



PERSONAL DETAILS

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Gender : Male
Date of Birth/Age : 05/09/1983
Nationality : Malaysian
Marital Status : Married
Permanent Address : Faculty of Built Environment and Surveying, Universiti Teknologi
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ID Staff : ██████████
Expertise : Spatial statistic, analysis and modelling
 : Spatial tourism
 : Spatial disaster
 : Spatial social science

H-Index (WOS) : 5
H-Index (SCOPUS) : 7
H-Index (G. Scholar) : 8
H-Index (Researchgate) : 7

ACADEMIC QUALIFICATIONS

Sila susun dari pengajian tertinggi dan seterusnya.

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	START DATE	END DATE
1	PhD	Spatial Science	Curtin University	2010	2014
2	MSc	Geospatial Information Science	Curtin University of Technology	2008	2009
3	BSc	Sains Geoinformatik	UTM	2002	2006

AWARD AND HONORS RECEIVED

Summary	
International Awards/Honors	1
National Awards/Honors	
UTM Awards/Honors	22
Faculty Awards/Honors	9

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	Best Open Paper IGRSM International Conference	International	2022
2	Active Blended Learning Award of Excellent – GIS for Social Science	UTM	2022
3	Active Blended Learning Award of Excellent – Final Year Project 1	UTM	2022
4	Active Blended Learning Award of Excellent – Introduction to Spatial Statistics Section 1	UTM	2022
5	Active Blended Learning Award of Excellent – Introduction to Spatial Statistics Section 2	UTM	2022
6	Active Blended Learning Award of Excellent – Principles of Geographic Information Science Section 1	UTM	2022
7	Active Blended Learning Award of Excellent – Principles of Geographic Information Science Section 2	UTM	2022
8	Active Blended Learning Award of Excellent – Geographical Information System and Spatial Analysis	UTM	2022
9	Active Blended Learning Award of Excellent – Geospatial Database	UTM	2022
10	Excellent Service Award	Faculty	2022
11	Dean Special Award (Frontliner Appreciation)	Faculty	2021
12	Teaching Quality Award (Geoinformatic)	Faculty	2021
13	Research and Innovation Quality Award (FRGS Grant Leader)	Faculty	2021
14	Active Blended Learning Award of Excellent – Geospatial Database	UTM	2021
15	Active Blended Learning Award of Excellent – Principles of Geographic Information Science Section 1	UTM	2021
16	Active Blended Learning Award of Excellent – Principles of Geographic Information Science Section 2	UTM	2021
17	Active Blended Learning Award of Excellent – Final Year Project 1	UTM	2021
18	Active Blended Learning Award of Excellent – Geospatial Database	UTM	2020
19	Active Blended Learning Award of Excellent – Introduction to Spatial Statistics	UTM	2020
20	Active Blended Learning Award of Excellent – Final Year Project 1	UTM	2020
21	Active Blended Learning Award of Excellent – Geospatial Database	UTM	2019
22	Silver Award – NALI 2018 Exhibition and Competition	UTM	2018
23	Active Blended Learning Award of Excellent – Geospatial Database	UTM	2018
24	Citra Karisma Service Award	UTM	2018
25	Excellent Service Award	Faculty	2016

26	Best Research Group Award – Geospatial Imaging and Information Research Group	Faculty	2016
27	Active Blended Learning Award of Excellent – Introduction to Spatial Statistics	UTM	2016
28	Active Blended Learning Award of Excellent – Geospatial Database	UTM	2016
29	Index Publication Editor Award	Faculty	2015
30	Best Student Advisory Activity Award	Faculty	2015
31	Best Research Group Award – Geospatial Imaging and Information Research Group	Faculty	2015
32	Vice Chancellor's Award, The 37th Convocation Ceremony, Universiti Teknologi Malaysia	UTM	2006

WORKING EXPERIENCE

NO	POSITION	START DATE	END DATE	DEPARTMENT/ORGANISATION
1	GIS Coordinator	2019	2020	Azam Dinamik Survey Sdn Bhd
2	Senior Lecturer	2018	Now	FABU, UTM
3	Senior Lecturer	2014	2018	FGHT, UTM
4	Tutor	2006	2014	FGHT, UTM
5	GIS Officer	2011	2014	City of Cockburn, Perth, Australia
6	GIS Officer	2008	2009	Fugro Airborne Survey, Perth, Australia

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Summary	
International Professional Membership / Qualifications / Recognition	1
National Professional Membership / Qualifications / Recognition	2

NO	NAME OF PROFESIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	IEEE Geoscience and Remote Sensing	International	Member	2023
2	MBOT	National	Graduate Technologist	2023
3	RISM	National	Member	2023
4	Heliyon - Mapping Specific Groundwater Nitrate Concentrations from Spatial Data Using Machine Learning: A Case Study of Chongqing, China	International	Journal Reviewer Q2	2023
5	Heliyon - Urban Green Space Cover Change Analysis Under the Dynamics of Rapid Urbanization in Debre Berhan and Debre Markos Cities, Ethiopia	International	Journal Reviewer Q2	2023
6	Heliyon - Perspectives on Ecotourism Management based on Resources, Community, and Tourist: A Systematic Review	International	Journal Reviewer Q2	2023

7	1st International Academic Research Conference (IARECO) 2022 – Covid-19 Geospatial Animation Map of Workplace Cluster in Selangor	International	Conference Reviewer	2022
8	Journal of Advanced Geospatial Science and Technology - The Assessment of Flood Events in Selangor, Malaysia	International	Journal MyCite	2022
9	Heliyon - Flood Havoc on Tourism: A Case Study of the Floods in the Nadi River in Fiji	International	Journal Reviewer Q2	2022
10	Heliyon - Understanding the travel decision-making processes of COVID-19-vaccinated South Korean travelers	International	Journal Reviewer Q2	2022
11	Heliyon - Determination of Sub Counties Vulnerable to Meteorological Drought in Isingiro District, South Western Uganda	International	Journal Reviewer Q2	2022
12	Heliyon - Demographic Profiling of Plastic Bottle Waste Pickers and Related Understanding of Social, Cultural and Economic Dynamics Business Factors: Evidence from Ogun State, Nigeria	International	Journal Reviewer Q2	2021
13	Heliyon - A Framework for Assessing Geospatial Science, Technology and Application in Ethiopia	International	Journal Reviewer Q2	2021
14	2nd International Graduate Conference on Built Environment and Surveying (GBES) 2021 - IFC And CityGML Semantic Transformation For 3D GIS	International	Conference Reviewer	2021
15	2nd International Graduate Conference on Built Environment and Surveying (GBES) 2021 - Automatic Rectification of Invalid 3D Building Models	International	Conference Reviewer	2021
16	International Journal of Image and Data Fusion – GIS-based Information Fusion Techniques to Produce Landslide Susceptibility Maps (Case Study: Zanjan Province, Iran)	International	Journal Reviewer WOS	2020
17	Tourism Management - Understanding Tourist Movement Patterns to a Destination Based on Social Media Data	International	Journal Reviewer Q1	2019
18	1st International Graduate Conference on Built Environment and Surveying (GBES) 2019 - Analysis of Burglary Crime Patterns Through the Integration of Spatial Statistics and Agent-based Modelling	International	Conference Reviewer	2019
19	Tourism Management - Using User Generated Content Data to Analyze the Tourist Mobility Between Hotels and Attractions in City	International	Journal Reviewer Q1	2018
20	Tourism Management - Tourists' Temporal-spatial Behavior at a Captive Wildlife Tourism Destination in China	International	Journal Reviewer Q1	2018
21	The International Conference on Geomatic and Geospatial Technology - Perception Modelling of Visitors in Vargas Museum Using Agent-Based Simulation and Visibility Analysis	International	Conference Reviewer	2017
22	The International Conference on Geomatic and Geospatial Technology - Optimizing Pedestrian-Friendly Walking Path for the First/Last Mile Transit	International	Conference Reviewer	2017

	Journey by using the Analytical Network Process (ANP) Decision Model and GIS Network Analysis			
23	Tourism Management - Identifying the Spatial Structure of Tourist Attraction System in South Korea Using GIS and Network Analysis: An Application of Anchor-Point Theory	International	Journal Reviewer Q1	2017
24	Tourism Management - Identifying the Spatial Structure of Tourism Attraction System Using GIS and Network Analysis: The Case of Seoul, South Korea	International	Journal Reviewer Q1	2017
25	The International Conference on Geomatic and Geospatial Technology - Spatial Data Mining Toolbox for Mapping Suitability of Landfill Sites Using Neural Networks	International	Conference Reviewer	2016
26	Tourism Management - An Application of Network Analysis on Tourist Attractions: The Case of Xinjiang, China	International	Journal Reviewer Q1	2016

ADMINISTRATIVE EXPERIENCE

NO	POSITION	START DATE	END DATE	DEPARTMENT/ FACULTY/ DIVISION
1	Coordinator Training Camp 1	2023	Now	Geoinformation FABU
2	Postgraduate Research Coordinator for Geoinformation	2021	Now	Geoinformation FABU
3	Coordinator E-Portfolio	2017	2018	FGHT
4	Coordinator PSM 1	2016	2021	Geoinformation FGHT Geoinformation FABU
5	Coordinator PSM 2	2016	2021	Geoinformation FGHT Geoinformation FABU
6	Coordinator Endowment	2016	2018	FGHT
7	Coordinator Training Camp 2	2015	2016	Geoinformation FGHT
8	Coordinator Training Camp 1	2014	2016	Geoinformation FGHT

CONSULTATION WORKS

Summary	
Consultation Project-UTM	23 projects (RM 2,222,240)
Consultation Project- Others	4 projects (RM 65,000)

Sila pastikan LENGKAP DENGAN NO VOT

No.	Year	Title	Value (RM)	Vot
1	2023	Assessment of Slope Boundaries at Sireh Park, Iskandar Puteri, Johor	57000	2020 UTSB
2	2022	Kursus Pendek Pengenalan kepada GIS bagi Staf Majlis Perbandaran Kulai (MPKu)	25000	Spin-off (tiada no vot)
3	2022	Program Marin Geospasial dan Kartografi Kategori B FIG/IHO/ICA – Pusat Hidrografi Nasional Malaysia	100000	Spin-off (tiada no vot)
4	2022	Introduction to GIS Using QGIS Workshop	3000	961 UTSB
5	2021	Program Marin Geospasial dan Kartografi Kategori B FIG/IHO/ICA – Pusat Hidrografi Nasional Malaysia	100000	Spin-off (tiada no vot)
6	2021	GIS Short Course for Ranhill SAJ	10000	1965 UTSB
7	2021	Short Course on Geospasial Technologies on Marine Navigation	19800	1955 UTSB
8	2021	Kursus Webinar Spatial Statistik untuk Malaysian Space Agency (MYSA)	26800	Spin-off (tiada no vot)
9	2021	Kursus Sijil Profesional Pengurusan Wakaf, Pengurusan Maklumat Tanah – Kerajaan Johor	2000	SPACE (tiada no vot)
10	2020 – 2022	Kajian Khas Tanah Runtuh Bukit Antarabangsa, Hulu Kelang, Selangor Darul Ehsan – MPAJ	700000	07824 MJIT Business Entity
11	2020	Kursus GPS Advanced – Jabatan Hutan Sarawak	29200	1733 UTSB
12	2020	Program Marin Geospasial dan Kartografi Kategori B FIG/IHO/ICA – Pusat Hidrografi Nasional Malaysia	150000	Spin-off (tiada no vot)
13	2019 – 2020	Kerja Mobile Mapping dan LiDar – TNB	157940	1586 UTSB
14	2019	Kursus GPS Advanced – Jabatan Hutan Sarawak	10000	1615 UTSB
15	2019	Kursus GIS Jangka Pendek Introduction to GIS – Jabatan Hutan Sarawak	23500	1592 UTSB
16	2018 – Now	Asset Data Collection using GPS for GIS Asset Mapping – Sarawak Energy Berhad	98000	1386 UTSB
17	2018 – 2020	Guidelines for Landslide Vulnerability Assessment and Development of Risk Index for Critical Infrastructure (CI) in Malaysia – CREAM CIDB	40000	1348 UTSB
18	2018	Mapinfo GIS Training – MBBJ	10000	Spin-off (tiada no vot)
19	2016 – 2018	Kajian Pelan Induk Pembangunan Geospasial Negeri Perak (2017 – 2021) – UPEN Perak	350000	1106 UTSB
20	2017	Program Marin Geospasial dan Kartografi Kategori B FIG/IHO/ICA – Pusat Hidrografi Nasional Malaysia	100000	Spin-off (tiada no vot)

21	2016	Projek Kajian Semula Pelan Induk Cerun Negara – JKR	30000	1041 UTSB
23	2016	Kursus Penggunaan Geographic Information System (GIS) untuk Kawalan Penyakit Berjangkit _ Jabatan Kesihatan Negeri Johor	30000	1039 UTSB
24	2015	Kajian Penghayatan Kemerdekaan dan Asimilasi Warga Perantau Kelantan di Sarawak – Kerajaan Kelantan	5000	Others (tiada no vot)
25	2009	The Preparation of Geological and Mining Maps for the UAE – The Kingdom of UAE	20000	Others (tiada no vot)
26	2009	The Preparation of Geological and Mining Maps for Madagascar – European Union	20000	Others (tiada no vot)
27	2008	The Preparation of Geological and Mining Maps for West African Countries – European Union	20000	Others (tiada no vot)
28	2007	Kursus GIS untuk Staf Pusat Infrastruktur Data Geospatial Negara – MacGDI	30000	UTSB (tiada rekod)
29	2007	Kursus GIS untuk Staf-staf Agensi Berkaitan Tanah	50000	UTSB (tiada rekod)
30	2007	Kursus GIS untuk Staf-staf Suruhanjaya Pilihanraya	30000	UTSB (tiada rekod)
31	2006	Kursus GIS untuk Staf-staf Jabatan Perangkaan Malaysia	30000	491 UTSB

INTERNATIONAL/NATIONAL/UNIVERSITY COMMITTEE

Summary	
International Committee	6
National Committee	16
University Committee	5
Faculty Committee	37
Community Committee	5

International

NO	NAME OF COMMITTEE	ROLE	START DATE	END DATE
1	3 rd International Built Environment and Surveying Symposium 2023	Member	2023	2023
2	Professional Certificate – Building Engineering and Disaster Management Program – Palestine	Deputy Chairman	2022	2023
3	International Conference on Geomatics and Geospatial Technology	Member	2019	2019
4	1 st International Built Environment and Surveying Symposium 2019	Member	2019	2019
5	International Conference on Geomatics and Geospatial Technology	Member	2017	2017
6	International Conference on Geomatics and Geospatial Technology	Member	2016	2016
7	The 6th Joint International Symposium of Geoinformation and Global Navigation Satellite System	Member	2007	2007

National

NO	NAME OF COMMITTEE	ROLE	START DATE	END DATE
1	Yayasan Strategik Lestari (Sustainable Strategic Foundation) Research Committee	Research Fellow	2022	Now
2	National Atlas Committee	Member	2022	Now
3	Working Group 2: Urban – National Technical Committee for Research in Geoinformation/Geoinformatic (JTPGGK)	Member	2022	Now
4	Terengganu State Executive Councillor on Entrepreneur, Human Resource, Micro Industry and Consumerisme	Advisor	2020	2023
5	Perak State Executive Councillor on Religion and Information	Advisor	2020	2021
6	Guidelines for Landslide Vulnerability Assessment and Development of Risk Index for Critical Infrastructure in Malaysia Focus Group Discussion (FGD)	Facilitator	2018	2018
7	Disaster Simulation and Training Program, Taman Idaman, Serendah, Selangor, CPX-Idaman 2018	Member	2018	2018
8	Perak Geospatial Master Plan Workshop	Facilitator	2016	2017
9	Projek Perintis Negeri Johor: Transformasi Teknologi Geospatial Merentasi Komuniti 2016	Member	2016	2016
10	Seminar and Stakeholder Meeting on The National Slope Master Plan	Member	2016	2016
11	Sime Darby Research Task Force	Leader	2015	2016
12	Kuantan Port Authority Research Task Force	Member	2015	2016
13	Kampungku Short Video Competition	Member	2015	2016
14	Kampungku Short Video Competition Closing Ceremony	Member	2015	2015
15	National Atlas Technical Committee, Department of Survey and Mapping Malaysia	Member	2015	2016
16	National Geomatic/Geoinformatic Student Innovation Competition	Member	2014	2014

University

NO	NAME OF COMMITTEE	ROLE	START DATE	END DATE
1	Rising Above Covid-19 Challenges – Graduate Employability (RACE GE)	Member	2022	2023
2	University E-Portfolio	Member	2017	2019
3	University Alumni	Member	2017	2019
4	University Endowment	Member	2016	2018
5	Staff Committee for GeoFest 2016	Leader	2016	2016
6	European Research Grant Champion	Member	2015	2017

Faculty

NO	NAME OF COMMITTEE	ROLE	START DATE	END DATE
1	Postgraduate Research for Geoinformatic	Leader	2021	Now
2	Postgraduate Geoinformatic Task Force	Member	2021	Now
3	Industrial Training	Member	2021	2021
4	Final Year Project	Member	2021	2021
5	Mphil and PhD Geoinformatic Audit	Member	2021	2021
6	FABU UTMFREE Teaching Group	Member	2020	2023
7	M.Sc Geoinformatic Curriculum Review Task Force	Member	2020	2022
8	FABU Key Focus Area (KFA) 1	Member	2020	2021
9	Preparation of Quality Document for B. Sc Geoinformatic	Member	2020	2021
10	B. Sc Geoinformatic Academic Quality	Member	2020	2021
11	M.Sc Geoinformatic Curriculum Review Task Force	Leader	2020	2021
12	B. Sc Geoinformatic Self Accreditation	Member	2020	2020
13	Strategic Planning	Person-in-charge	2019	2019
14	Marketing	Member	2019	2019
15	B. Sc of Geoinformatic Self Accreditation	Member	2018	2019
16	B. Sc Geoinformatic Academic Quality	Member	2018	2019
17	B. Sc Geoinformatic New Curriculum Development Task Force	Member	2018	2018
18	Final Year Project Standard Operating Procedure	Leader	2017	2018
19	Final Year Project	Leader	2017	2018
20	Occupational Safety, Health and Environment	Member	2017	2018
21	e-Portfolio	Coordinator	2017	2018
22	Promotion and Internationalization	Member	2017	2018
23	Geoinformatic Postgraduate	Member	2017	2018
24	Publication	Member	2017	2018
25	1 st Year Student B. Sc Geoinformatic	Academic Advisor	2016	2020
26	Cartography	Member	2016	2018
27	Strengthening Geoinformatic Program	Member	2016	2018
28	Endowment	Coordinator	2016	2018
29	Geoinformatic Club	Advisor	2015	2021
30	Postgraduate Seminar	Member	2015	2018
31	Postgraduate Final Examination Paper Vetting	Member	2015	2018
32	Undergraduate Final Examination Paper Vetting	Member	2015	2018
33	Prime Speech Program	Member	2015	2015
34	Inaugural Professorial Lecture Program	Member	2015	2015

35	Geospatial Alumni and Human Resource	Member	2014	2018
36	Recognition of Land Surveyor Board (LJT) and Royal Institute of Chartered Surveyors (RICS)	Member	2014	2016
37	Curriculum Improvement for B. Sc and M. Sc (Geoinformatic) Degree Program	Member	2014	2015

Community

NO	NAME OF COMMITTEE	ROLE	START DATE	END DATE
1	Persatuan Ibu Bapa dan Guru Sekolah Menengah Kebangsaan Seri Pulai Perdana	Deputy Chairman	2023	Now
2	Majlis Permuafakatan Pendidikan Khas Sekolah Kebangsaan Taman Universiti 1	Chairman	2020	Now
3	JBPrihatin	Member	2018	Now
4	Young Professional Department Johor	Director	2017	2019
5	Persatuan Mahasiswa Islam UTM	Associate Advisor	2014	2018
6	Malaysian Islamic Society of Western Australia (MISWA Inc)	Founder Advisor	2009	2014

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	START DATE	END DATE
1	Kursus Business Plan – Product Pricing to Introduction to Business Model	UTM	2023	2023
2	Program Bicara Sarjana Siri 2: Strategies for Successful Academic Advancement: Navigating the Path to Promotion as an Associate Professor	UTM	2023	2023
3	Taklimat eLPPT Tahun 2023	UTM	2023	2023
4	Syarahan Kaunselor 3.0 Konflik Keluarga Rawatnya Dengan S.F.F.T	UTM	2023	2023
5	Course on High Impact Community Engagement Based on Quadruple Helix Model	UTM	2023	2023
6	Make a Research as a Habit	FABU	2022	2022
7	Workshop and Forum on Geospatial Technology for Disaster Risk Mapping and Assessment (GeoRISK 2019)	Kundasang	2019	2019
8	3D Laser Scanner and Software Handling Workshop	UTM	2017	2017
9	International and Local Research Proposal Preparation Workshop	UTM	2016	2016
10	Index Journal Writing Workshop Series 1	UTM	2016	2016
11	Supervisory Orientation Course Part 2	UTM	2016	2016
12	Supervisory Orientation Course Part 1	UTM	2015	2015
13	Authoring, Research and Publication Strategic Workshop	Melaka	2015	2015
14	Joint International Geoinformation Conference	Kuala Lumpur	2015	2015
15	Higher Education Teaching and Learning Course	UTM	2015	2015
16	GIS Leaders Forum	Putrajaya	2015	2015
17	Digital Kelantan Research Workshop	Universiti Malaysia Kelantan	2015	2015
18	COPPA Improvement Workshop for B.Sc Geoinformatic	FGHT	2015	2015
19	MyREN Cloud Seminar	UTM	2014	2014
20	The 18 th ESRI Malaysia User Conference	Putrajaya	2014	2014

RESEARCH ACTIVITIES

Summary	
Principal Investigator- International Grants	
Principal Investigator- National Grants	3 projects (RM171,700)
Principal Investigator- UTM Grants	3 projects (RM82,400)
Member- International Grants	2 projects (RM132,510)
Member- National Grants	10 projects (RM1,172,669)
Member- UTM Grants	16 projects (RM781,100)

As a principal investigator

NO	NAME OF GRANT	GRANT TYPE	CATEGORY OF GRANT	AMOUNT (RM)	START DATE	END DATE	VOTE NO
1	Quantifying Climate Changes Effect Towards Landslide Hazard Zonation	Matching Grant	UTM	32400	10/03/2023	09/03/2025	Q.J13000 0.3052.04 M26
2	Quantifying Climate Changes Effect Towards Landslide Hazard Zonation for Urban Community	Others-MG	External Grant	33000	10/03/2023	09/03/2025	R.J13000 0.7352.4B 831
3	Indeks IGeo-Harmony bagi Memetakan Tahap Keharmonian Masyarakat dengan Mengambil Kira Faktor Ketegangan Etnik dan Radikalisme	FRGS	Government – KPT	113000	01/11/2020	30/04/2024	R.J13000 0.7852.5F 290
4	Machine Learning Parameterization of Spatial-Based Multi-Tourism Tour Packaging	UTMER	UTM	29900	01/11/2019	30/04/2022	Q.J13000 0.2652.17 J58
5	Penghasilan peta tematik pilihanraya untuk menguji kesesuaian teknologi geospasial sumber terbuka dalam memetakan persepsi belia	UTM Tier 2	UTM	20000	01/07/2017	30/09/2018	Q.J13000 0.2627.13 J88
6	Geofest 2016: Discovering the World through GIS	Networking Grant	Private – Petronas	25700	10/10/2016	11/10/2016	S.J13000 0.7627.4X 210

As a scientific member

NO	NAME OF GRANT	GRANT TYPE	GRANT CATEGORY	AMOUNT (RM)	START DATE	END DATE	VOTE NO
1	A Novel Integrated Approach for Assessing Flood Risk Susceptibility Map using the Derived Digital Elevation Model, Vertical Land Motion, and Spatially Water Level Trends in Malaysian Metropolitan Areas	UTM Fundamental Research	UTM	127000	01/10/ 2023	30/09/ 2026	Q.J1300 00.3852 .22H75
2	Identification of Potential Astro Tourism Sites using Night Sky Brightness Assessment	UTM Encouragement Research	UTM	60000	01/11/ 2022	31/10/ 2024	Q.J1300 00.3852 .31J14
3	The Development of Site Information and Selection for Potential Electric Vehicle Charging Station Sites in Urban Area	UTM Fundamental Research	UTM	60000	01/06/ 2022	31/05/ 2024	Q.J130 000.385 2.22H24
4	Enhancement in Establishing Quasi-Seamless Vertical Reference Surfaces for Contemporary Hydrographic Practices	UTM Encouragement Research	UTM	59200	01/11/ 2022	31/10/ 2024	Q.J1300 00.3852 .31J46
5	Development of UTM Landslide Susceptibility Map	Industry- International Incentive Grant	International	10000	01/06/ 2021	31/05/ 2022	Q.J1300 00. 3651.03 M35
6	Pembinaan Model MyEthno Harmoni (Dakwah-Politik Islam dan Bukan Islam) bagi Pendekatan Remedi Ketegangan Etnik dan Deradikalisasi	FRGS	Government – KPT	63600	01/11/ 2020	31/10/ 2023	R.J1300 00.7853 .5F411
7	Electricity Assets Detection and Inventory Using Machine Learning and Three Dimensional (3D) Template Matching	FRGS	Government – KPT	75400	01/11/ 2020	30/10/ 2023	R.J1300 00.7852 .5F396

	Approaches on High Density Mobile Laser Scanning Data						
8	Evaluating and Monitoring the Effects of Climate Changes on Landslide Hazard Zonation Using Artificial Neural Network and Real-Time Monitoring System	UTM High Impact Research	UTM	120000	01/01/2020	30/06/2023	Q.J1300 00.2451 .09G23
9	Vertical Land Motion Estimation from Global Navigation Satellite Systems (GNSS)	UTM Tier 2	UTM	30000	01/08/2019	31/01/2022	Q.J1300 00.2652 .16J88
10	Vessel Charges Estimation by Using Geospatial Approach	UTMER	UTM	25900	01/11/2019	30/04/2022	Q.J1300 00.2652 .18J19
11	Development of Malaysian Coastal Inundation Forecasting System (MyCIForS) for Coastal Vulnerability Assessment	UTMPR	UTM	51500	01/01/2020	30/06/2022	Q.J1300 00.2852 .00L54
12	Physical Coastal Vulnerability Index From Space Geodetic Techniques	External	Government – NAHRIM	67500	01/09/2019	30/11/2020	R.J1300 00.7352 .4B409
13	Development of an Innovative Method for Assets and Facilities Mapping and Recording Based on the Geoinformation Field	UTM-TDR	UTM	80000	01/12/2018	30/11/2022	Q.J1300 00.355 2.05G12
14	Multi-Hazard Risk Assessment and DRR Alternative Strategies Based on Machine Learning Techniques for Water- and Sediment-based Disaster	UTM-TDR	UTM	65000	01/12/2018	31/05/2022	Q.K130 000.355 6.05G45
15	Multi-Resolution Remote Sensing Data for Landslides Detection, Mapping and Monitoring	UTM Tier 1	UTM	50000	01/02/2018	31/12/2020	Q.J1300 00.2527 .19H43

16	The "Power of the NGO Voice": The Roles of Malaysian NGOs in Humanitarian Relief and Conflict Resolution in the Middle East	UTM Tier 1	UTM	39500	01/07/2017	30/06/2019	Q.J1300 00.2533 .16H72
17	Charaterization of the Dynamic of Plant Disease Using Spatio-Temporal Model: a Case Study of Jackfruit Disease in Johor	UTM Tier 1	UTM	40000	01/07/2017	30/04/2019	Q.J1300 00.2527 .17H13
18	Development of Technical Framework for Sewerage Asset's Spatial Analysis Risk Assessment	PAS	UTM	20000	15/10/2017	31/12/2018	Q.J1300 00.2727 .03K12
19	PM2.5 Concentration Forecasting Using Geographic Information System (GIS) Spatial Mapping In Southern Peninsular Malaysia	UTM Tier 2	UTM	20000	01/07/2017	30/09/2018	Q.J1300 00.2622 .14J61
20	Community-Based Disaster Informatics for Building Resilient Cities	Business Entity	International	122510	01/04/2017	31/03/2018	S.K1300 00.0440 .4Y109
21	Assessment of Mangrove Habitat and River Shoreline Erosion Due to Boat Generated Wave and Sea Level Rise	TRGS	Government – KPT	207000	04/01/2016	03/07/2019	R.J1300 00.7827 .4L855
22	Penilaian Ketepatan Kamera Digital Pelbagai Resolusi untuk Aplikasi Pemetaan Kampus UTM Menggunakan Pesawat Udara Tanpa Pemandu/Dron pada Ketinggian Penerbangan yang Berbeza	UTM Tier 1	UTM	40000	01/10/2016	30/09/2018	Q.J1300 00.2527 .16H05
23	Contract Research on the Production Of Slope Hazard And	Contract Research	Private – Geostrata Sdn Bhd	420369	21/01/2016	30/04/2017	R.K130 000.764 0.4C102

	Risk Mapping In Sabah						
24	A GIS-Based Spatial Correlation Analysis for Atmospheric Fine Particulates Assessment of Urban-Industrial Area	UTM Tier 2	UTM	20000	01/10/2016	31/12/2017	Q.J1300 00.2622 .12J72
25	Projek Perintis Negeri Johor: Transformasi Teknologi Geospasial Merentas Komuniti	Networking Grant	Government – Kementerian Kemajuan Luar Bandar dan Wilayah	3900	15/02/2016	11/10/2016	S.J1300 00.7327 .4X169
26	Knowledge Transfer Program: Penggunaan Sistem Berpusat untuk Koordinasi Bantuan Lebih Sistematis dan Berpusat Di Kalangan Sukarelawan Banjir Negeri Kelantan	Networking Grant	Government – Kementerian Pembangunan Wanita, Keluarga dan Masyarakat	5000	01/08/2016	31/12/2016	S.J1300 00.7327 .4X158
27	Quantification of Sea Level Trend and Future Projection of Sea Level Up to Year 2100 Using Multi-mission Satellite Altimeter over Malaysian Seas	FRGS	Government – KPT	98700	02/11/2015	01/11/2017	R.J1300 00.7827 .4F706
28	Multi Scale LiDar-Derived Landslide Maps: a New Tool for an Old Problem	FRGS	Government – KPT	104200	01/07/2014	30/06/2016	R.K130 000.784 0.4F480

COLLABORATION / MOU

NO	NAME OF MOU	LEVEL OF MOU (NATIONAL/INTERNATIONAL)	START DATE	END DATE
1	Preventing Future Landslide Disaster Risk by Science, Technology and Innovation in Selangor (PREVENT-LANDSLIDE)	National	2021	2022

TEACHING ACTIVITIES

Summary	
Total Credit Hours	226

UNDERGRADUATES

Semester	Sem	Subject Code	Subject	Credit Hour	No of Student
2023/2024	1	SBEG2463	Cartography	3	54
2022/2023	2	SBEG2492	GIS Training Camp 1	2	55
2022/2023	2	SBEG4913	GIS for Social Science	3	24
2022/2023	2	SBEG2413	Introduction to Spatial Statistics	3	56
2021/2022	2	SBEG4913	GIS for Social Science	3	36
2021/2022	2	SBEG2413	Introduction to Spatial Statistics	3	50
2021/2022	1	SBEG1443	Principles of Geographic Information Science	3	50
2021/2022	1	SBEG4602	Undergraduate Project 1	2	2
2021/2022	1	SGHG4664	Undergraduate Project 2	4	4
2020/2021	2	SBEG2413	Introduction to Spatial Statistics	3	44
2020/2021	2	SGHG4602	Undergraduate Project 1	2	1
2020/2021	2	SGHG4664	Undergraduate Project 2	4	40
2020/2021	1	SGHG4602	Undergraduate Project 1	2	42
2020/2021	1	SGHG4602	Undergraduate Project 1	2	2
2020/2021	1	SGHG4664	Undergraduate Project 2	4	6
2019/2020	2	SBEG2413	Introduction to Spatial Statistics	3	37
2019/2020	2	SGHG4602	Undergraduate Project 1	2	3
2019/2020	2	SGHG4664	Undergraduate Project 2	4	32
2018/2019	3	SGHG4664	Undergraduate Project 2	4	6
2018/2019	3	SGHG4602	Undergraduate Project 1	2	3
2018/2019	2	SGHG2413	Introduction to Spatial Statistics	3	40
2018/2019	2	SGHG4602	Undergraduate Project 1	2	24
2018/2019	2	SGHG4664	Undergraduate Project 2	4	28
2018/2019	2	SGHG4664	Undergraduate Project 2	4	19
2018/2019	1	SGHG4602	Undergraduate Project 1	2	3
2018/2019	1	SGHG3542	GIS Training Camp 2	2	35
2018/2019	1	SGHG4602	Undergraduate Project 1	2	50
2018/2019	1	SGHG4664	Undergraduate Project 2	4	1
2017/2018	3	SGHG4664	Undergraduate Project 2	4	4
2017/2018	2	SGHG2413	Introduction to Spatial Statistics	3	35
2017/2018	2	SGHG2492	GIS Training Camp 1	2	36
2017/2018	2	SGHG4602	Undergraduate Project 1	2	1
2017/2018	2	SGHG4664	Undergraduate Project 2	4	38
2017/2018	1	SGHG3542	GIS Training Camp 2	2	54
2017/2018	1	SGHG4602	Undergraduate Project 1	2	38
2017/2018	1	SGHG4664	Undergraduate Project 2	4	6
2016/2017	3	SGHG3584	Industrial Training	4	2
2016/2017	3	SGHG4664	Undergraduate Project 2	4	3
2016/2017	2	SGHG2413	Introduction to Spatial Statistics	3	52
2016/2017	2	SGHG2492	GIS Training Camp 1	2	52
2016/2017	2	SGHG4664	Undergraduate Project 2	4	39

2016/2017	1	SGHG3584	Industrial Training	4	3
2016/2017	1	SGHG3542	GIS Training Camp 2	2	37
2016/2017	1	SGHG4602	Undergraduate Project 1	2	39
2016/2017	1	SGHG4664	Undergraduate Project 2	4	4
2015/2016	3	SGHG4664	Undergraduate Project 2	4	1
2015/2016	2	SGHG3542	GIS Training Camp 2	2	39
2015/2016	2	SGHG2413	Introduction to Spatial Statistics	3	40
2015/2016	2	SGHG2492	GIS Training Camp 1	2	38
2015/2016	2	SGHG4664	Undergraduate Project 2	4	1
2015/2016	1	SGHG4602	Undergraduate Project 1	2	2
2014/2015	2	SGHG3542	GIS Training Camp 2	2	34
2014/2015	2	SGHG4664	Undergraduate Project 2	4	2
2014/2015	2	SGHG3584	Industrial Training	4	3
2014/2015	2	SGHG3591	Industrial Training Seminar	1	3
2014/2015	2	SGHG2413	Introduction to Spatial Statistics	3	39
2014/2015	2	SGHG2492	GIS Training Camp 1	2	39
2014/2015	1	SGHG3542	GIS Training Camp 2	2	31
2014/2015	1	SGHG4602	Undergraduate Project 1	2	2
2006/2007	2	SGG2413	Introduction to Spatial Statistics	3	28
Total credits				173	

POSTGRADUATES

Semester	Sem	Subject Code	Subject	Credit Hour	No of Student
2023/2024	1	MGHG1124	Geospatial Databases	4	4
2023/2024	1	MGHG1114	Principles of GIS	4	4
2022/2023	1	MGHG1124	Geospatial Databases	4	2
2022/2023	1	MGHG1114	Principles of GIS	4	2
2022/2023	1	MGHS1054	Geographical Information System and Spatial Analysis	4	5
2021/2022	1	MGHG1124	Geospatial Databases	4	3
2021/2022	1	MGHG2218	Master's Project	8	1
2020/2021	1	MGHG1124	Geospatial Databases	4	2
2018/2019	1	MGHG1124	Geospatial Databases	4	5
2017/2018	1	MGHG1124	Geospatial Databases	4	2
2016/2017	1	MGHG2218	Master's Project	8	1
2016/2017	1	MGHG1124	Geospatial Databases	4	5
2015/2016	1	MGHG1124	Geospatial Databases	4	8
2014/2015	1	MGHG1124	Geospatial Databases	4	2
Total credits				64	

SUPERVISION

Summary	
Main Supervisor – PhD (Graduated)	1
Co-Supervisor – PhD (Graduated)	
Main Supervisor – PhD (Ongoing)	4
Co-Supervisor – PhD (Ongoing)	4
Main Supervisor- M.Phil (Graduated)	1
Co-Supervisor – M.Phil (Graduated)	2
Main Supervisor- M.Phil (On-Going)	2
Co-Supervisor – M.Phil (On-Going)	2
Main Supervisor- M.Sc (Graduated)	5
Main Supervisor- M.Sc (On-Going)	
Main Supervisor- Master Mixed-Mode (Graduated)	
Main Supervisor- Master Mixed-Mode (On-Going)	

PhD Student

No.	Name	Student ID	Status (Graduated/ On-Going)	Title	Roles of Supervision
1	Hamza Ahmad Al-Halaybeh	PBE233043	On-Going	Using Geoinformatics for Land-Water and Disaster Management in Palestine	Main Supervisor
2	Nik Ahmad Faris Bin Nik Effendi	PGH223008	On-Going	Spatial Tsunami Vulnerability Assessment for Communities	Main Supervisor
3	Amos Mafigiri	PGH213032	On-Going	Landslide Hazard Zonation using Climate Change and Anthropological Factors	Main Supervisor
4	Juhaida Binti Jamal	PGH203030	On-Going	Geospatial Analysis Of Radicalism Via Machine Learning	Main Supervisor
5	Hafiz Aminu Umar	PGH173027	Graduated	Underground Water Hydrocarbon Pollution Modelling Using Geospatial Approach And Its Impact On Ahoada Communities Health	Main Supervisor
6	Wardatun Ahmar Binti Abdul Manan	PKA193020	On-Going	Landslide Susceptibility Map Assessment Using Geographic Information Systems	Co-Supervisor
7	Mohamed Khatif Tawaf Bin Mohamed Yusof	PKA203016	On-Going	Evaluating the Effects of Climate Changes on Landslide Hazard Zonation Area Using Artificial Neural Network and YS Slope Model	Co-Supervisor
8	Mohd Asraff Bin Asmadi	PGH153033	On-Going	Development Of Landslide Vulnerability And Risk Assessment Models For Critical Infrastructure In	Co-Supervisor

				Malaysia Using Geospatial Approachmohd	
9	Mohd Radhie Bin Mohd Salleh	PGH173002	On-Going	Vegetation Anomalies As An Indicator For Landslide Activity Classification Using Multiresolution Remote Sensing Data	Co-Supervisor

MSc. Student

No.	Name	Student ID	Status (Graduated/ On-Going)	Title	Mode (Research / Taught-course/ Mixed Mode)	Roles of Supervision
1	Nur Fadhilah Binti Ramli	MGH213009	On-Going	Spatial Parameterization of Tourism Attraction for Tour Packaging	Research	Main Supervisor
2	Mohammad Sahrul Akmal Bin Abd Sahrin	MGH183007	On-Going	Advancing Landslide Risk Register Via Geospatial Metamodel Approach Case Study Of Bukit Antarabangsa	Research	Main Supervisor
3	Norhafizi Bin Mohamad	MGH163018	Graduated	Improvement of Point Cloud Algorithm for the Assessment of Surface Elevation Changes Underneath Mangrove Canopy Using Unmanned Aerial Vehcile Data	Research	Main Supervisor
4	Umar Mohammed Jambo	MGH211007	Graduated	Geospatial Approach for Landslide Vulnerability Assessment of Physical Infrastructures in Sireh Park, Johor Bahru	Taught Course	Main Supervisor
5	Amos Mafigiri	MGH201012	On-Going	Human Factor Impact Towards Landslide Susceptibility	Taught Course	Main Supervisor
6	Omer Elsayedfaki Elsayed Mohamed Nour Faki	MGH181013	Graduated	Inventory of Tree Species and Risk in Universiti Teknologi Malaysia Using Geographic Information System	Taught Course	Main Supervisor
7	Dezeree Difny Noris	MGH161021	Graduated	Weight of Evidence Modelling for Landslide Susceptibility Mapping in Sepanggar, Sabah	Taught Course	Main Supervisor
8	Nur Najihah Binti Hasan	MGH151042	Graduated	Assessing the Prevalence of Hand, Foot and Mouth Disease Using Geospatial	Taught Course	Main Supervisor

				Density and Distribution Techniques		
9	Norraisha Binti Md Sabtu	MGH173007	Graduated	Predictive Model for Red Palm Weevil Population in Coconut Using Environmental Variables and Regression Method	Research	Co-Supervisor
10	Siti Marissa Binti Abd Rahim	MKA203001	On-Going	Assessment of Landslide Susceptibility Mapping Due to Surface and Subsurface Factor	Research	Co-Supervisor
11	Mohamad Saiful Bin Mohamad Khir	MKA163019	On-Going	Spatio-temporal Analysis of Fine Particulate Matter on Southern Peninsular Malaysia	Research	Co-Supervisor
12	Nur Fadila Binti Khalid	MGH153001	Graduated	Coastal Inundation Risk Assessment Using Multiresolution Satellite Altimeter and Digital Elevation Models	Research	Co-Supervisor

UTM POSTGRADUATE EXAMINATION/ VIVA

Summary	
MSc/Mphil internal examiner	6
PhD/fast track internal examiner	4
Others Examiner	

Msc/Mphil internal examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	Internal Examiner	Nurfahani Binti Rizal	Spatial Sustainability Assessment of Affordable Housing in Kuala Lumpur and Selangor	2023
2	Internal Examiner	Aliyu Bello Abdulkadir	Suitability Analysis for Siting Petrol Filling Stations using Geographical Information Systems Technique in Zaria Local Government of Kaduna State Nigeria	2022
3	Internal Examiner	Nor Zahidah Mohd Zaki	Geopostcode Design and Implementation	2017
4	Internal Examiner	Mohammed Hassan Haji	-	2017
5	Chairman	Mior Asri Bin Mior Termizi	-	2016
6	Internal Examiner	Mohammed Adamu Dogon Yaro	-	2016

PhD/fast track internal examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	Assistant Chairman	Babalola Sunday Oteyayo	-	2017
2	Assistant Chairman	Ali Jamali	-	2017
3	Assistant Chairman	Muhammd Imzan Bin Hassan	-	2016
4	Assistant Chairman	Ahmed Hamood Mohammed Al Wardi	-	2015

EXTERNAL EXAMINATION/ VIVA

Summary	
MSc/Mphil external examiner	
PhD/fast track external examiner	
Others Examiner	

Msc/Mphil external examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR

PhD/fast track external examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR

PUBLICATIONS

Summary	
ISI Article/Journal	13
Scopus Article/Journal	1
Non-Indexed Article/Journal	5
Indexed Conference Proceedings	21
Non- Indexed Conference Proceedings	11
Book Chapters	5
Original Book	
Classified/Technical /Expert Report	14
Policy Paper	3

N o	Article Title	Journal Title	ISSN	Vol	Iss ue	Pg	Publi sh Year	IF	Type	Q
1	Assessing the impact of RCP4.5 and RCP8.5 scenarios on landslide susceptibility mapping using support vector machine: A case study of Penang Island, Malaysia	Physics and Chemistry of the Earth	1474 - 7065	In Press https://www.sciencedirect.com/science/article/pii/S1474706523001407				3.7	ISI	2
2	Geospatial Approach for Landslides Vulnerability Assessment of Physical Infrastructures in Sireh Park, Johor Bahru	Geografia – Malaysian Journal of Society and Space	2180 - 2491	In Press (Evidence of Acceptance E-Mailed)				0.5	ISI	-
3	A Review of the Application of Support Vector Machines in Landslide Susceptibility Mapping	Disaster Advances	0974 - 262X	16	11	71 - 83	2023	-	ISI	-
4	A Systematic Review of The Recent Geospatial Approach in Addressing Spatially-related Radicalism and Extremism Issues	International Journal of Built Environment and Sustainability (IJBES)	2289 - 8948	10	3	37 – 49	2023	0.8	ISI	4
5	Assessing the Influence of Anthropogenic Causal Factors on Landslide Susceptibility in Bukit	International Journal of Built Environment and	2289 - 8948	10	1	43 – 60	2023	-	ISI	-

	Antarabangsa, Selangor	Sustainability (IJBES)								
6	An Integrated Investigation Of Hydrocarbon Pollution In Ahoada Area, Niger Delta Region, Nigeria	Environmental Science and Pollution Research	1614 - 7499	-	1	-	2023	5.19	ISI	2
7	Boosting Ensemble Learning Technique for Landslide Activity Classification using Vegetation Anomalies Indicators	Journal of Advanced Geospatial and Technology	2811 - 325X	3	1	48 - 72	2023	-	MyCite	-
8	A Meta-Analysis for the Inclusion of Area of Kohler's Taxonomy in Transition Program for Students With Disabilities	International Journal of Early Childhood Special Education	1308 - 5581	14	5	762 6 – 763 4	2022	-	ISI	-
9	Digital Learning in Technical and Vocational Education and Training (TVET) in Public University, Malaysia	Journal Of Technical Education and Training	2229 - 8932	14	3	49 - 59	2022	-	ISI	-
10	Landslide Vulnerability and Risk Assessment: a Guideline for Critical Infrastructure in Malaysia	Thai Geoscience Journal	2730 - 2695	3	4	20 - 35	2022	-	-	-
11	Surface Elevation Changes Estimation underneath Mangrove Canopy Using SNERL Filtering Algorithm and DoD Technique on UAV-Derived DSM Data	ISPRS International Journal of Geoinformation	2220 - 9964	11	32	1 – 31	2022	2.899	ISI	1
12	Support Vector Machine for Landslide Activity Identification Based on Vegetation Anomalies Indicator	Journal of Information System and Technology Management	0128 - 1666	7	25	148 - 158	2022	-	MyCite	-
13	Geospatial Metamodel For Landslide Disaster Management in Malaysia: Current Practices	Journal of Information System and Technology Management	0128 - 1666	7	25	65 - 82	2022	-	MyCite	-

14	Potential Vulnerability Impact Of Coastal Inundation Over Kelantan Coast Due To Sea Level Rise Based On Satellite Altimetry, Gps And Lidar Data	Arabian Journal of Geosciences	1866 - 7511	14	24	1 – 34	2021	1.827	ISI	3
15	Advancing Landslide Risk Registers via the Geospatial Metamodel Approach: a Review	Journal of Advanced Geospatial and Technology	2811 - 325X	1	1	89 – 114	2021	-	-	-
16	Environmental And Socioeconomic Impacts of Pipeline Transport Interdiction in Niger Delta, Nigeria	Heliyon	2405 – 8440	7	5	1 – 10	2021	0.33	ISI	-
17	Evaluating Water Level Changes at Different Tidal Phases Using UAV Photogrammetry and GNSS Vertical Data	Sensors	1424 8220	19	17	1 – 19	2019	3.031	ISI	1
18	Revised Progressive Morphological Method for Ground Point Classification of Airborne LiDar Data	International Journal of Built Environment and Sustainability	2289 – 8948	6	1 – 2	31 – 38	2019	-	ISI	-
19	Spatio-temporal Analysis of PM10 in Southern Peninsular Malaysia	International Journal of Engineering and Technology	2227 524X	7	3	27	30	-	Scopus	-

NO.	TYPE a. INDEXED PROCEEDINGS/ CONFERENCE b. NON- INDEXED PROCEEDINGS/ CONFERENCE c. SEMINARS/ WORKSHOPS d. THESIS e. ORIGINAL BOOK f. EDITED BOOK g. BOOK CHAPTER h. CLASSIFIED/ TECHNICAL/ EXPERT REPORT i. POLICY PAPER	TITLE	YEAR	AUTHOR
1	Indexed Proceedings/Conference	An overview of different models used in the deterministic approach for landslide susceptibility mapping	2023	Abdul Manan, W. A., Mohamaed Yusof, M. K. T., Abd Rahim, S. M., Razali, R. A. Rashid, A. S., Abdul Khanan, M. F. , Abd Rahman, M. Z.
2	Indexed Proceedings/Conference	Fractal Analysis for Oil Spills Clustering in Ahoada Communities of the Niger Delta Region of Nigeria	2023	Umar, H. A., Abdul Khanan, M. F. , Magashi, S. B., Ja'afar, M. M., Sani, M. J.
3	Indexed Proceedings/Conference	Assessment on Recent Landslide Susceptibility Mapping Methods: A Review	2022	Abdul Manan, W. A., A. Rashid, A. S., Abd Rahman, M. Z., Abdul Khanan, M. F.
4	Policy Paper	Garis Panduan Resilience in Construction (Landslide) oleh Pihak Berkuasa Tempatan (Pekeliling KPKT)	2022	Abdul Khanan, M. F. , Abd Rahman, M. Z., Nazir, R., Razak, K. A., Che Hasan, R.
5	Classified/Technical/Expert Report	Development of Malaysian Coastal Inundation Forecasting System (MyCIFORS) for Coastal Vulnerability Assessment	2022	Md Din, A. H., Omar, A. H., Idris, N. H., Idris, N. H., Abdul Khanan, M. F. , Mohd Adzmi, N. H.
6	Classified/Technical/Expert Report	Final Report - Prevent-Landslide - Preventing Future Landslide Risk by Science, Technology and Innovation in Selangor	2022	Razak, K. A., Che Hassan, R., Abdul Khanan, M. F. , Abd Rahman, M. Z., Abdullah, R. A., Mohamad, Z.
7	Indexed Proceedings/Conference	Classification of Translational Landslide Activity Using Vegetation Anomalies Indicator (VAI) in Kundasang, Sabah	2022	Mohd Salleh, M. R., Norhairi, N. H. A., Ismail, Z., Abd Rahman, M. Z., Abdul Khanan, M. F. , Asmadi, M. A., Razak, K. A., Tam, T. H., Osman, M. J.

8	Indexed Proceedings/Conference	Vessel Charges Estimation by Using Geospatial Approach for Kuantan Port, Pahang	2022	Wan Kadir, W. H., Abd Rahman, M. Z., Abdul Khanan, M. F. , Ariffin, A., Rambat, S.
9	Book Chapter	Evaluating Water Level Changes at Different Tidal Phases Using UAV Photogrammetry and GNSS Vertical Data	2021	N. Mohamad, M. F. Abdul Khanan , A. Ahmad, A. H. Md Din, H. Shahabi
10	Non- Indexed Proceedings/Conference	An Integrated Investigation of Hydrocarbon Pollution in Ahoada Area, Niger Delta Region, Nigeria	2021	H. A. Umar, M. F. Abdul Khanan , M. S. Shiru, A. Ahmad, M. Alel, C. Ogbonnaya, S. K. Iheagwam
11	Book Chapter	Evaluating Water Level Changes at Different Tidal Phases Using UAV Photogrammetry and GNSS Vertical Data	2021	N. Mohamad, M. F. Abdul Khanan , A. Ahmad, A. H. Md Din
12	Classified/Technical/ Expert Report	Physical Coastal Vulnerability Index from Space Geodetic Techniques	2020	A. H. Md Din, A. H. Omar, N. Yusof, M. F. Abdul Khanan
13	Classified/Technical/ Expert Report	Guidelines For Landslide Vulnerability Assessment and Development of Risk Index for Critical Infrastructure (CI) In Malaysia	2020	M. Z. Abdul Rahman, M. F. Abdul Khanan , R. Che Hassan
14	Non- Indexed Proceedings/Conference	Forecasting Future Riverbank Erosion Model Using Kernel Density and Line Buffering Method	2020	N. Mohamad, M. F. Abdul Khanan , A. Ahmad, A. H. Md Din
15	Indexed Proceedings/Conference	Coastal Vulnerability Index Development: A Review	2019	A. I. Abdul Hamid, A. H. Md Din, N. Yusof, A. H. Omar, M. F. Abdul Khanan , N. Mohamad Abdullah
16	Indexed Proceedings/Conference	Analysing Student Tourist Movement Based on The Utility Maximisation in Designing Tour Package in Johor Bahru	2019	I. Farid, M. F. Abdul Khanan , H. A. Umar, Z. Ismail
17	Indexed Proceedings/Conference	Integrating Network Concept into Multi Criteria Analysis for Suggesting Bus Rapid Transit Routes	2019	N. L. Jamalul Shamsudin, M. F. Abdul Khanan , H. A. Umar, S. N. Atan, A. H. Md Din
18	Indexed Proceedings/Conference	Spatial Database Development for Oil Spills Pollution Affecting Water Quality System in Niger Delta	2019	H. A. Umar, M. F. Abdul Khanan , A. Ahmad, M. J. Sani, M. Z. Abdul Rahman, A. Abdul Rahman
19	Indexed Proceedings/Conference	Boundary Re-Assessment of The Meter Reading Unit (MRU) for Tenaga Nasional Berhad, TNB Cheras	2019	A. S. Zulkeflee, M. F. Abdul Khanan , H. A. Umar, M. Z. Abdul Rahman, N. F. Nik Mohd Kamil

20	Indexed Proceedings/Conference	Spatial Prediction Models for Landslide Activity Mapping Using Vegetation Anomalies	2019	M. R. Mohd Salleh, Z. Ismail, S. A. Mohd Ariff, M. Z. Abdul Rahman, M. F. Abdul Khanan , M. A. Asmadi, K. A. Razak
21	Book Chapter	Vessel Charge Estimation	2019	M. S. A. Abdul Sahrin, M. F. Abdul Khanan
22	Non- Indexed Proceedings/Conference	Assessing The Economic Consequences of Pipeline Sabotage in The Niger Delta Area of Nigeria Using Geographic Information System	2019	H. A. Umar, M. F. Abdul Khanan , A. Ahmad
23	Classified/Technical/ Expert Report	Guidelines For Landslide Vulnerability Assessment and Risk Analysis for Critical Infrastructure (CI) In Malaysia	2019	M. Z. Abdul Rahman, M. F. Abdul Khanan , R. Nazir, K. A. Razak, R. Che Hassan, M. A. Asmadi
24	Book Chapter	Geospatial Approach for Landslide Hazard and Risk Assessment	2019	M. Z. Abdul Rahman, M. F. Abdul Khanan , K. A. Razak, M. R. Mohd Salleh
25	Non- Indexed Proceedings/Conference	Vegetation Indices for Landslide Activity Assessment	2019	M. R. Mohd Salleh, M. Z. Abdul Rahman, M. F. Abdul Khanan , Z. Ismail, M. A. Asmadi, M. J. Osman
26	Indexed Proceedings/Conference	Multi-Resolution Remote Sensing Data in Landslide Activity Inventory Mapping	2018	M. R. Mohd Salleh, M. Z. Abdul Rahman, M. F. Abdul Khanan , Z. Ismail, K. A. Razak,
27	Indexed Proceedings/Conference	Spatio-Temporal Analysis of River Morphological Changes and Erosion Detection Using Very High-Resolution Satellite Image	2018	N. Mohamad, M. F. Abdul Khanan , I. A. Musliman, W. H. Wan Kadir, A. Ahmad, M. Z. Abdul Rahman,
28	Indexed Proceedings/Conference	Geospatial Approach for Landslide Activity Assessment and Mapping Based on Vegetation Anomalies	2018	M. R. Mohd Salleh, M. Z. Abdul Rahman, M. F. Abdul Khanan , Z. Ismail, K. A. Razak, N. I. Ishak, M. A. Asmadi
29	Indexed Proceedings/Conference	Mapping Potential Habitats for Arthropod Vectors of Trypanosomiasis Infection in Northern Nigeria: An Introductory Synthesis	2018	H. A. Umar, M. F. Abdul Khanan , A. Abdul Rahman, A. Ahmad, M. R. Mohd Salleh, D. A. Umar, M. S. Shiru, M. Ismail, O. Austin
30	Indexed Proceedings/Conference	Land Use/Land Cover Mapping for Conservation of Unesco Global Geopark Using Object and Pixel-Based Approaches	2018	M. K. Abdullah Halim, A. Ahmad, M. F. Abdul Khanan , M. Z. Abdul Rahman, Z. Mat Amin, I. A. Musliman, D. S. M. Ishak

31	Indexed Proceedings/Conference	Voters Perception Towards Political Party: A Geospatial Case Study of Young Voters in Johor Bahru	2018	N. Ismail, M. F. Abdul Khanan , M. Z. Abdul Rahman, A. H. Md Din, Z. Ismail
32	Indexed Proceedings/Conference	Vulnerability Mapping and Analysis: An Implementation in Geohazard Areas in Sabah	2018	M. R. Mohd Salleh, M. Z. Abdul Rahman, Z. Ismail, M. F. Abdul Khanan
33	Indexed Proceedings/Conference	Assimilating Geospatial Metamodel and Inventory Mapping for Non-Structural Mitigation of Landslide	2018	N. S. Nasir, M. F. Abdul Khanan , S. H. Othman, M. Z. Abdul Rahman, K. A. Razak, M. R. Mohd Salleh, H. A. Umar, A. N. Abdul Razak
34	Classified/Technical/Expert Report	Community-Based Disaster Informatics for Building Resilient Cities	2018	K. A. Razak, R. A. Dziyuddin, N. Ahmad, R. Che Hassan, K. H. Kamarudin, S. H. Othman, L. Abdul Latiff, M. Z. Abdul Rahman, M. F. Abdul Khanan , M. F. Sardi, A. F. Mohd Yusof, N. A. Mohd Kamal, R. Abu Bakar, N. Mohd Kamal
35	Classified/Technical/Expert Report	Quantification Of Sea Level Trend and Future Projection of Sea Level Up to Year 2100 Using Multi-Mission Satellite Altimeter Over Malaysian Seas	2018	A. H. Md Din, K. Mohd Omar, M. F. Abdul Khanan , N. H. Idris, M. F. Pa'suya
36	Non- Indexed Proceedings/Conference	Spatial-Temporal Analysis of PM10 in Southern Peninsular Malaysia	2018	M. S. Mohamad Khir, N. Hussein, K. Muda, M. F. Abdul Khanan , M. N. Othman,
37	Book Chapter	Interactive Geospatial Application for Tourism and Recreation at Universiti Teknologi Malaysia	2017	M. F. Abdul Khanan , N. A. Mohd Hakim, N. A. Saifuddin, F. S. Abdul Mujis
38	Non- Indexed Proceedings/Conference	Land Cover Mapping of Langkawi Geopark Using Object-Based and Pixel-Based Classification Approaches	2017	M. K. Abdullah Halim, A. Ahmad, M. F. Abdul Khanan , I. A. Musliman, W. H. Wan Kadir, Z. Mat Amin, M. Z. Abdul Rahman, M. H. Jamal, M. M. Ahmad Zabidi, N. Mohd Suaib, R. Dollah@Md. Zain
39	Non- Indexed Proceedings/Conference	Assessment Of Mangrove Habitat and River Shoreline Erosion Based on Sea Level Rise and Unmanned Aerial Vehicle System	2017	H. Mohd Suhaimi, A. Ahmad, M. F. Abdul Khanan , I. A. Musliman, W. H. Wan Kadir, Z. Mat Amin, M. Z. Abdul Rahman, M. H. Jamal, M. M. Ahmad Zabidi, N. Mohd Suaib, R. Dollah@Md. Zain

40	Non- Indexed Proceedings/Conference	Mapping Mangrove Forest in Kilim Geoforest Park Using Remote Sensing Technique	2017	M. K. Abdullah Halim, A. Ahmad, M. F. Abdul Khanan , I. A. Musliman, W. H. Wan Kadir, Z. Mat Amin, M. Z. Abdul Rahman, M. H. Jamal, M. M. Ahmad Zabidi, N. Mohd Suaib, R. Dollah@Md. Zain
41	Non- Indexed Proceedings/Conference	Riverbank Erosion Mapping Using High Resolution Satellite Image and Unmanned Aerial Vehicle (UAV) Approach	2017	N. Mohamad, M. F. Abdul Khanan , A. Ahmad, I. A. Musliman, W. H. Wan Kadir, Z. Mat Amin, M. Z. Abdul Rahman, M. H. Jamal, M. M. Ahmad Zabidi, N. Mohd Suaib, R. Dollah@Md. Zain
42	Non- Indexed Proceedings/Conference	Riverbank Erosion Mapping Using Remote Sensing Data and Unmanned Aerial Vehicle System	2017	N. Mohamad, M. F. Abdul Khanan , A. Ahmad, I. A. Musliman, W. H. Wan Kadir, Z. Mat Amin, M. Z. Abdul Rahman, M. H. Jamal, M. M. Ahmad Zabidi, N. Mohd Suaib, R. Dollah@Md. Zain
43	Classified/Technical/ Expert Report	Landslide Susceptibility Mapping and Analysis	2017	K. A. Razak, R. Che Hassan, M. Z. Abdul Rahman, M. F. Abdul Khanan
44	Classified/Technical/ Expert Report	Landslide Causal Factor Maps Report (Kota Kinabalu And Kundasang)	2017	K. A. Razak, R. Che Hassan, M. Z. Abdul Rahman, M. F. Abdul Khanan
45	Classified/Technical/ Expert Report	Landslide Risk Mapping and Analysis	2017	K. A. Razak, R. Che Hassan, M. Z. Abdul Rahman, M. F. Abdul Khanan
46	Classified/Technical/ Expert Report	Landslide Inventory Mapping and Analysis	2017	K. A. Razak, R. Che Hassan, M. Z. Abdul Rahman, M. F. Abdul Khanan
47	Policy Paper	Pelan Induk Pembangunan Geospasial Negeri Perak (2017-2021)	2017	M. N. Said, M. Z. Abdul Rahman, M. F. Abdul Khanan , M. I. Hassan, I. A. Musliman, W. H. Wan Kadir, S. Amerudin, M. Z. Tarmidi, M. G. Hashim, Z. Ismail, M. R. Mohd Salleh, S. F. Maruti@Ezani
48	Policy Paper	Laporan Akhir Kajian Pelan Induk Pembangunan Geospasial Negeri Perak (2017-2021)	2017	M. N. Said, M. Z. Abdul Rahman, M. F. Abdul Khanan , M. I. Hassan, I. A. Musliman, W. H. Wan Kadir, S. Amerudin, M. Z. Tarmidi, M. G. Hashim, Z. Ismail, M. R. Mohd Salleh, S. F. Maruti@Ezani

49	Indexed Proceedings/Conference	Evaluating Error of Lidar Derived DEM Interpolation for Vegetation Area	2016	Z. Ismail, M. F. Abdul Khanan , F. Z. Omar, M. Z. Abdul Rahman, M. R. Mohd Salleh
50	Indexed Proceedings/Conference	Open-Source Digital Elevation Model (DEMs) Evaluation with Gps and Lidar Data	2016	N. F. Khalid, A. H. Md Din, K. Mohd Omar, M. F. Abdul Khanan , A. H. Omar, A. I Abdul Hamid, M. F. Pa'suya
51	Classified/Technical/Expert Report	Laporan Bahagian 1 Kajian Pelan Induk Geospatial Negeri Perak 2017-2021	2016	M. N. Said, M. Z. Abdul Rahman, M. F. Abdul Khanan , M. I. Hassan, I. A. Musliman, W. H. Wan Kadir, S. Amerudin, M. Z. Tarmidi, M. G. Hashim, M. R. Mohd Salleh, S. F. Maruti@Ezani
52	Classified/Technical/Expert Report	Laporan Kemajuan Kajian Pelan Induk Geospatial Negeri Perak 2017-2021	2016	M. N. Said, M. Z. Abdul Rahman, M. F. Abdul Khanan , M. I. Hassan, I. A. Musliman, W. H. Wan Kadir, S. Amerudin, M. Z. Tarmidi, M. G. Hashim, M. R. Mohd Salleh, S. F. Maruti@Ezani
53	Classified/Technical/Expert Report	Pelan Induk Pembangunan Geospatial Negeri Perak 2017-2021 (Laporan Interim)	2016	M. N. Said, M. Z. Abdul Rahman, M. F. Abdul Khanan , M. I. Hassan, I. A. Musliman, W. H. Wan Kadir, S. Amerudin, M. Z. Tarmidi, M. G. Hashim, M. R. Mohd Salleh, S. F. Maruti@Ezani
54	Non- Indexed Proceedings/Conference	Human Resource Inventory of Geomatic Graduates-A Case Study of Universiti Teknologi Malaysia	2015	M. F. Abdul Khanan , T. L. Choon, M. H. Yahya, A. H. Md Din, K. Mohd Omar
55	Academic And Professional Magazine	Kombinasi Tiga Faktor, Punca Utama Banjir: Kajian Saintifik	2015	N. H. Idris, A. H. Md Din, M. H. Yahya, M. Z. Tarmidi, M. F. Abdul Khanan
56	Thesis	Development Of Tour Packages Through Spatio- Temporal Modeling of Tourist Movements	2014	M. F. Abdul Khanan
57	Book Chapter	Individual Differences In The Tourist Wayfinding Decision-Making Process: A Case Study Of Phillip Island, Victoria, Australia	2012	M. F. Abdul Khanan , J. Xia, R. Inbakaran
58	Indexed Proceedings/Conference	Individual Differences In The Tourist Wayfinding Decision Making Process	2010	M. F. Abdul Khanan , J. Xia
59	Thesis	Individual Differences In The Tourist Wayfinding Decision Making Process	2010	M. F. Abdul Khanan

60	Thesis	Cost-Benefit Analysis For The Implementation Of Enterprise Geographical Information System For Majlis Perbandaran Batu Pahat	2006	M. F. Abdul Khanan
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PLENARY/CHAIRPERSON/ORAL POSTER PRESENTER/KEYNOTE ADDRESS / INVITED GUEST SPEAKER

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1	Oral Poster Presenter	25 th Industrial Art and Technology Exhibition (INATEX 2023)	2023	UTM Hotel and Residences, Kuala Lumpur
2	Chairperson	The Challenges of IR4.0: Digitalisation and Geospatial Technology as a Catalyst for Food Security	2023	Ipoh, Perak
3	Invited Guest Speaker	Webinar Technology Update: Geospatial in Pandemic Era	2021	Online
4	Invited Guest Speaker	UTHM QGIS Course	2020	UTHM
5	Invited Guest Speaker	Matriculation Education Career Exhibition	2019	Kolej Matrikulasi Pontian
6	Invited Guest Speaker	Professional Talk on Disaster Management	2019	Politeknik Merlimau

PROFESSIONAL SERVICES

Consultation and Training

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1	Speaker	Kursus Pendek Pengenalan kepada GIS bagi Staf Majlis Perbandaran Kulai (MPKu)	2022	UTM	25000
2	Facilitator	Program Marin Geospatial dan Kartografi Kategori B FIG/IHO/ICA – Pusat Hidrografi Nasional Malaysia	2022	UTM	100000
3	Speaker	Introduction to GIS Using QGIS Workshop	2022	UTM	3000
4	Facilitator	Program Marin Geospatial dan Kartografi Kategori B FIG/IHO/ICA – Pusat Hidrografi Nasional Malaysia	2021	UTM	100000
5	Speaker	GIS Short Course for Ranhill SAJ	2021	Johor	10000
6	Speaker	Short Course on Geospatial Technologies on Marine Navigation	2021	Sarawak	19800
7	Speaker	Kursus Webinar Spatial Statistik untuk Malaysian Space Agency (MYSA)	2021	UTM	26800
8	Facilitator	Program Marin Geospatial dan Kartografi Kategori B FIG/IHO/ICA	2020	UTM	150000

9	Facilitator	Mobile Asset Mapping Workshop for TNB Series 6 – 8	2020	UTM	53000
10	Facilitator	Mobile Asset Mapping Workshop for TNB Series 4 and 5	2020	UTM	53000
11	Facilitator	Mobile Asset Mapping Workshop for TNB Series 2 and 3	2020	UTM	53000
12	Facilitator	Focus Group Discussion (FGD) on Guidelines for Landslide Vulnerability Assessment and Development of Risk Index for Critical Infrastructure in Malaysia	2018	UKM	40000
13	Facilitator	Program Marin Geospasial dan Kartografi Kategori B FIG/IHO/ICA	2017	UTM	100000
14	Speaker	Introduction to Statistics Structured Course	2017	UTM	300
15	Facilitator	Perak Geospasial Master Plan Workshop	2016	Perak	350000
16	Facilitator	Seminar and Stakeholder Meeting on the Review of National Slope Master Plan	2016	UTMKL	10000
17	Facilitator	Introduction to Statistics Postgraduate Course	2016	UTM	300

Entrepreneurship

NO	SPIN OFF COMPANY (UTM)	TOTAL INCOME GENERATED (RM) (individual equity value based on audited company account in 3 years)

NO	1.HICOE management/agency 2. Board of Director or 3. Management for Corporation EntitE	Average acquisition in 3 years.

Community Project

NO	ROLE	NAME OF PROJECT	DATE	TOTAL VALUE OF PROJECT (RM)
1	Member	Program Latihan Simulasi Kejadian Bencana Tanah Runtuh di Taman Idaman, Serendah, Selangor: CPX – Idaman 2018	2018	10000

Community and University Services

NO	ROLE	TITLE OF PROGRAMME	DATE	LEVEL	LOCATION
1	Chairman	Geofest 2016	2016	National	UTMJB
2	Member	Transformasi Teknologi Geospasial Merentasi Komuniti 2016	2016	National	UTMJB

Endowment and Wakaf to University

NO	NAME OF ENDOWMENT AND WAKAF	TOTAL CONTRIBUTION (RM)
1	Tabung Bantuan Khas Norhidayu Ismail	50

Commercialisation

NO	ROLE	NAME OF PRODUCT COMMERCIALISATION	DATE	TOTAL INCOME GENERATED (RM)

Grant based on innovation and University Commercialisation Product

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT(UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO

Patent Granted and Filing

NO	NAME OF PATENT	STATUS OF PATENT

Copyright

NO	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	ROLE
1	GeoSpatial Radicalism Prediction Model (GeoRADEM) for predicting potential radicalism incidents in Peninsular Malaysia	Verified	Leader
2	Conceive-Design-Implement-Operate framework for Geographic Information System Survey Camp	Approved	Member

3	Integrative Analysis of The Vulnerability of Coastal Inundation Under The Sea Level Rise Scenario Over Malaysia East Coast	Approved	Member
4	Borang Soal Selidik Tahap Kematangan Penggunaan GIS	Recommended	Member