Nisa Othman, Zulkiflee Abd Latif, **Zaharah Mohd Yusoff**, 2016, Multicriteria Decision Making for Sinkhole Susceptibility Hazard Zones, FRGS, RM 77300, Project Member-completed
8. Nor Aizam Adnan, **Zaharah Mohd Yusoff**, Aion Nisa Othman, Arnis Asmat, 2016, Geospatial Relationship Analysis of Cocoa Pod Characteristics and Ripening Stages, LESTARI, RM20000, Project Member-Completed
9. **Zaharah Mohd Yusoff**, Kamaludin Talib, Dasimah Omar, Nor Aizam Adnan, Abd Rauf A Rasam, 2012-2014, Transportation Affordability of Lower-Income Earner Using Collaborative Geospatial Techniques in Southwest Region Peninsular Malaysia, National MOSTI-SF Grant, RM 91300, **Project Leader-Completed**



10. **Zaharah Mohd Yusoff**, Dasimah Omar, Nor Aizam Adnan, 2012, Transportation Affordability of Lower-Income Earner Using Collaborative Geospatial Techniques in Southwest Region Peninsular Malaysia Part II, Dana SG, RM10000, **Project Leader-Completed**
11. Nor Aizam Adnan, **Zaharah Mohd Yusoff**, 2013, Quantifying Land Use Changes and Climate Variability Impacts on The Hydrological Response of The River Kelantan Catchment, National MOSTI-SF Grant, RM69100-Project Member-*Completed*
12. Nor Aizam Adnan, **Zaharah Mohd Yusoff**, 2013, Quantifying Land Use Changes and Climate Variability Impacts on The Hydrological Response of The River Kelantan Catchment Part II Dana SG Grant, RM10000, Project Member- *Completed*
13. Abd Rauf Abd Rasam, Juazer Rizal Hamid, Rosmadi Ghazali, **Zaharah Mohd Yusoff**, 2011, Constructing a Geospatial Framework for Health Malaysian Problem and Decision Making MyGeoHealth Framework, ERGS Grant, RM50000, Project Member-*Completed*
14. Dasimah Omar, **Zaharah Mohd Yusoff (PhD)**, 2009, Evaluating Public Low-Cost Flats Accessibility with GIS Techniques: A Case Study of City Hall Kuala Lumpur Development Area, Dana Kecemerlangan, RM10000, Project Member-*Completed*
15. **Zaharah Mohd Yusoff**, 2006, Survey Requisition Database System for Land Registration, SSP, RM9000, **Project Leader**, *Completed*

## Consultation & Expertise

1. Panel of Examiner for MSc Research Thesis Title "Geospatial Analysis and Visualization Enhancement of Students' Examination Performance" Nik Dahlia binti Abd Kadir, 2017.
2. Panel of Reviewer for Jurnal Instun Vol 4. 2021
3. Panel of Reviewer for International Invention, Innovation and Design Exposition for Built Environment and Engineering (IIDBEE), Faculty level, 2020
4. Panel of Reviewer for Internal Grant at University Level, 2017/2018
5. Panel of Reviewer for Internal Grant at University Level, 2019/2020
6. Panel of Reviewer for Carrier Development Research Grant at University Level, 2020
7. Panel of Reviewer for Lestari Covid19 Research Grant at University Level, 2020
8. Panel of Reviewer for Ducs Grant at Faculty Level, 2020
9. Panel of Reviewer for Lestari SDG Triangle, 2019
10. Panel of Reviewer for GTSD Conference, 24 October 2018
11. Invited Jury for Quantity Surveying Research & Innovation (QSRI), 2018
12. Panel of Reviewer for Built Environment Journal (BEJ), March 2017
13. Panel of Reviewer for ICABE Conference, 2016, organized by UIAM
14. Panel of Reviewer for Lestari Research Grant at University Level, 2016
15. Team of Judges for Innovation, Invention and Design (IIDEX), Faculty 2016
16. Panel of Reviewer for RAGS Grant at Faculty Level, 2014
17. Panel of Technical Reviewer for International Infrastructure Conference, organized by IUKL, 2014

## Innovation, Commercialization & Entrepreneurial

1. 2017 IID JOHOR Competition, GIS Based MCDM for Sinkhole Susceptibility Hazard Zones, International Level Silver Medal, Co-Author
2. IIDcns2017 Competition, Safety Drop & Go Parking System: A New Design for Safe Routes to School Concept, Bronze Medal International Level, Main Author
3. 2017 IIDcns2017, MyTBRISK INDEX: Malaysian Integrated Tuberculosis Risk Index Your Personalized Quick Tool for TB Infection Risk Prediction, Control and Prevention, International Level, Silver Medal, Co-Author

4. 2016 MIIEX Competition, Students' Smart Mobility-Health Route for Obese, International Level, Gold Medal, Professional Invention Category, Main Author
5. 2016 MIIEX Competition, Determination of Dry Zones Area using Geospatial Analysis, International Level, Silver Medal, Higher Education Student Invention Category, Senior Author/Main Supervisor
6. 2016 MIIEX Competition, Geo-Automation Relationship of Cocoa Pod Colors and Ripening Stages, Bronze Medal, International Level, Co-Author
7. 2015 IIDEX Competition, Employee Smart Commuting (ESC) for Working Family, Faculty Level, Silver Medal, Senior Author/Main Supervisor
8. 2015 IIDEX Competition, Geo-aided Land Development Allocator, Faculty Level, Silver Medal, Co-Author
9. 2015 IIDEX Competition, e-Cari Location (for Low-cost Homes), Faculty Level, Bronze Medal, Main Author
10. 2015 IIDEX Competition, GeoExplorer for Urban Residential Crime, Faculty Level, Bronze Medal, Senior Author/Main Supervisor
11. 2015 IIDEX Competition, Climate Change Flood Impact Estimator, Faculty Level, Bronze Medal, Co-Author
12. 2015 IIDEX Competition, Open-Source GPS Tracking System (Geo-Track), Faculty level, Silver Medal, Co-Author
13. 2014 IIDEX Competition, GeoFlood Information Visualizer (GFIV), University Level, Silver Medal, Co-Author
14. 2014 IIDEX Competition, GeoFlood Information Awareness Simulation, Faculty level, Gold Medal Co-Author
15. Formulating [H+T] Affordability Index for Low-cost Housing Distribution Procedure, Faculty level, Gold Medal, Main Author
16. 2014 IIDEX Competition, Formulating [H+T] Affordability Index for Low-cost Housing Distribution Procedure, International Level, Silver Medal, Main Author

## Services & Administration

1. Coordinator of Research Programme, MSc/PhD (AP780/781/990/991), 2020-2021-2<sup>nd</sup> term.
2. Coordinator of Research Programme, MSc/PhD (AP780/781/999/990/991), 2018-2020
3. Coordinator for Research Workshop/Seminar/Colloquium/Forum, 2018-2021
4. Coordinator for Research Training and Resources, 2018-2021
5. Head of Secretariat of Viva Voce for Master and PhD (AP780/781/999/990/991), 2019-2021
6. Coordinator of Quality Control & Management for Center of Studies for Surveying Science & Geomatics, 2017
7. Coordinator of ATP for Center of Studies for Surveying Science & Geomatics, 2014-2017
8. FSPU Quality Management Unit, Committee Member, 2012-2016

## Awards & Recognitions

1. Best Paper Award: Top 8, Identifying Risky Space in Neighbourhood: An Analysis of The Criminogenic Spatio-temporal and Visibility on Environmental Design, AcE-Bs2019 Langkawi Island, Malaysia 8th Asian Conference on Environment-Behaviour Studies (Student and Main Supervisor)
2. Best Paper Award 2014 at International Level  
Exploring the Spatial Configuration of Housing Layout and Residential Burglary Event in Klang Valley, TICSS Conference 17-19 December 2014, Japan Higher Education Forum, Toshi Centre Hotel, Tokyo, JAPAN (Student and Main Supervisor)
3. Best Selected Paper to Publish in Journal 2014-International Level  
Smart Commuting for Urban Working Family to Workplace, Arte-Polis 5 Intl Conference, Reflections on Creativity: Public Engagement and the Making of Place, 8-9 August 2014, Institute Technology Bandung (ITB), INDONESIA (Student and Main Supervisor)

4. UiTM's Excellence Service Award- 2013
5. UiTM's Graduated on Time (GoT)-Achievement of PhD study (2008-2012)

## **Contribution to Society**

1. University-School Mentoring Programme- UiTM in collaboration with Sekolah Kebangsaan Setia Alam (Teachers, Parents Association and Lecturer), 2016, Project Leader
2. Program Matahari dan Kita –Collaboration between UiTM-JUPEM-Sekolah Kebangsaan Raja Muda, Seksyen 4, 12 Mei 2017- Programme Advisor

## **Other Activities**

1. PhD Write-up Camp Series 01/2018-ILD Kg Gajah, Perak, Programme Leader/Facilitator
2. PhD Write-up Camp Series 02/2019-ILD Enstek, Nilai Negeri Sembilan, Programme Leader/Facilitator
3. Thesis Writing Camp (PhD/MSc) Series 03/2019, i-KPKT, Bukit Tinggi, Pahang, Programme Leader/Facilitator
4. Alumni Talk Series 01:2020, Academic Research & Industry Approach, Coordinator, plan and organize for FSPU research students.
5. Research Talk Series 02:2020, Research Ethics Awareness & Research Ethics Application Procedure, Coordinator, plan and organize for FSPU research students.
6. Research Talk Series 01: 2019, The DRP Preparation, Coordinator, plan and organize for FSPU research students.
7. Research Talk Series 02: 2019, The DRP Presentation Tips, Workshop & Hands-on, plan and organize for FSPU research students.
8. Research Talk Series 03: 2019, Viva Voce: The Final Assessment, plan and organize for FSPU research students.