

CURRICULUM VITAE

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EDUCATION

Ph.D	2015 – 2020	Geo-Information Science, Universiti Sains Malaysia
M.Sc	2013 – 2014	Geographical Information Science, Universiti Teknologi MARA
B. Sc	2009 – 2013	Surveying Science and Geomatics, Universiti Teknologi MARA
Diploma	2008 – 2009	Geomatic Science (Natural Resources), Universiti Teknologi MARA
High School	2003 – 2007	SMK Seksyen 9, Shah Alam, Selangor (2006 – 2007) SMK Projek Seksyen 11, Shah Alam, Selangor (2003 – 2005)

WORKING EXPERIENCE

Research Officer	2018-Present	Universiti Sains Malaysia (USM) Kampus Kejuruteraan, Penang
Part Time Lecturer	2014 – 2015 (2 Semester)	Universiti Teknologi MARA (UiTM) Kampus Arau, Perlis
Part Time Lecturer	2014 – 2014 (1 Semester)	Universiti Teknologi MARA (UiTM) Kampus Seri Iskandar, Perak

RESEARCH PUBLICATION

Article In Magazine

1. Abdul Hakim S., Mohd Sanusi S.A., Nor Aizam A., Saripah B., Geomapping Of Cocoa Black Ant Distribution Pattern And Analysis Using Geographical Information System, Buletin Geospasial Sektor Awam, MacGDI & NRE, 2016, 33-40

Publications

1. **Salleh, A. H.**, Naharudin, N., Halim, M. A., & Ruslan, N. (2021, May). Feasibility Study on Walkable City Through Implementation of Car-Free Zones and its Effect on Traffic Movement in Georgetown, Penang Using GIS Network Analysis. In IOP Conference Series: Earth and Environmental Science (Vol. 767, No. 1, p. 012032). IOP Publishing.
2. Ruslan, Nurfadhilah; Naharudin, Nabilah; **Salleh, Abdul Hakim**; Abdul Halim, Maisarah; and Abd Latif, Zulkiflee (2021) "Mapping for Indoor Walking Environment from Point Clouds by Using Mobile Mapping Systems," International Journal of Geospatial and Environmental Research: Vol. 8 : No. 2 , Article 3.
3. Ruslan, N., Naharudin, N., **Salleh, A. H.**, Halim, M. A., & Abd Latif, Z. (2021, May). Indoor Model for Walking Environment using Mobile Mapping System. In IOP Conference Series: Earth and Environmental Science (Vol. 767, No. 1, p. 012026). IOP Publishing.

4. Aburas, M. M., Ho, Y. M., Pradhan, B., **Salleh, A. H.**, & Alazaiza, M. Y. (2021). Spatio-temporal simulation of future urban growth trends using an integrated CA-Markov model. *Arabian Journal of Geosciences*, 14(2), 1-12.
5. **Salleh, A. H.**, Ahamad, M. S. S., & William, G. W. W. (2020, July). Feasibility Study on Walkable City Through Implementation of Car-Free Zones in Georgetown, Penang Using GIS Network Analysis. In *IOP Conference Series: Earth and Environmental Science* (Vol. 540, No. 1, p. 012032). IOP Publishing.
6. Khasawneh, O. F. S., Halim, H., Abdullah, S. N., Razali, S. A., Algburi, H. R. F., & **Salleh, A. H.** (2020, September). Characterization of Environmental Noise Pollution Based on Noise Measurement and Mapping at USM Engineering Campus. In *IOP Conference Series: Materials Science and Engineering* (Vol. 920, No. 1, p. 012004). IOP Publishing.
7. Naharudin, N., **Salleh, A. H.**, Halim, M. A., & Abd Latif, Z. (2020, July). Conceptual Framework for Walkability Assessment for Pedestrian Access to Rail Transit Services by using Spatial-MCDA. In *IOP Conference Series: Earth and Environmental Science* (Vol. 540, No. 1, p. 012023). IOP Publishing.
8. **Salleh, A. H.**, Ahamad, M. S. S., & Taufik, R. A. (2019, February). A wind hazard study using the spatial modelling approach. In *IOP Conference Series: Earth and Environmental Science* (Vol. 244, No. 1, p. 012004). IOP Publishing.
9. **Abdul Hakim, S.**, Nurul Azma Adila, H., Farah Liyana, Z., Mu'izzah, M., Joon, C. C., & Fatehah, M. O. (2020, May). Assessment of Heavy Metal Contamination in Sediments in Sungai Pinang River Basin. In *IOP Conference Series: Earth and Environmental Science* (Vol. 498, No. 1, p. 012059).
10. Saip, N. A. M., Halim, H., **Salleh, A. H.**, Amiruddin, A. Z., & Ibrahim, Z. (2019, August). Road Traffic Noise Assessment at Sekolah Kebangsaan Sungai Bakap, Sungai Bakap, Penang, Malaysia. In *AWAM International Conference on Civil Engineering* (pp. 1257-1264). Springer, Cham.
11. **Salleh, A. H.**, & Ahamad, M. S. S. (2019, February). Flood risk map (case study in Kelantan). In *IOP Conference Series: Earth and Environmental Science* (Vol. 244, No. 1, p. 012019). IOP Publishing
12. **Abdul Hakim S.**, Mohd Sanusi S.A., Mohd Suffian Y., Multiple criteria landfill site selection method incorporating the NIMBY factors, AIP, 2017, DOI: 10.1063/1.5005759
13. **Abdul Hakim S.**, Mohd Sanusi S.A., Mohd Suffian Y., Hamidi A.Z., Applying an integrated route optimization method as a solution to the problem of waste collection, ISPRS, 2016, 103-110, DOI: 10.5194/isprs-archives-XLII-4-W1-103-2016

TEACHING

Undergraduate Teaching

1. Introduction to Geomatic; June – October 2014, Seri Iskandar Campus UiTM.
2. Survey Computation, Photogrammetry; December – April 2015, Arau Campus UiTM
3. Survey Computation, Advance Cadastral; June – October 2015, Arau Campus UiTM
4. Geomatic Engineering EAK163; December – June 2017, Engineering Campus USM [Team Teaching]
5. Geomatic Engineering EAK163; December – June 2019, Engineering Campus USM [Team Teaching]
6. Geomatic Engineering EAK163; December – June 2020, Engineering Campus USM [Team Teaching]
7. Geomatic Engineering EAK163; December – June 2021, Engineering Campus USM [Team Teaching]
8. Geospatial Engineering EAK382; December – June 2021, Engineering Campus USM [Team Teaching]
9. Geomatic Engineering EAK163; Sept – Dec. 2021(ong.), YangTze Normal University [Team Teach.]

AWARDS/ RECOGNITION/ APPOINTMENT

- | | |
|------|--|
| 2021 | Project Member: ERASMUS+ Geomatic for Disaster Risk Reduction Recovery Project |
| 2021 | Secretariat: Malaysian Construction Research Journal Special Issue 2021 |
| 2021 | Second Speaker: Analytical Hierarchy Process (AHP) Webinar (UiTM) |
| 2021 | Reviewer: Geomatic and Geospatial Technology (GGT) 2021 |
| 2019 | Surveyor: Royal Institution of Surveyor Malaysia (RISM)
[Geomatics and Land Surveying Malaysia] |

TRAINING

- 2021 Conduct Short Course in **GIS Analysis For Noise Mapping Using ArcGIS Software** [in collaboration with Dr. Herni], 1st May 2021, as a Speaker.
- 2021 Certificate in **Short Course Webinar “Analytical Hierarchy Process (AHP) for GIS Analysis”**, 28th May 2021, as a Speaker, by Centre of Studies for Surveying Science and Geomatics, UiTM Shah Alam.

REVIEWED ARTICLES

- 2021 Exploring School Accessibility of Students with Special Needs using Spatial Visualization; Geomatic and Geospatial Technology (GGT) 2021
- 2021 Electronic Atlas of Health and Healthcare: Online Community Wellbeing Mapping Services in Selangor, Malaysia; Geomatic and Geospatial Technology (GGT) 2021
- 2021 Potential Sites for Micro-Hydropower Station using Spatial-MCDA; 5th International Conference on Research Methodology for Built Environment and Engineering (ICRMBEE) 2021
- 2021 Spatial Land Use and Land Cover (LULC) Changes for A Sustainable Biodiversity Conservation: Criteria for Potential Implementation of Buffer Zone at FRIM Natural Heritage Site, Malaysia; 5th International Conference on Research Methodology for Built Environment and Engineering (ICRMBEE) 2021

ADDITIONAL INFORMATION

Instrumentation Skills

Geomatic Engineering

- Autolevel
 - Differential Levelling
 - Inverse Levelling
- Digital Level
 - Precise Levelling
- Total Station
 - Traverse Survey
 - Detailing Survey
 - Setting Out Survey
 - Monitoring Survey
- Fluke Thermal Camera
- Distometer
 - Strata Survey
- Zeb Revo 3D Scanner
 - Indoor Terrestrial 3D Scan
- Handheld GPS
 - Boundary Mark Determination

Water Quality Engineering

- Hand Auger
 - Riverbank soil sampling
- Van Veen Grab Sampler
 - River centre sediment sampling
- Handheld GPS
 - Sampling Point Trekking

Software Skills

Geomatic Engineering

- AutoCad 2018
 - Cadastral Plan
 - Subdivision Plan
- Civil and Design Survey (CDS)
 - Traverse Calculation
 - Detailing Data Input, Plan Drawing

Geospatial Engineering

- ArcGIS Desktop 10.3
- Quantum GIS (QGIS) 3.16

Language

- | | Spoken | Written | Remark |
|-------------------|---------------|----------------|---------------|
| • Bahasa Malaysia | Excellent | Excellent | Mother tongue |
| • English | Advance | Advance | Mother tongue |

REFERENCES

1. Professor Sr Dr Mohd Sanusi A. Ahamad **Former Lecturer (PhD Supervisor),**

2. Ts. Dr. Fatehah Mohd Omar

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Engineering Campus, 14300 Nibong Tebal, Penang
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3. Pn. Siti Aminah Bt. Anshah

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