

### **AHMAD NORHISYAM IDRIS (Sr)**

Lecturer

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### **Areas of Expertise**

GNSS, Cadastral Surveying, UAV Photogrammetry

<https://prisma.uitm.edu.my/prisma/?doit=DirectoryStafByIdDetail&staffid=Vmtab2QxTnJOVVZXVkJaT1IYcFZNbFZXVWxKTIZUbFNVRIF3UFE9PQ>

<https://scholar.google.com/citations?user=H-JYpCkAAAAJ&hl=en>

### **Personal Information**

Ahmad Norhisyam Idris

Centre of Studies for Surveying Science & Geomatics  
Faculty of Architecture, Planning and Surveying (FSPU)

### **Academic Qualifications**

Master in the Specialisms of Built Environment (Research), 2015, Universiti Teknologi MARA (UiTM)  
Degree of Surveying Science and Geomatics (Hons.), 2010, Universiti Teknologi MARA (UiTM)  
Diploma in Gomatic Science (Natural Resources), 2008, Universiti Teknologi MARA (UiTM)

### **Professional Members**

1. Royal Institution of Surveyors Malaysia (RISM), Member, 2017-2021

## Teaching and Learning

1. Degree, September 2020, Basic Cadastral Surveying (GLS459), Lecture & Practical
2. Degree, September 2020, Occupational Safety & Health Administration (GLS651), Lecture
3. Degree, September 2020, Sustainable Development (GLS616), Lecture
4. Degree, September 2020, Advanced Geodesy (GLS611), Practical
5. Degree, September 2020, Field Scheme 1 (GLS652), Lecture & Practical

## Student Supervision

1. Dzulhilmi Rozali 2015419574, 3D Positioning Building Model using Different Drone Camera Resolution, March 2019 (Main Supervisor), Degree Dissertation, Completed.
2. Muhamad Izham Mohd Yasin 2015419404, Accuracy Assessment of GPS Day and Night Observations using MyRTKnet Method, March 2019 (Main Supervisor), Degree Dissertation, Completed.
3. Nurul Naimah Janberi 2015146119, Shipwreck Detection with Multibeam System for Safety Navigation, January 2020 (Main Supervisor), Degree Dissertation, Completed.
4. Moses Anak Riji 2015110715, Comparison of Data Filtering Technique for Bathymetric Map Using Multibeam Dataset, January 2020 (Main Supervisor), Degree Dissertation, Completed.
5. Mohamad Khairul Hisyam Mat Nor 2016490566, 3D Coordinate Accuracy Assessment of Nadir and Oblique UAV Imagery at Slope Area, July 2020 (Main Supervisor), Degree Dissertation, Completed.
6. Khairulariffin Zulkifli 2017800144, Comparative Assessment on 3D Coordinates between DJI Phantom 4 Pro and DJI Mavic 2 Pro at Different Altitudes, July 2020 (Main Supervisor), Degree Dissertation, Completed.
7. Alviannie Aloysius 2016490606, Comparative Assessment of UAV Positioning Accuracy using GCPs & PPK Methods, January 2021 (Main Supervisor), Degree Dissertation, On-going.
8. Halimatun Saadiah Omar 2017992233, 3D Route Map Facility for The Physically Disabled Using Drone Mapping Technology, January 2021 (Main Supervisor), Degree Dissertation, On-going.
9. Muhammad Fakhri Zolkefli 2018441742, Monitoring Slope Failure Signs using Unmanned Aerial Vehicle (UAV) Technology, July 2021 (Main Supervisor), Degree Dissertation, On-going.
10. Nazrin Fikri Norhamizan 2018437684, Assessment of Modelling 3D Indoor Building Geometry using Unmanned Aerial Vehicle (UAV), July 2021 (Main Supervisor), Degree Dissertation, On-going.

## Publications

1. AN Idris, AM Suldi, JRA Hamid, D Sathyamoorthy, 2013, Effect of Radio Frequency Interference (RFI) on the Global Positioning System (GPS) Signals, 9th International Colloquium on Signal Processing and Its Applications, IEEE, Presenter.
2. AN Idris, D Sathyamoorthy, AM Suldi, JRA Hamid, 2014, Effect of Radio Frequency Interference (RFI) on the Precision of GPS Relative Positioning, IOP Conference Series: Earth and Environmental Science, IOP Publishing, Presenter.
3. NM Saad, JRA Hamid, NM Saraf, MA Halim, AN Idris, N Khalid, 2018, Insolation Model from LiDAR-Derived Topographical Surface Models, 8th International Conference on System Engineering and Technology (ICSET), IEEE.
4. I Abd Jalil, ARA Rasam, NA Adnan, NM Saraf, AN Idris, 2018, Geospatial Network Analysis for Healthcare Facilities Accessibility in Semi-Urban Areas, 14th International Colloquium on Signal Processing & Its Applications (CSPA), IEEE.

5. MA Halim, NM Saraf, NI Hashim, ARA Rasam, AN Idris, NM Saad, 2018, Discovering New Tourist Attractions Through Social Media Data: A Case Study in Sabah Malaysia, 8th International Conference on System Engineering and Technology (ICSET), IEEE.
6. AH Azli, ARA Rasam, AN Idris, 2018, A Malaysian Fourth Industrial Revolution (MyIR 4.0) for People with Disabilities (PWDs): PWD GeoWeb and GeoMobileApps Healthcare System, International Conference on Built Environment and Engineering (IConBEE2018), Centre of Studies for Construction, FSPU, UiTM & Department Of Construction Management, FTMB, UTHM.
7. AHZ Rashid, ARA Rasam, AN Idris, NA Adnan, F Othman, 2019, Online Mapping and GIS Mobile Healthcare Systems for Intensifying Low-And-Middle-Income Community Accessibility, IOP Conference Series: Earth and Environmental Science, IOP Publishing.
8. NHM Hashim, FC Sulaiman, AN Idris, MRA Rashid, S Jamaludin, 2019, A Perceptual Study on Post-Disaster Park Rehabilitation: Jeram Linang Recreation Forest, Pasir Puteh, Kelantan, Seminar Ekspedisi Hutan Ulu Sat 2019 Hutan Ulu Sat: Nadi Pemeliharaan Alam Semulajadi Kelantan, Jabatan Perhutanan.
9. NHM Hashim, H Jaafar, FC Sulaiman, AN Idris, MRA Rashid, S Jamaludin, Z Hamzah, 2019, The Suitability of Hutan Lipur Jeram Linang and Ulu Sat for Recreation Area at Machang, Kelantan, Seminar Ekspedisi Hutan Ulu Sat 2019 Hutan Ulu Sat: Nadi Pemeliharaan Alam Semulajadi Kelantan, Jabatan Perhutanan.
10. AHZ Rashid, ARA Rasam, AN Idris, NA Adnan, F Othman, 2019, Online Mapping and GIS Mobile Healthcare Systems for Intensifying Low-and-Middle-Income Community Accessibility, 4th International Conference on Research Methodology for Built Environment and Engineering 2019 (ICRMEE 2019), UiTM and Chulalongkorn University.
11. AN Idris, NHM Hashim, FC Sulaiman, MRA Rashid, JM Aris, S Jamaludin, 2019, Geographical Surface Analysis on Designated Trails in Pulau Pangkor Reserve Forest, Malaysia, Journal of The Malaysian Forester, Forestry Department Peninsular Malaysia.
12. BA Basir, ARA Rasam, AN Idris, 2020, E-Sport System: A Web-Based Multimedia Cartography for Electronic Sport using Free Open Source Software, 9th International Conference of IMACSSS 2020 - Malaysia 2nd Global Scientific Martial Arts & Cultural Congress, Seni Gayung Fatani Malaysia Association & UiTM.
13. ARA Rasam, AH Azlin, NAA Abu, AN Idris, NA Romeyu, 2020, Mobile GIS Applications for People with Disabilities Healthcare, Jurnal Inovasi Malaysia (JURIM), Universiti Teknologi MARA.

## Research Grants and Contracts

1. 2018, Urban Climate Change and Spatial Complexity Evaluation for Adoption of Heat Vulnerability Index (HVI: Spatial Patterns of Exposure, Sensitivity and Adaptive Capacity), UiTM LESTARI Grant, RM30,000, Member, Completed.
2. 2018, Development of Community Online Mapping System for Accessibility and Treatment of People with Disabilities in Ampang, UiTM LESTARI Grant, RM20,000, Leader, On-Going.
3. 2020, Development of Spatial Database for Individual Planted Tree using Geospatial Technology in UiTM, Shah Alam, UiTM Grant, RM25,000, Member, On-Going.

## **Consultation & Expertise**

1. Survey Camp Programme at Heriot-Watt University Malaysia, Member (UiTM Perak), 2017.
2. Tenaga Nasional Berhad (TNB), Kerja-Kerja Konsultansi Urusan Pentadbiran Tanah Untuk TNB, National Level, Surveyor Member, 2019

## **Innovation, Commercialization & Entrepreneurial**

1. MOOC of Drone for Mapping, National e-Content Development Competition, University Level, 2018, Participant.
2. MyOKUHelp.Apps: An Integrated Accessibility and Society Mobile Application for People with Disabilities in Malaysia, Exhibition of Innovation, University Level, 2019, Participant.

## **Services & Administration**

1. Koordinator Pembangunan Hal Ehwal Pelajar FSPU, 2016-2020, FSPU HEP Level.
2. Non-Resident Staff, 2019-2021, University Level, Bahagian Hal Ehwal Pelajar (NR).
3. Committee Member of Setting & Infrastructure (SI), 2018-2022, Jawatankuasa Kelestarian UiTM.
4. Committee Member of 2021 Geomatics and Geospatial Technology (GGT) Conference, 2019-2021.
5. Committee Member, 2020, Greenation Roadshow, University Level.
6. Committee Member, 2019-2022, Sub-Occupational Safety & Health FSPU, UiTM Shah Alam.
7. Committee Member, 2020-2022, Unit Komunikasi Korporat FSPU, UiTM Shah Alam.
8. Committee Member, 2019-2021, Jawatankuasa Infrastruktur dan Infostruktur, Faculty Level.

## **Work and Collaboration Experience**

1. Part-Time/ Full-Time Lecturer, 2010-2011, FSPU UiTM Perak, Teaching and Learning.
2. Part- Time Lecturer, 2014, FSPU UiTM Perak, Teaching and Learning.
3. Land Surveyor, 2015-2016, Sky-Shine Corp. Malaysia Berhad, Engineering/ GNSS Surveying.

## **Awards & Recognitions**

1. Hadiah Penerbitan Angkasa 2013, MOSTI and ANGKASA Malaysia, Effect of Radio Frequency Interference (RFI) on the Global Positioning System (GPS) Signals, 1st Place for Second Category: Professional Technical Paper in Space Science- Proceeding Publication, 2014.
2. NGGSIC 2014, Effect of Radio Frequency Interference (RFI) on the Precision of GPS Relative Positioning, 1st Place for Postgraduate Technical Paper Category, 2014.

## **Contribution to Society**

1. Pemetaan Kem Khidmat Negara PLKN Merbok Kedah, Universiti Teknologi MARA (UiTM), 2019.
2. Global Surveyor Day 2019, Universiti Teknologi MARA (UiTM), 2019.
3. Program Cerap Bulan Dan Bintang PLKN Merbok Kedah, 2019.
4. Save Our Nature at Pantai Teluk Batik Perak, 2019.
5. Tree Planting MBSA at Universiti Teknologi MARA (UiTM) Shah Alam, 2019.
6. University Innovation Festival (UIF), Univesity Level, 2019.

## **Other Activities**

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