



Fakulti  
Senibina,  
Perancangan  
dan Ukur

## Academic Curriculum Vitae

### **ABDUL AZIZ AB RAHMAN (Sr)**

Lecturer

Centre of Studies for Surveying Science & Geomatics  
Faculty of Architecture, Planning and Surveying  
Universiti Teknologi MARA,  
40450 Shah Alam,  
Selangor, Malaysia.

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aziz121@uitm.edu.my



### **Areas of Expertise**

UAV Photogrammetry, Coastal Management, Surveying, Geospatial

<https://expert.uitm.edu.my/profile>

<https://orcid.org/my-orcid>

<https://publons.com/dashboard/summary/>

<https://www.scopus.com/authid/detail.uri?authorId=57194777828>

[https://www.researchgate.net/profile/Aziz\\_Rahman12](https://www.researchgate.net/profile/Aziz_Rahman12)

<https://scholar.google.xxxhttps://scholar.google.com/citations?user=O3xc7P8AAAAJ&hl=en>

### **Personal Information**

Detailed information

Abdul Aziz bin Ab Rahman,

355153

930412-01-6115

Centre of Studies for Surveying Science & Geomatics

### **Academic Qualifications**

Detailed information

Master of Science (Geospatial; Research), 2019, Universiti Kebangsaan Malaysia

Bachelor of Surveying Science & Geomatics (Honours), 2017, Universiti Teknologi MARA

Diploma in Geomatic Science, 2014, Universiti Teknologi MARA

### **Professional Members**

Detailed information

Royal Institution of Surveyors Malaysia (RISM), Member, 2018-present

## Teaching and Learning

Detailed information

1. Degree, September 2020, Photogrammetry (GLS455), Laboratory
2. Degree, September 2020, Advanced Geodesy (GLS611), Practical
3. Degree, September 2020, Advanced Photogrammetry (GLS615), Laboratory
4. Degree, September 2020, Programming for Surveyors, Co-Lecture
5. Degree, September 2020, Site Surveying (CMA413), Lecture & Practical

## Student Supervision

### Undergraduate (UiTM)

Main Supervisor – Ain Ashura Binti Assan, Studies On Urbanization Factor Affecting The Urban Heat Island Phenomenon At Kuching Sarawak – Ongoing

Main Supervisor – Cynthia Anak Sada, Use Of Remote Sensing in Monitoring Climate Change – Ongoing

Main Supervisor – Nur Hidayah binti Abu Bakar, Detection of Area with Flood and Landslide Caused by Heavy Rainfall – Ongoing

Main Supervisor – Nurul Najlaa binti Husin, Mapping and Monitoring Sand Mining using Remote Sensing in Selangor – Ongoing

Co-Supervisor – Ahmad Arif bin Ab Aziz, Reconstruction of 3D building model using point of interest technique at different altitude and range n – Complete 2018

Co-Supervisor – Muhizee bin Sahat, Qibla direction verification at arau royal old tomb using UAV technique – Complete 2018

Co-Supervisor – Nur hayati binti Ramdan, The analysis of coastal erosion and accretion rate with high and low spatial resolution imageries using geospatial technique – Complete 2018

Co-Supervisor – Muhammad Hafiz bin Hazman, The analysis of coastal erosion and accretion rate with high and low spatial resolution imageries using geospatial technique – Complete 2018

Co-Supervisor – Nur Najiha binti Abd Aziz, Extraction of shoreline changes in Bagan Pasir coastal area using GIS technique – Complete 2017

Co-Supervisor – Khairulariffin Bin Zulkifli, Extraction of Land Surface Temperature (LST) using satellite imagery of Klang Valley on years 2004 and 2016 – Complete 2017

### Undergraduate (UKM)

Co-Supervisor – Ahmad Aiman bin Noor Azman, Perubahan garis pantai kelantan 2008-2019. – Complete 2019

Co-Supervisor – Nur Afifah binti Rozali, Analisis dinamika perubahan guna tanah di negeri terengganu menggunakan teknik geospatial. – Complete 2019

Co-Supervisor – Nur Adzleen Bt Fadzli, Penggunaan multispectral pesawat udara tanpa pemandu (UAV) dalam sistem pertumbuhan kelapa sawit dan sistem saluran perladangan – Complete 2020

## Publications

Detailed information

### JOURNAL:

**Rahman, A. A. A.**, Maulud, K. N. A., Mohd, F. A., Jaafar, O. & Tahar, K. N. 2017. Volumetric calculation using low cost unmanned aerial vehicle (UAV) approach. *IOP Conference Series: Materials Science and Engineering*, 270, 012032. doi:10.1088/1757-899X/270/1/012032. WOS Indexed.

**Abdul Aziz Ab Rahman**, Wan Shafrina Wan Mohd Jaafar, Khairul Nizam Abdul Maulud, Norazilawati Mohd Noor, Midhun Mohan, Adrian Cardil, Carlos Alberto Silva, Nik Norasma Che'Ya, Nasrul Ikhwan Naba. 2019. Applications of Drones in Emerging Economies: A case study of Malaysia. *IEE Series: 2019 6th International Conference on Space Science and Communication (IconSpace)* Page 35-40. WOS Indexed.

Faiz Arif, **Abdul Aziz Ab Rahman**, Khairul Nizam Abdul Maulud, Amir Husni Kamaludin. 2019. Debunking Flat Earth: From Geomatics Perspective. *IEE Series: 2019 6th International Conference on Space Science and Communication (IconSpace)* Page 150-153. WOS Indexed.

A Sulaiman, **AA Ab Rahman**, KN Abdul Maulud, Mohd Talib Latif, F Ahmad, MA Abdul Wahid, MA Ibrahim, ND Abdul Halim. 2017. Distribution ozone concentration in Klang Valley using GIS approaches. *IOP Conf. Series: Journal of Physics: Conf. Series* **852** (2017) 012021 doi :10.1088/1742-6596/852/1/012021. WOS Indexed.

Siti Norsakinah Selamat, Khairul Nizam Abdul Maulud, Fazly Amri Mohd, **Abdul Aziz Ab Rahman**, Mohd Khairul Zainal, Muhammad Aqiff Abdul Wahid, Maya Liyana Hamzah, Effi Helmy Ariffin And Nor Aslinda Awang. 2019. Multi Method Analysis for Identifying The Shoreline Erosion During Northeast Monsoon Season. *Journal of Sustainability Science and Management Volume 14 Number 3, June 2019: 43-54*. eISSN: 2672-7226 © Penerbit UMT. SCOPUS Indexed.

Aimi Nadira Mohd Safiea, Khairul Nizam Abdul Maulud, Othman Jaafara, Wan Shafrina Wan Mohd Jaafar, **Abdul Aziz Ab Rahman**, Faiz Arif, Muhammad Mukhlisin. 2019. Auditing Road Maintenance Work Using Unmanned Aerial Vehicle. *JURNAL KEJURUTERAAN* 1 (5), 23-27. 2018. WOS Indexed.

Fifi Susanti Sjafria, Khairul Nizam Abdul Maulud, Wan Shafrina Wan Mohd Jaafar, Faiz Arif, Abdul **Aziz Ab Rahman**, Muhammad Mukhlisin. 2019. Pembangunan Inventori Penyelenggaraan Jalan Raya di UKM dengan Menggunakan Imej Udara. *JURNAL KEJURUTERAAN* 1 (2), 73-78. 2018. WOS Indexed.

FA Mohd, KNA Maulud, **AAA Rahman**, MA Ibrahim, NA Awang. 2018. Evaluation and verification of numerical modelling of nearshore changes due to waves and currents parameter in Carey Island, Malaysia. *IOP Conference Series: Earth and Environmental Science*. Volume 169. Issue 1. 012054. IOP Publishing. WOS Indexed.

Fazly Amri Mohd, Khairul Nizam Abdul Maulud, Rawshan Ara Begum, Othman A Karim, Md Firoz Khan, Siti Norsakinah Selamat, **Abdul Aziz Ab Rahman**, Mohd Aizat Saiful Bahri, Sharifah Mastura Syed Abdullah, Mohd Khairul Amri Kamarudin, Muhammad Barzani Gasim, Hafizan Juahir. 2018. Variation of Beach Profile Along Pahang Coast in Malaysia Variation of Beach Profile Along Pahang Coast in Malaysia (September). doi:10.14419/ijet.v7i3.14.16884. SCOPUS Indexed.

## PROCEEDING:

Faiz Arif, Khairul Nizam Abdul Maulud, **Abdul Aziz Ab Rahman**. 2018. Generation of digital elevation model through aerial technique. *IOP Conference Series: Earth and Environmental Science*. Volume 169. Issue 1. IOP Publishing.

Faiz Arif, **Abdul Aziz Ab Rahman**, Khairul Nizam Abdul Maulud. 2019. Low-Cost Uav For Determination Of Horizontal And Vertical Coordinates Changes Near Coastal Area. *The 40th Asian Conference on Remote Sensing (ACRS 2019) October 14-18, 2019 / Daejeon Convention Center(DCC), Daejeon, Korea*.

Faiz Arif, **Abdul Aziz Ab Rahman**, Khairul Nizam Abdul Maulud. 2019. Low-Cost Unmanned Aerial Vehicle Photogrammetric Survey and Its Application For High-Resolution Shoreline Changes Survey. *Conference: 39th Asian Conference on Remote Sensing*.

**Abdul Aziz Ab Rahman**, Khairul Nizam Abdul Maulud & Othman Jaafar. 2017. Detection of Shoreline Changes Using UAV Approach. *Proceeding of The Tunku Ja'afar Conference (TJC) 2017*. eISBN 978-967-5920-13-4.

**Abdul Aziz Ab Rahman**, Khairul Nizam Abdul Maulud & Othman Jaafar. 2018. Monitoring Coastal Changes Using Geospatial Technique. *Kolokium Penyelidikan. Institut Perubahan Iklim*.

**Abdul Aziz Ab Rahman**, Khairul Nizam Abdul Maulud. 2017. Possibility of UAV Application to Monitor Shoreline Changes. *Kolokium Penyelidikan. Institut Perubahan Iklim*.

## INTERNATIONAL MAGAZINE:

Faiz Arif, **Abdul Aziz Ab Rahman**, Khairul Nizam Abdul Maulud. 2019. Low cost UAV photogrammetric survey. *My Coordinates International Magazine*. <https://mycoordinates.org/low-cost-uav-photogrammetric-survey/>.

## Research Grants and Contracts

Detailed information

Graduated Research Assistant, Physical Impacts Physical impacts of sea level rise due to the changes in coastal and climate system, Transdisciplinary Research Grant Scheme, MOHE TRGS/1/2015/UKM/02/5/1, 04/01/2016 - 03/01/2019. RM 207, 800.00

## Consultation & Expertise

Detailed information

Consultation, Unmanned Aerial Vehicle (UAV) & Agisoft Metashape Workshop

Consultation, GIS & UAV Short Course Training to NAHRIM

Consultation, Servicing Using Own Owned UAV to Determine Terrorism Boundaries in Lot 12648 and Lot 337 between UKM and developer

Speaker, in UiTM Perlis Online WEBINAR for Professional Practice Subject

## **Work and Collaboration Experience**

Detailed information

Lecturer (Part Time Full Time)

Universiti Teknologi MARA Shah Alam (UiTM), 24 Feb 2020 – 30 Jul 2020

As a lecturer at UiTM Shah Alam with involved in teaching, workshop, field survey, local public dialog and etc.

Lecturer (Part Time), Sept 2019 - Dec 2019

Universiti Kebangsaan Malaysia (UKM)

Conducting teaching for subject KH 1123 – Geomatic engineering for Malaysia and International Program (Kuwait Student), under Faculty of Engineering & Built Environment.

Demo Instructor, Sept 2018 - Dec 2018

Universiti Kebangsaan Malaysia (UKM)

Conducting practical and teaching for subject KH 1123 – Geomatic engineering for Malaysia and International Program (Kuwait Student), under Faculty of Engineering & Built Environment.

Graduated Research Assistant, Jan 2017 - Dec 2019

Universiti Kebangsaan Malaysia (UKM),

Conducting as research assistant at Earth Observation Centre, Institute Of Climate Change.

NZ Group Consultant, Jan 2015 - Feb 2015

Part-Time Assistant Surveyor

Ezam & Associates, June 2014 - Aug 2014

Part-Time Surveyor

Jurukur Perunding, APR 2014 - Mei 2014

Assistant Surveyor

## **Awards & Recognitions**

Detailed information

Best Presenter in Institute of Climate Change Research Colloquium, 2018