



## CURRICULUM VITAE



### PERSONAL DETAILS

Name : Rini Asnida binti Abdullah

Gender : Female

Date of Birth : 12<sup>th</sup> November 1978

Nationality : Malaysian

Marital Status : Married

Address : 49, Jalan Flora 1/4, Taman Pulai Flora, 81300, Johor Bahru, Johor, Malaysia

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ID Staff : 9287

Expertise : Rock and Geotechnical Engineering, Tunnelling, Numerical Modelling

## ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1	Ph.D.	Rock Mechanics	The University of Leeds, United Kingdom	2007	2012
2	M.Eng.	Civil-Geotechnics	Universiti Teknologi Malaysia	2005	2006
3	B. Eng.	Civil	Universiti Teknologi Malaysia	1996	2001

## AWARD AND HONORS RECEIVED

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	Anugerah Perkhidmatan Cemerlang, Fakulti Kejuruteraan, UTM	UTM	2019
2	Anugerah Perundingan. Majlis Anugerah Kualiti, Sekolah Kejuruteraan Awam, Fakulti Kejuruteraan, UTM	UTM	2019
3	Scientific & Technological Research Council of Turkey (TUBITAK): Scholarship for Visiting Scientist	INTERNATIONAL	2019
4	Penghargaan Webometric, Fakulti Kejuruteraan Awam, UTM	UTM	2017
5	Anugerah Perkhidmatan Cemerlang, Citra Karisma, UTM	UTM	2016
6	Innovative Paper Award during Asian Rock Mechanics Symposium (ARMS9), Bali	INTERNATIONAL	2016
7	Anugerah Khas Fakulti, Fakulti Kejuruteraan Awam, UTM	UTM	2016
8	Penghargaan Pengajaran, Fakulti Kejuruteraan Awam, UTM	UTM	2016
9	Winner Scholarship B for Asian Rock Mechanics Symposium (ARMS8), Sapporo	INTERNATIONAL	2014
10	Student and Young Scholar at Asian Rock Mechanics Symposium (ARMS7), Seoul	INTERNATIONAL	2012
11	Royal Engineers Association, United Kingdom (RAE Travel Fund)	INTERNATIONAL	2010

## PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

NO	NAME OF PROFESIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	Board of Engineers Malaysia, BEM (Reg. no.:PE18999)	NATIONAL	Professional Engineer	2018
2	Malaysia Board of Technologist	NATIONAL	Professional Technologist	2018
3	The Institution of Engineers, Malaysia (Reg. no.: M74452)	NATIONAL	Corporate Member	2018
4	Society for Engineering Geology and Rock Mechanics Malaysia	NATIONAL	General Secretary	2016
5	Tunnelling and Underground Space Technical Division, IEM	NATIONAL	Technical Committee	2015
6	Geological Society of Malaysia (GSM)	NATIONAL	Associate Member	2012
7	International Association for Engineering Geology and the Environment (IAEG)	INTERNATIONAL	Member	2016
8	Society for Rock Mechanics and Engineering Geology Singapore (SRMEG)	INTERNATIONAL	Member	2014
9	International Society for Rock Mechanics (ISRM)	INTERNATIONAL	Member	2012

## ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT
1	Manager, Academic Leadership & Professional Development, UTMLead, UTM	2018	Present	UNIVERSITY
2	Deputy Chairman, GEOTOPIKA – ICHITRA Conference, School of Civil Engineering, Faculty of Engineering, UTM	2019	Present	FACULTY
3	Course Coordinator Tunnel Engineering (MKAJ1113)	2018	Present	FACULTY
4	Treasurer, GEOTOPIKA – ICHITRA Conference, Faculty of Civil Engineering, UTM	2017	2018	FACULTY
5	Sponsorship Task Force for Civil Engineering Alumni Dinner (UTM-CEAD)	2017	2018	FACULTY
6	Deputy Chairman, Seminar Pasca Graduat Kejuruteraan Awam (SEPKA 2016), Faculty of Civil Engineering, UTM	2016	2016	FACULTY
7	Secretary, Seminar Pasca Graduat Kejuruteraan Awam (SEPKA 2014)	2013	2013	FACULTY
8	Judge for 3 Minutes Thesis Competition (3MT)	2013	2013	FACULTY
9	Technical committee for GEOCON 2013	2013	2013	FACULTY
10	Course Coordinator Geology and Rock Mechanics (SKAA 2712)	2012	Present	FACULTY

11	Course Coordinator Advanced Rock Engineering (SKAA4723/MKAJ1073)	2012	Present	FACULTY
12	Program Coordinator, Post Graduate Study (Geotechnics), Faculty of Civil Engineering, UTM	2012	2016	FACULTY
13	Technical committee for Anugerah Kualiti FKA	2012	2014	FACULTY
14	Global player task force for Faculty of Civil Engineering	2012	2014	FACULTY

## WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Senior lecturer	June 2006	Present	Department of Geotechnics & Transportation School of Civil Engineering Faculty of Engineering Universiti Teknologi Malaysia
2	Lecturer	June 2006	Oct 2012	Department of Geotechnics & Transportation Faculty of Civil Engineering Universiti Teknologi Malaysia
3	Tutor	June 2003	June 2006	Department of Geotechnics & Transportation Faculty of Civil Engineering Universiti Teknologi Malaysia
4	Civil Engineer (Industrial Internship Programme)	Feb 2017	Jan 2018	GJ Runding Sdn Bhd Johor Bahru, Johor
5	Design Engineer	Sept 2002	June 2003	Cawangan Kejuruteraan Maritim Jabatan Kerja Raya Malaysia Kuala Lumpur
6	Design Engineer	March 2001	Aug 2002	Bridge Department Minconsult Sdn Bhd Petaling Jaya, Selangor

## CONSULTANCY EXPERIENCE

NO	NAME OF CONSULTANCY	ROLE	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Kursus Pendek 'Rock Engineering Course : Rock Testing, Classification And Slope Analysis', Edgenta Environmental & Material Testing Sdn Bhd	<i>Project Leader</i>	6,600.00	2020	2020	VOT 1600
2	North South Expressway – Structural Asesment for Meru & Menora Tunnels and Principle Investigation at Penang Bridge and Selected Bridges Along North-South Expressway, North South Expressway Central Link	<i>Project Leader</i>	30,000.00	2019	2019	VOT 1409

	and Malaysia Singapore Second Crossing. Client: PLUS.					
3	Soil Investigation Works For Baleh Hydroelectric Project, , Geospec Testing Sdn. Bhd.	<b>Project Leader</b>	10,550.00	2019	2019	VOT 1721
4	Kajian Penyelidikan Kestabilan Cerun Batuan di Bukit Ayam. Client: Jabatan Kerja Raya.	<b>Project Leader</b>	17,465.00	2019	2019	VOT 1573
5	North-South Expressway Permanent Stabilization Work for Rock Slope at KM 258.17 Southbound, Section C5 and Bukit Lanjan, Section C4.	<b>Project Leader</b>	20,000.00	2018	2018	VOT 1352
6	Pemantauan cerun dan pemasangan peralatan pemantauan gegaran di Logi Rawatan Air Gunung Pulai. Client: Badan Kawal Selian Air Johor (BAKAJ)	<b>Member</b>	457,496.00	2018	2018	VOT 1279
7	Kajian semula geologi, geoteknik dan hidraulogi di persekitaran tadahan Sungai Air Hitam Besar, Gunung Pulai, Kulai Jaya. Client: Jabatan Perhutanan Malaysia.	<b>Member</b>	29,000.00	2016	2016	VOT 951

## NATIONAL APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Society for Engineering Rock Mechanics and Engineering Geology Malaysia (ISRM Malaysia National Group)	Secretary General	2016	Present
2	Tunnelling and Underground Space Engineering Technical Division, IEM	Technical Committee	2015	Present

## INTERNATIONAL APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Malaysia-Indonesia Rock Engineering Symposium (MIREs 2020)	Secretary	2020	Present
2	World Tunnelling Conference (WTC), Kuala Lumpur	Technical Committee	2019	Present
3	Asian Rock Mechanics Symposium, Indonesia	Technical Committee	2016	2016
4	International Society for Rock Mechanics and Rock Engineering (ISRM)	Malaysia Representative	2016	Present
5	Journal of Geotechnical Engineering, International Association of Scientific, Technical & Medical Publishers (STM)	Editorial Board	2012	Present

## SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
1	<b>Keynote Speaker:</b> Application of Technologies for Better Slope Assessment. International Symposium on Chemical & Mineral Resource Engineering (ISCMRE '19).	Islamabad, Pakistan	September 2019	September 2019
2	<b>Keynote Speaker:</b> Geomechanics: Its emergence, Application and Future in Malaysia. International Forum on Research, Global and Borderless Activities.	Kagoshima, Japan.	May 2017	May 2017
3	<b>Invited Speaker:</b> 2-Day Rock Engineering Course: Classification, testing and analysis for UEM EDGENTA	UEM EDGENTA	November 2019	November 2019
4	<b>Invited Speaker:</b> Rock Testing for Pusat Kecemerlangan Kejuruteraan dan Teknologi JKR (CREaTE)	JKR CREaTE.	August 2019	August 2019
5	<b>Invited Speaker:</b> SEGRM International Short Course Series: Rock Slope Engineering	Kuala Lumpur	August 2019	August 2019
6	<b>Invited Speaker:</b> IEM 2-Day Practical Short Course in Tunnels and Underground Space (PSCTUS2019),	Kuala Lumpur	July 2019	July 2019
7	<b>Invited Speaker:</b> Rock Slope Engineering - UiTM	Pasir Gudang, Johor	May 2019	May 2019
8	<b>Invited Speaker:</b> Bengkel Pemantapan Rekabentuk Pembaikan Cerun, JKR	Sabah	May 2018	May 2018
9	<b>Invited Speaker:</b> Modelling Issue in Rock Slope. 2 <sup>nd</sup> SEGRM AGM	UTM KL	April 2018	April 2018
10	<b>Invited Speaker:</b> Dynamic Slope Stability Analysis During Sabah Earthquake	National Institute of Technology, Kagoshima College, Japan	March 2018	March 2018
11	<b>Invited Speaker:</b> Seminar on Geotechnical Engineering. JKR CREaTE.	JKR CREaTE.	Oktober 2017	Oktober 2017
12	<b>Invited Speaker:</b> Women, Work and Life Balance.	National Institute of Technology, Kagoshima College, Japan	March 2017	March 2017
13	<b>Invited Speaker:</b> Rock Mass Classification - UiTM	Pasir Gudang, Johor	February 2017	February 2017
14	<b>Invited Speaker:</b> Half-Day Semiar on Rock Mass Classification & Site Application for Tunneling -Institution of Engineers Malaysia (IEM)	Selangor	September 2016	September 2016
15	<b>Visiting Scholar:</b> Department of Mining Engineering, Faculty of Engineering, Middle East Technical University	Ankara, Turkey	April 2019	May 2019

## RESEARCH ACTIVITIES

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	CRG 20.3 Video Based Image Risk Analysis for Tunnel Lining and Tunnel Safety. Collaborative Research Grant	<i>Principle investigator</i>	National Grant	Collaborative Research Grant	20,000.00	2019	2021	R.J130000.7316.4B431
2	3-Dimensional characterization of slope failure mechanism due to climate change	<i>Principle investigator</i>	Internal Grant	UTMFR	70,000.00	2020	2023	Q.J130000.2516.20H90
3	Quarry blast model for rock fragmentation	<i>Principle investigator</i>	Internal Grant	GUP Tier 1	49,500.00	2018	2020	Q.J130000.2522.19H81
4	Development of forepoling design for tunnel construction.	<i>Principle investigator</i>	Internal Grant	GUP Tier 1	40,000.00	2016	2018	Q.J130000.2522.15H35
5	Reliability of tensile strength from diametrical compression test.	<i>Principle investigator</i>	Internal Grant	GUP Tier 2	20,000.00	2015	2016	Q.J130000.2622.11J06
6	Axially loaded bored piles in problematic karstic limestones areas.	<i>Principle investigator</i>	Internal Grant	GUP Tier 1	48,650.00	2015	2016	Q.J130000.2522.10H03
7	Development of stability chart for rock slope assessment	<i>Principle investigator</i>	Internal Grant	PAS Grant	20,000.00	2013	2014	Q.J130000.2722.00K37
8	Reliability of tensile strength obtained from diametrical compression test on rock	<i>Principle investigator</i>	Networking Grant		20,00.00	2015	2016	S.J130000.7622.4X126
9	Rock slope monitoring and surveillance using terrestrial laser scanning (TLS) and global positioning systems (GPS)	<b>Member/ Collaborator</b>	Contract Research DTD	Contract Research DTD Grant	176,841.25	2019	2020	R.J130000.7651.4C253
10	Development of a comprehensive model for rock slope monitoring using infra-red thermal remote sensing on UAV platform	<b>Member/ Collaborator</b>	Contract Research DTD	Contract Research DTD Grant	176,841.25	2019	2020	R.J130000.7652.4C255
11	Crack Detection On Retaining Wall By Using Thermal Camera And Image Processing Technique	<b>Member/ Collaborator</b>	Industrial-International Incentive Grant		20,00.00	2019		Q.J130000.3051.01M64
12	CRG 20.0: Real Time Tunnel Lining Structural Health Monitoring (SHM) System.	<b>Member/ Collaborator</b>	National Grant	CRG	100,000.00	2019	2022	Q.J130000.2409.08G17

13	CRG 20.1: Defects and Damages Identification of Tunnel Lining By Visual Inspection and Non-Destructive Evaluation (NDE)	<b>Member/ Collaborator</b>	National Grant	CRG	40,000.00	2019	2022	Q.J130000.2409 .08G18
14	CRG 20.4 Structural Health Monitoring (SHM) System In Tunnel Lining.	<b>Member/ Collaborator</b>	National Grant	CRG	20,000.00	2019	2021	R.J130000.7351 .4B444
15	Safety Concern Related to Consumer Products Containing Radioactive Materials in Malaysia.	<b>Member/ Collaborator</b>	National Grant	UTMHR	100,000.00	2020	2023	Q.J130000.2417 .09G08
16	Menaiktaraf Fasiliti Asas bagi Meningkatkan Kehidupan dan Ekonomi Asnaf	<b>Member/ Collaborator</b>	Networking Grant	Networking Grant	11,986.00	2017		S.J130000.7322. 4X283
17	SGSHINE 3.0: Correlation between radon/thoron concentrations with commercially available used building materials.	<b>Member/ Collaborator</b>	Signature Grant	Signature Grant	160,000.00	2019	2021	Q.J130000.2417 .07G82
18	SGSHINE 3.2: Predicting Terrestrial Gamma Dose Rate Based on Geological and Soil Information.	<b>Member/ Collaborator</b>	Signature Grant	Signature Grant	40,000.00	2019	2021	Q.J130000.2451 .07G85
19	Prediction of RQD using fuzzy logic algorithm with rock geophysics.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 2	20,000.00	2019	2022	Q.J130000.2651 .16J25
20	Jack Forces Mechanisms in Soft Ground Tunnel Lining	<b>Member /Collaborator</b>	Internal Grant	UTMER	30,000.00	2019	2022	Q.J130000.2651 .17J59
21	Assessment on reduced thickness of tunnel lining to ensure tunnel stability in soft ground.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 2	20,000.00	2017	2018	Q.J130000.2622 .14J16
22	Accident predictive model for Malaysia rural road.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 1	40,000.00	2017	2019	Q.J130000.2522 .17H71
23	Assessment of soil fabric and partial saturation effect on compressibility behaviour of compacted tropical residual soil.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 1	40,000.00	2016	2018	Q.J130000.2522 .14H29
24	Evaluation of Stress Distribution under Diametrical Compression Test On Rock.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 1	50,000.00	2015	2016	Q.J130000.2522 .10H88
25	New link-element design for increase in ductility of battened-up columns for earthquake resistant structures.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 1	39,800.00	2017	2019	Q.J130000.2522 .17H80



26	Shear wave velocity investigation for geotechnical engineering applications using seismic refraction and multi-channel analysis of surface waves.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 2	20,000.00	2018	2019	Q.J130000.2622 .15J26
27	Crack Detection on Retaining Wall by Using Thermal Camera and Image Processing Technique.	<b>Member/ Collaborator</b>	Internal Grant	IIIG.	20,000.00	2019	2021	Q.J130000.3051 .01M64
28	Vulnerability and Risk Assessment for Transport Infrastructure.	<b>Member/ Collaborator</b>	Internal Grant	UTMFR	72,000.00	2020	2023	Q.J130000.2551 .21H41
29	Determination of Sustainable Practice Using Machine Learning and Shear Wave Velocity Method for Road Design and Maintenance.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 2	30,000.00	2019	2021	R.J130000.2651 .17J87.
30	Performance of Lime-Treated Compacted Tropical Residual Soil Under Wetting-Drying Cycles on Hydro-Compressibility Behaviour.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 1	50,000.00	2018	2021	Q.J130000.2522 .20H06
31	Static and Cyclic Properties of Soft Clay Stabilised with Coal Ash And Cement.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 1	50,000.00	2018	2020	Q.J130000.2522 .19H57
32	Effect of suction on shear strength of unsaturated soil.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 1	40,000.00	2017	2018	Q.J130000.2510 .17H89.
33	Application Of Polythiophene Nanocomposite Coated Sand For Removal Of Pb(Ii) And Cu(Ii) Contaminated Water.	<b>Member/ Collaborator</b>	Internal Grant	GUP Tier 1	20,000.00	2014	2015	Q.J130000.2522 .08H06
34	Mechanisms of Kaolin Stabilisation by Utilising Sustainable Material for Carbonation Reduction	<b>Member/ Collaborator</b>	External Grant	FRGS	77,700	2019	2021	R.J130000.7851 .5F197
35	Dynamic Behavior of Retrofitted Column with Reinforced Concrete Jacketing using Inoxydable Steel	<b>Member/ Collaborator</b>	External Grant	FRGS	106,000	2015	2017	R.J130000.7822 .4F716
36	Development of a Preliminary Design Chart for Practical Use for the Deep Mixing Method.	<b>Member/ Collaborator</b>	External Grant	SF	146,000	2011	2014	R.J130000.7922 .4S051

## COLLABORATION / MOU

NO	NAME OF MOU	LEVEL OF MOU (NATIONAL/INTERNATIONAL)	STARTING DATE	ENDING DATE
1	LoC with Chongqing University, China	INTERNATIONAL	2020	2025
2	LoC with The Ryukyus University, Japan	INTERNATIONAL	2019	2024
3	MoU with National Institute Technology, Japan	INTERNATIONAL	2016	2021

## TEACHING ACTIVITIES

### UNDERGRADUATE

YEAR OF SEMESTER	SEMESTER (1/2)	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
2012- 2013	1&2	SKAA 1012	Fundamentals Engineering	16	01-04
2012-2016	1&2	SKAA 2012	Engineering Laboratory	10	01
2012-2020	1&2	SKAA 2712	Geology and Rock Mechanics	120	01-03
2012-2020	1&2	SKAA 4743	Advanced Rock Mechanics and Engineering Geology	27	01
2020	1&2	SKAB 4042	Integrated Design Project	2	02

TOTAL CREDIT HOUR **175**

### POSTGRADUATE

YEAR OF SEMESTER	SEMESTER (1/2)	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
2012-2020	1	MKAJ 1073	Engineering Rock Mechanics	24	01
2016-2017	2	MKAJ 1063	Geotechnical Earthquake Engineering	6	01
2018-2020	2	MKAJ 1113	Tunnel Engineering	6	01
2016-2018	1	MJAK1103	Engineering Geology and Environment	9	01

TOTAL CREDIT HOUR **45**

## SUPERVISION

### PHD STUDENTS

#### Ph D (Main Supervisor)

NO	NAME	STATUS (GRADUATED /ONGOING)	TITLE	DATE
1	Muhammad Irfan bin Shahrin	Graduated	Quarry Blast Evaluation System for Rock Fragmentation	Sept 2016 – Oct 2020
2	Tee Bun Pin	Ongoing	Instrumented Bored Pile with Distributed Fibre Optic Sensor (BOTDA) In Problematic Karstic Limestones Areas	Sept 2016 – present
3	Wahid Ali	Ongoing	Performance Evaluation of Q-System in Highly Stressed Jointed Rock Conditions	April 2017 – present
4	Mohd Nur Asmawisham bin Alel	Ongoing	Application of Geophysical Method and Corelation of SPT Value with Resistivity Data	Oct 2017 - present
5	Saiful Islam	Ongoing	Geospatial Approach on Landslide Susceptibility Zonation and Geodesign in Semi-Arid Mountainous Watershed, Saudi Arabia	Aug 2017 – present
6	Rafi Ullah	Ongoing	3D Physical-Numerical Model for Threshold Strain Level in Slope Instability	Feb 2019 – present
7	Muhammad Junaid	Ongoing	Prediction of RQD Using Fuzzy Logic Algorithm of Rock Geophysics	Sept 2019 – present
8	Karthigeyan s/o Al. Ramanathan	Ongoing	Effects Of Tunnel Excavation in Weathered Rocks Beneath Non- Greenfield Surface	Sept 2019 – present
9	Han Xi	Ongoing	Initiation Mechanism And Motion Characteristics of Debris Flow in Gunung Pulai	Feb 2020 – present

## MASTER STUDENTS

### Master by Research (Main Supervisor)

NO	NAME	STATUS (GRADUATED /ONGOING)	TITLE	DATE
1	Sarder Mohammad Yahya	Completed	Analysis of Parameters Affecting Settlement Induced by a Low Overburden Tunnel with Forepoling Pre-support System in Weathered Rock	March 2014 – March 2016
2	Nor Aziah Ishak	Completed	TBM performance of Sungai Buloh Kajang Line 2	Feb 2015 – July 2018
3	Muhammad Junaid	Completed	Effective and Expeditious Multidisciplinary Approach for Feasibility Assessment of Granite Deposit	April 2017 – May 2019
4	Amber Islam	Submitted for examination	Structural Health Assessment of Tunnel Lining	Feb 2018 – present

### Master by Research (Co Supervisor)

NO	NAME	STATUS (GRADUATED /ONGOING)	TITLE	DATE
1	Lim Jee Wen	Completed	Development of a preliminary design chart for practical use for the deep mixing method.	Feb 2014 – 2016
2	Muhammad Fateh Bin Mior Ahmad Ridzuan	Submitted for examination	Settlement, slope and vibration analyses on the water treatment plant structure of	Sept 2017 – present
3	Osama	Submitted for examination	Effects of jacking force interaction to segmental tunnel lining in soft soil	Feb 2017 - present

### Master by Taught Course (Main Supervisor)

NO	NAME	STATUS (GRADUATED /ONGOING)	TITLE	DATE
1	Neesahantani A/P Moganakrisnan	Completed	Correlation Of Uniaxial Compressive Strength Between UCT And Point Load Index of Rock in Klang Valley	Sept 2019 – Feb 2020
2	Nalinii Ravichandran	Completed	Determination of $K$ And $\alpha$ During Controlled Blasting For Karstic Limestone Rocks at Klang Valley	Sept 2019 – Feb 2020
3	Karthigeyan s/o Al. Ramanathan	Completed	Effects of quarry blasting towards the residential area at Kangkar Pulai, Johor	July 2018 – May 2019

4	NorShafiqah	Completed	Correlation between point load strength index and uniaxial compressive strength of granite rock samples	July 2018 – May 2019
5	Rafi Ullah	Completed	Numerical modelling of Forepoles in shallow tunnelling through weathered granite	Sept 2017 – June 2018
6	Dedy Yusufian Shah	Completed	Slope stability analysis of quarry face at Karang Sambung district, Central Java, Indonesia	Feb 2017 – Jan 2018
7	Syed Muhammad Bahthiar Syed Osman	Completed	Fracturing and tensile behaviour of sandstone under Brazilian ring test.	Feb 2017 – Jan 2018
8	Nurul Jannah Verankutty	Completed	Finite element modelling of Brazilian ring test	Sept 2016 – Feb 2017
9	Lee She Zan	Completed	Dynamic slope stability analysis during Sabah earthquake.	Sept 2015 – June 2016
10	Umar Ali Ahmed	Completed	Particle Image Velocity monitoring of crack propagation in Brazillian test	Sept 2015 – June 2016
11	Firas Ahmad Ibrahim	Completed	Numerical simulation of Brazilian test in RS2	Sept 2015 – June 2016
12	Hafedz Zakaria	Completed	Prediction of rock engineering properties using Support Vector Machine	Sept 2015 – June 2016
13	Hisham Ahamad Hanafiah	Completed	Analysis of group pile movement in PLAXIS	Sept 2015 – June 2016
14	Noor Farah Ishak	Completed	Comparison of numerical study in slope stability analysis	Sept 2015 – June 2016
15	Nurihan Mohd Fauzi	Completed	Behaviour of shale under confinement	Sept 2014 – Feb 2015
16	Mohamed Ali Al Bared	Completed	Rock slope stability assessment at Apartment Intan, Cheras	Sept 2014 – Feb 2015
17	Chee Khong Siong	Completed	Comparison on the predicted settlement and actual settlement for ground improved using stone column	Sept 2014 – Feb 2015
18	Teh Zhi Huan	Completed	Performance of prefabricated vertical drain in soft soil using finite element method	Sept 2014 – Feb 2015
19	Lim Eng Soon	Completed	Comparison between RMR and Q-System for support estimation in preliminary design of support system in circular tunnel	Sept 2012 – Jan 2014

## UTM POSTGRADUATE EXAMINATION / VIVA

### MASTER BY RESEARCH

NO	ROLE	NAME OF STUDENT	TITLE	YEAR
1	<i>MSc Internal Examiner</i>	Habibah Hanan binti Mat Yusoff	Landslide Hazards Identification and Characterisation Based on Multisensory Remotely Sensed Data in a Tropical Terrain of Mesilou, Sabah	2016

## EXTERNAL POSTGRADUATE EXAMINATION / VIVA

### PHD

NO	ROLE	NAME OF STUDENT	TITLE	YEAR
1	<i>PhD External Examiner</i>	Hasan Ali Abbas Alhamwi	Anisotropic Behavior and Deformation of Composite Weathered Sandstone and Shale under Destructive and Non-Destructive Stresses	2020

### MASTER BY RESEARCH

NO	ROLE	NAME OF STUDENT	TITLE	YEAR
1	<i>MSc External Examiner</i>	Afiq Farhan bin Abdul Rahim	Penilaian Kestabilan Cerun Bantuan Komprehensif Menggunakan Kaedah Had Keseimbangan (LEM) Pada Kegagalan Jenis Gelongsoran	2020
2	<i>MSc External Examiner</i>	Muhammad Shafiq bin Amran	Correlation Between The Performances Of Microtunnelling Boring Machine (MTBM) with Subsurface Ground Condition	2020
3	<i>MSc External Examiner</i>	Von Woei Chew	Penilaian Geologi Hadapan Muka Terowong Dengan Menggunakan Kaedah Ramalan Seismik Terowong (TSP) dan Sistem Pengesalan Batuan Lebu Raya Jepun.	2019
4	<i>MSc External Examiner</i>	Goh Chin Ong	Evaluation on the Effect of No-Drainage Boundary Condition to the Groundwater Pressure Surrounding the NATM Permanent Gast In-Situ Tunnel Lining	2019
5	<i>MSc External Examiner</i>	Wong Jia Mang	Engineering Geological Characterisation of Sedimentary Rocks in Kuala Kangsar to Parit, Perak	2019
6	<i>MSc External Examiner</i>	Lee Kiun You	Application of geological strength index system for slope stability studies of the crocker formation in Kota Kinabalu, Sabah	2017

## PUBLICATIONS

### SCOPUS INDEX JOURNAL

1. Tsutsumi, Takashi, and **Rini Asnida Abdullah**. 2020. "Boundary Condition Considering Shear Force Applied on Flat Loading Platen for Brazilian Test." *Zairyo/Journal of the Society of Materials Science, Japan*. (PB/2020/00657)
2. Haryati Awang, Ki Il Song and **Rini Asnida Abdullah**, 2019. *Effect of void ratio to the strength parameters of sedimentary rocks*. Bulletin of the Geological Society of Malaysia, Volume 68, December 2019, pp. 147 – 150 (PB/2020/00987)
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## INTELLECTUAL PROPERTIES

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| 2018 | 1. Framework for Crack Settlement and Vibration Monitoring at Water Treatment Plant Reservoir (LY2018005962)   |
|      | 2. Laporan Teknikal Pemantauan Cerun dan Pemasangan Peralatan Pemantauan Gegaran di Loji Rawatan Air (LY2018004894)  |
|      | 3. Self Assessment Report for Self Accreditation: Master of Civil Engineering – Transportation (LY2018006224)  |
| 2017 | 4. Title of innovation: Prototype Early Warning System for Mudflow at Gunung Pulai (IP/ID/2017/0164)   |
|      | 5. Title of innovation: Field Study Report and Standard Operating Procedures Manual for Early Warning System at Hutan Lipur Gunung Pulai 1 (: IP/CR/2017/0158) |
| 2016 | 6. Abstract book 10 <sup>th</sup> International Geotechnical and Transportation Research Conference  |