CURRICULUM VITAE

A. PERSONAL DETAILS

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ACADEMIC QUALIFICATION

Doctor of Philosophy (Geomatics Engineering), 2022
Universiti Teknologi Malaysia, Johor Bahru

Bachelor of Engineering (Geomatics) with Honours – 1st Class Honours, 2017
Universiti Teknologi Malaysia, Johor Bahru

B. PROFESSIONAL MEMBERSHIP

Royal Institution of Surveyors Malaysia (RISM), Geomatics and Land Surveying – Registered member (M8045)

C. EXPERIENCES

1. Senior lecturer at UiTM Shah Alam (October 2024 until present).
2. QC Surveyor at Pageo Geoscience Sdn Bhd (August 2024 to October 2024).
3. Part time lecturer at Universiti Malaysia Terengganu (October 2022 to February 2023).

D. PUBLICATIONS

1. Hamid, A. I. A., Din, A. H. M., Yusof, N., Abdullah, N. M., Hamden, M. H., & Zulkifli, N. A. (2024). Advancing coastal resilience: coastal vulnerability assessment using cutting-edge space geodetic and optical imaging techniques. doi: 10.1016/j.isci.2024.110085. iScience, 27(6), 1-26.
2. Din, A. H. M., Zulkifli, N. A., Alihan, N. S. A., Yazid, N., Ansar, A. M. H., Affandi, M. L. A., & Ridzuan, F. N. S. (2023). Almanak Ukur Malaysia 2023. Unit Almanak, Jabatan Geoinformasi, Fakulti Alam Bina dan Ukur, Universiti Teknologi Malaysia. ISBN 978-983-52-0889-8. Penerbitan Siri ke 35.
3. Xian, L. H., Din, A. H. M., Zulkifli, N. A., Zheng, Y. C., & Adzmi, N. H. M. (2022). Assessing global geodetic datum between International Terrestrial Reference Frame 2014 and World Geodetic System 1984 using GPS observation. Journal of Advanced Geospatial and Science Technology, 2(2), 90-116.
4. Musa, M. S., Din, A. H. M., Zulkifli, N. A., Hamden, M. H., Rasib, A. W., & Khalid, N. F. (2022). Coastal inundation simulation due to sea level rise in Terengganu, Malaysia. Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-4/W6-2022, 261-267. doi: 10.5194/isprs-archives-XLVIII-4-W6-2022-261-2023.
5. Remli, N. S. A., Din, A. H. M., Zulkifli, N. A., Hamden, M. H., Rasib, A. W., & Khalid, N. F. (2022). Coastal inundation simulation in Selangor utilising geospatial technology. Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-4/W6-2022, 289-295. doi: 10.5194/isprs-archives-XLVIII-4-W6-2022-289-2023.
6. Mukhtar, N. A., Din, A. H. M., Zulkifli, N. A., Hamden, M. H., Omar, A. H., & Hamid, A. I. A. (2022). Evaluation of groundwater storage changes using satellite gravimetry mission in Peninsular Malaysia. Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-4/W6-2022, 253-259. doi: 10.5194/isprs-archives-XLVIII-4-W6-2022-253-2023.
7. Arif, M. I., Din, A. H. M., Zulkifli, N. A., Hamden, M. H., Omar, A. H., & Adzmi, N. H. M. (2022). Assessment of sea level rise impact on Peninsular Malaysia Geodetic Vertical Datum. Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-4/W6-2022, 25-32. doi: 10.5194/isprs-archives-XLVIII-4-W6-2022-25-2023.

8. Ismail, N. A. S., Din, A. H. M., Hamden, M. H., Zulkifli, N. A., & Idris, K. M. (2022). Reduction of mean sea level depth based on tide gauge distance dependent at Sungai Dinding, Lumut. Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-4/W6-2022, 167-177. doi: 10.5194/isprs-archives-XLVIII-4-W6-2022-167-2023.
9. Sambasivam, T., Din, A. H. M., Hamden, M. H., Zulkifli, N. A., & Adzmi, N. H. M. (2022). Interpretation of current and tidal pattern at Selangor river, Kuala Selangor. Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-4/W6-2022, 303-310. doi: 10.5194/isprs-archives-XLVIII-4-W6-2022-303-2023.
10. Din, A. H. M., Zulkifli, N. A., Hamden, M. H., Yazid, N., Alihan, N. S. A., Ansar, A. M. H., & Affandi, M. L. A. (2022). Almanak Ukur Malaysia 2022. Unit Almanak, Jabatan Geoinformasi, Fakulti Alam Bina dan Ukur, Universiti Teknologi Malaysia. ISBN 978-983-52-0889-8. Penerbitan Siri ke 34.
11. Bakar, N. A. M. A., Din, A. H. M., Zulkifli, N. A., Amat, M. A. C., & Hamden, M. H. (2021). Accuracy assessment of the network real-time kinematic techniques for positioning and mapping. ASM Science Journal, 16, 1-15. doi: 10.32802/asmscj.2021.617.
12. Zulkifli, N. A., Din, A. H. M., Aris, W. A. W., & Yong, C. Z. (2021). Differences between 2009 and 2016 revisions based on coordinates in GDM2000. Journal of Information System and Technology Management, 6(24), 161-173. doi: 10.35631/JISTM.624017.
13. Razak, M. Z. A., Din, A. H. M., Zulkifli, N. A., & Mohamad, N. (2021). Estimating groundwater storage in Peninsular Malaysia from GRACE satellite data. In M. Hashim and M. Hamdzah (Ed.), Water, climate and Earth observations (pp. 31-50). Johor, Malaysia: Penerbit UTM Press.
14. Din, A. H. M., Zulkifli, N. A., Hamden, M. H., Yazid, N., Alihan, N. S. A., Ansar, A. M. H., & Affandi, M. L. A. (2021). Almanak Ukur Malaysia 2021. Unit Almanak, Jabatan Geoinformasi, Fakulti Alam Bina dan Ukur, Universiti Teknologi Malaysia. ISBN 978-983-52-0889-8. Penerbitan Siri ke 33.
15. Amiruddin, M. A., Din, A. H. M., Zulkifli, N. A., Amat, M. A. C., & Hamden, M. H. (2020). Assessment of the accuracy and precision of MyRTKnet real-time services. Jurnal Teknologi, 83(1), 93-103. doi: 10.11113/jurnalteknologi.v83.13892.
16. U, L. J., Din, A. H. M., Idris, K. M., Hamden, M. H., Zulkifli, N. A., & Ansar, A. M. H. (2020). A new redefinition of geodetic and plane coordinates on UTM geodetic markers. Built Environment Journal, 17(3), 9-28. doi: 10.24191/bej.v17iSI.11741.
17. Din, A. H. M., Zulkifli, N. A., Hamid, A. I. A., Alihan, N. S. A., Yazid, N., & Rahman, M. F. A. (2020). Almanak Ukur Malaysia 2020. Unit Almanak, Geomatic Innovation Research Group (GnG), Fakulti Alam Bina dan Ukur, Universiti Teknologi Malaysia. ISBN 978-983-52-0889-8. Penerbitan Siri ke 32.
18. Zulkifli, N. A., Din, A. H. M., & Omar, A. H. O. (2019). The impact of different International Terrestrial Reference Frames (ITRFs) on positioning and mapping in Malaysia. In B. Pradhan (Eds.), GCEC 2017 (pp. 671-690). Singapore: Springer. doi: 10.1007/978-981-10-8016-6_51.
19. Din, A. H. M., Hamden, M. H., Zulkifli, N. A., Tugi, A., Hamid, A. I. A., Alihan, N. S. A., Khalid, N. F., Bidi, N. K., & Yazid, N. (2019). Almanak Ukur Malaysia 2019. Unit Almanak, Geomatic Innovation Research Group (GnG), Fakulti Alam Bina dan Ukur, Universiti Teknologi Malaysia. ISBN 978-983-52-0889-8. Penerbitan Siri ke 31.
20. Din, A. H. M., Zulkifli, N. A., Hamden, M. H., & Aris, W. A. (2018). Sea level trend over Malaysian seas from multi-mission satellite altimetry and vertical land motion corrected tidal data. Advances in Space Research Journal, 63(11), 3452-3472. doi: 10.1016/j.asr.2019.02.022.

21. Zulkifli, N. A., Din, A. H. M., & Som, Z. A. M. (2018). Vertical land motion quantification using space-based geodetic methods: a review. In (Eds.), IOP conference series: Earth and environmental science (EES) (pp. 1-10). Kuala Lumpur, Malaysia: IOP Publishing Ltd. doi: 10.1088/1755-1315/169/1/012024.
22. Zulkifli, N. A., Din, A. H. M., Kamaruddin, M. A., & Som, Z. A. M. (2018). An assessment of Malaysia Geoid Model (MyGEOID) as vertical datum using Global Positioning System (GPS). In Z. Tarmidi and N. H. Idris (Ed.), Geospatial technology for geodesy and environmental applications (pp. 7-26). Johor, Malaysia: Penerbit UTM Press.

E. COPYRIGHT

1. Impact of Different International Terrestrial Reference Frames on Positioning and Mapping in Malaysia. Inventors: Ami Hassan Md Din and Nur Adilla Zulkifli. Copyright. Innovation and Commercialisation Centre (ICC, UTM). 2nd July 2017. Filing Number: LY2017005586.
2. Derivation of Vertical Land Motion Rates around Malaysia based on Optimisation of GPS Observation. Inventors: Ami Hassan Md Din and Nur Adilla Zulkifli. Copyright. Innovation and Commercialisation Centre (ICC, UTM). 22nd September 2020. Filing Number: LY2020007060.

F. INNOVATION AWARDS

1. Malaysian Quasi-seamless Vertical Separation Models for Contemporary Hydrographic Survey (i-IDeA™ 2023 – Gold).
2. Malaysian Quasi-seamless Vertical Separation Models for Contemporary Hydrographic Survey (Pecipta' 2022 – Gold).
3. Malaysian Quasi-seamless Vertical Separation Models for Contemporary Hydrographic Survey (INATEX 2021 – Silver).
4. Reduction of Bathymetric Using Vertical Separation Models System for Hydrographic Surveying (SIIF2021 – Bronze).

G. AREA OF INTEREST

- Geodesy
- High Precision Positioning
- Space Geodetic Observation
- Deformation Monitoring
- Applications of GNSS, Satellite Altimeter, Tide Gauge, and GRACE for Vertical Land Motion Estimation

H. CONSULTANCY

1. Deformation Monitoring Survey at the Hibiscus Platform using High-precision GNSS Observations (2024 – 2025).
2. Provision of Surveying and Positioning Services for Petronas Carigali Sdn Bhd: Miri Crude Oil Terminal (MCOT) Control Point Verification November 2024 Cycle (2024 – 2025).
3. Air Gap Determination on Offshore Platform using Satellite Altimetry and High Precision GNSS Observation: WLP-A Platform (2024)

4. Air Gap Determination on Offshore Platform using Satellite Altimetry and High Precision GNSS Observation: Sabah Waters (2024).
5. Provision of Surveying and Positioning Services for Petronas Carigali Sdn Bhd: Miri Crude Oil Terminal (MCOT) Control Point Verification (2024).
6. Air Gap Determination on Offshore Platform using Satellite Altimetry and High Precision GNSS Observation: Temana Platforms (2024).
7. Air Gap Determination on Offshore Platform using Satellite Altimetry and High Precision GNSS Observation: WLP-A Platform (2023).
8. Air Gap Determination on Offshore Platform using Satellite Altimetry and High Precision GNSS Observation: D12 and D35 (2023).
9. Air Gap Determination on Offshore Platform using Satellite Altimetry and High Precision GNSS Observation: Tukau (2023).
10. High Precision GNSS Data Processing and Deformation Analysis – West Lutong Offshore Platform (2022).
11. Air Gap Determination using Satellite Altimetry, GNSS, and Tide Gauge Observation at West Lutong Offshore Platform (2022).
12. High Precision GNSS Data Processing and Deformation Analysis (2022).
13. Air Gap Determination on Offshore Platform using Satellite Altimetry, GNSS and Tide Gauge Observation: Tukau Platform (2022).
14. Mean Sea Level Determination and Trend Analysis in Peninsular Malaysia and East Malaysia (Sabah and Sarawak) Coastal Areas (2022).