

Name :	Wani Sofia Binti Udin	
Faculty :	Faculty of Earth Sciences	
Staff No :	00433A	
Grade of Position (VK7/DM54/DM52 etc)	DS51	
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### BASIC PROFILE

Lecturer DM45/DM46/DM51/DM52/DM53/DM54

Appointments	Date/Year of Appointment
Lecturer DM45/DM46	APRIL 2010
Lecturer DM52/DM51	FEB 2016
Year of Birth :	31 <sup>st</sup> October 1985
Ph.D Qualification (Year Obtained)	2015

### RESEARCH INTEREST

- 1) Photogrammetry – UAV for Mapping
- 2) Survey and Mapping
- 3) Geographic Information System

### NATIONAL LEVEL RESEARCH COMMITTEE R

	Name of Research Committee	Hosting Secretariat	Year Involved
1	International Association For Water, Environment, Energy & Society (IAWESS)	Center of Excellence in Water & Environment	September 2020
2.	Malaysia Nature Society (MNS)	Persatuan Pencinta Alam Malaysia	2021
3.	Geological Society of Malaysia	Persatuan Geologi Malaysia	2021

## POSTGRADUATE SUPERVISION

### ON-GOING POSTGRADUATE (RESEARCH) SUPERVISION

	Students Name	Institutions	Year Enrolled	Year End
1	Mohamad Farid bin Alias	UMK	2021	2023

### On-Going PhD SUPERVISION

	Students Name	Institutions	Year Enrolled	Year End
1	Mohd Syakir bin Sulaiman	UMK	2016	2021

## RESEARCH FUNDINGS

### NATIONAL LEVEL ACTIVE RESEARCH FUNDING (MOSTI/FRGS & Others) (Last Five Years)

	Research Project	Source	Total Funds	Begin Year	End Year
1	Determination The Fracture Of Active Quarry Using Unmanned Aerial Vehicle (UAV) Photogrammetric Techniques ((Principal))	FRGS1/2020	RM91,000	1/11/2020	31/10/2022
2	Sistem Maklumat Penilaian Kualiti Jasad Batuan Terlindung Menggunakan Pengintegrasian Kaedah Pemetaan Geologidan Survei Keberintangan Geoelektrik Bagi Pengurangan Risiko Geobencana (Disaster Risk Reduction) di Malaysia (Co-researcher)	FRGS1/2020	RM82,000	1/11/2020	31/10/2022
3	UAV-Based Multi Spectral Imaging system for Mapping Landslide along Jeli-gerik Highway, Kelantan (Principal)	SGJP UMK	RM20,000	1/1/2018	30/6/2019
4	Lithostratigraphical Study Of Gua Musang Area, Kelantan, Malaysia For Assessing Suitability Of Geosites((Co- researcher))	SGJP UMK	RM20,000	09/02/2018	20/02/2019
5	Prediction 2030 of Urban Green Space Landscape structure in Kota Bharu	SGJP UMK	RM20,000	01/01/2018	31/12/2018

### AWARDS (Last Five Years)

	Research Project	Award	Exhibition Name
1	Natural Nanopesticide Formulation	Bronze	Carnival Research & Innovation (CRI) 2019
2	Earth Learning Idea Website As Informative Platform For Virtual Learning In Earth Process	Silver	Teaching Enhancement & Learning Innovation Carnival
3	UAV-Based Multi Spectral Imaging system for Mapping Landslide	Bronze	Carnival Research & Innovation (CRI) 2018

	along Jeli-gerik Highway, Kelantan		
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## PUBLICATIONS

### PUBLICATIONS FOR 2020

- [1] Mohd Shariffuddin, S.I., **Sofia Udin, W.** Landslide Susceptibility Assessment Using Geographic Information System (GIS) Application of Putat Area, Gunungkidul, Yogyakarta, Indonesia. IOP Conference Series: Earth and Environmental Science, 2020, 596(1), 012055
- [2] Syafril, N.S., **Udin, W.S.**, Achmad Bahar, A.M. GIS-Based Landslide Hazard Evaluation and Zonation of Kg. Chas, Kuala Betis, Gua Musang, Kelantan. IOP Conference Series: Earth and Environmental Science, 2020, 549(1), 012013
- [3] Abdul Ghofur, M.N., **Sofia Udin, W.**, Mansor, H.E., Ali Khan, M.M. Mapping of Groundwater Potential Zones in a Crystalline Terrain Using Remote Sensing, GIS Techniques and Field Observations: A Case Study in Parts of Tanah Merah, Kelantan, Malaysia. IOP Conference Series: Earth and Environmental Science, 2020, 549(1), 012026
- [4] Sulaiman, M.S., **Udin, W.S.**, Achmad Bahar, A.M., Fatihi, M., Fikri, A. Alluvium Assessment of Gold-Bearing Layer in Buried Old River Channel by using Electrical Resistivity Method at Batu Melintang, Jeli, Kelantan. IOP Conference Series: Earth and Environmental Science, 2020, 549(1), 012016
- [5] Achmad Bahar, A.M., **Udin, W.S.**, Hussin, H., Sulaiman, N., Sulaiman, N. Geomorphosite Assessment of Renyok River, Jeli, Kelantan. IOP Conference Series: Earth and Environmental Science, 2020, 549(1), 012023
- [6] Sulaiman, N., Sulaiman, N., Hussin, H., Achmad Bahar, A.M., **Udin, W.S.** Diversification of Igneous Rocks and Geoheritage Values in Pergau, Jeli Kelantan. IOP Conference Series: Earth and Environmental Science, 2020, 549(1), 012020

### PUBLICATIONS FOR 2019

- [1] **Udin, W.S.**, Norazami, N.A.S., Sulaiman, N., ...Marail, S., Mohamad Nor, A.N. UAV Based Multi-spectral Imaging System for Mapping Landslide Risk Area Along Jeli-Gerik Highway, Jeli, Kelantan. Proceedings - 2019 IEEE 15th International Colloquium on Signal Processing and its Applications, CSPA 2019, 2019, pp. 162–167, 8695995

### PUBLICATIONS FOR 2018

- [1] **Udin, W.S.**, Malek, N.A. Flood risk analysis in Sg. Sam, Kuala Krai, Kelantan using remote sensing and GIS technique. IOP Conference Series: Earth and Environmental Science, 2018, 169(1), 012060
- [2] **Udin, W.S.**, Ismail, N.A.B., Bahar, A.M.A., Khan, M.M.A. GIS-based River Flood Hazard Mapping in Rural Area: A Case Study in Dabong, Kelantan, Peninsular Malaysia. Asian Journal of Water, Environment and Pollution, 2018, 15(1), pp. 47–55
- [3] **Udin, W.S.**, Ahmad, A. Assessment of photogrammetric mapping accuracy based on variation flying altitude using unmanned aerial vehicle. IOP Conference Series: Earth and Environmental Science, 2014, 18(1), 012027