



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

CURRICULUM VITAE



PERSONAL DETAILS

Name : Nazri bin Ali

Gender : Male

Date of Birth : 8 November 1970

Nationality : Malaysian

Marital Status : Married

Address : Department of Geotechnical and Transportation, Faculty of Civil
Engineering, UTM, 81310, Skudai, Johor DT, Malaysia

Tel : (Mobile) : 0137592970 (Office) : 075531719
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E-mail : nazriali@utm.my

Website : <http://civil.utm.my/nazriali/>

ID Staff : 8203

Expertise : Geotechnical Engineering

ACADEMIC QUALIFICATIONS

- Year 2007 : Ph.D. Geotechnical Engineering
Cardiff University
- Year 2002 : M.Eng. (Civil – Geotechnic)
Universiti Teknologi Malaysia
- Year 1998 : B.Eng. (Hons) (Civil Engineering)
Universiti Teknologi Mara

AWARD AND HONORS RECEIVED

- i. 2010, Service Award, FKA Quality Day, UTM
- ii. 2010, Academic Award, FKA Quality Day, UTM
- iii. 2011, Excellent Service Award, Citra Karisma, UTM
- iv. 2012, AKA Committee Quality Award, FKA Quality Day, UTM
- v. 2012, EAC Committee Quality Award, FKA Quality Day, UTM
- vi. 2012, Excellent Lecturer Award, Embassy of IRAN
- vii. 2013, INATEX Research Award, UTM
- viii. 2014, AKA Committee Quality Award, FKA Quality Day, UTM
- ix. 2015, Excellent Service Award, Citra Karisma, UTM
- x. 2017, INATEX Silver Medal Award, KL

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

- i. Since July 2011,
Board of Engineering Malaysia (BEM), Registration No 71767A
- ii. Since Sept 2010,
Malaysian Society Engineering and Technology (mSET), Membership No
00561

- iii. Since 2017,
Society of Engineering Geology and Rock Mechanics, SEGRM, Membership
No SEGRM1050
- iv. Since 2017,
Member of International Society for Rock Mechanics, ISRM
- v. Since 2017,
Member of International Association for Engineering Geology and Environment,
IAEG

ADMINISTRATIVE EXPERIENCE

- i. Jan 1999 – Dec 1999,
Head of Civil Engineering, Yayasan Pelajaran Johor
- ii. Aug 2010 – Mar 2012,
SPACE Coordinator, Universiti Teknologi Malaysia
- iii. Apr 2012 – Oct 2012,
Head of Graduate Studies, Universiti Teknologi Malaysia
- iv. Nov 2012 – Now,
Manager of Graduate Studies, Universiti Teknologi Malaysia

WORKING EXPERIENCE

- i. Design Engineer, Zencomp Consultant,
Feb 1998 – June 1998
- ii. Civil Engineering Lecturer, Yayasan Pelajaran Johor,
June 1998 – Dec 1999
- iii. Part time Design Engineer, MLA Consultancy,
July 1998 – Dec 1999
- iv. Tutor, Universiti Teknologi Malaysia,
Dec 1999 – June 2002
- v. Lecturer, Universiti Teknologi Malaysia,
June 2002 – Jan 2009
- vi. Senior Lecturer, Universiti Teknologi Malaysia,
Jan 2009 – Aug 2013
- vii. Associate Professor, Universiti Teknologi Malaysia,
Aug 2013 - Now

CONSULTANCY EXPERIENCE

- i. Design Offshore Barge, Zencomp Consultant, KL,
Feb 1998 – June 1998
- ii. Design and Site Supervision PULAREK Project, MLA Consultant, JB,
July 1998 – Dec 1999
- iii. YPJ Development Advisor on Workshop Construction, YPJ, JB,
July 1998 – Oct 1999

- iv. Ibnu Sina slope remedial work, Pejabat Harta Bina, UTM, Ref: utm.
05/11.7/4/13/1 Jld 2(9) RM 25000,
Jan 2008 – Dec 2010
- v. Sri Plentong Slope Remedial Work, Majlis Perbandaran Johor Bahru Tengah
(MPJBT), CTMC, Vot No 69977, RM 17500,
Mar 2009 – Nov 2009
- vi. Design of innovative seawall systems (NAHRIM), UTSB, Vot No 882, RM
19500,
April 2015 – June 2015
- vii. Site Investigation for seawall systems (NAHRIM), UTSB, Vot No 930, RM
30000,
July 2015 – Sept 2015
- viii. Information and data related to Breakwater, UTSB, Vot No 1186, RM 13000,
May 2017 – Oct 2017

SELECTED NATIONAL COMMITTEE

- i. Webmaster for Geotechnical and Transportation Department, FKA, UTM,
12 Aug 2002 – 11 Aug 2004
- ii. Committee of Laboratory Manual (Translate Malay to English), FKA, UTM
Jan 2003 – Oct 2003
- iii. Committee of Bridge Model Competition 2003, UTM,
Nov 2002 – Sept 2003
- iv. Committee of Anugerah Kualiti Naib Canselor (AKNC), UTM,
Jan 2008 – Apr 2008

- v. Committee of Engineering Accreditation Council (EAC), UTM,
Jan 2008 – Nov 2008
- vi. Committee of Self-Assessment Report (SAR) for EAC, FKA, UTM,
Jan 2011 – June 2012
- vii. Head of Committee in preparations of Internal Audit (Anugerah Kualiti Akademik, AKA) for Postgraduate Programme, UTM,
Apr 2012 – May 2013
- viii. Head of Committee in preparations of MQA (Malaysian Qualifications Agency) Audit for Postgraduate Programme, UTM,
Apr 2012 – Now
- ix. Committee of Jawatankuasa Pengurusan (JKP), FKA, UTM,
Apr 2012 – Now
- x. Committee of Jawatankuasa Akademik PascaSiswazah (JKAPG), FKA, UTM,
Apr 2012 – Now
- xi. Committee of Jawatankuasa Akademik PraSiswazah (JKAUG), FKA, UTM,
Apr 2012 – Now
- xii. Committee of Jawatankuasa Akademik Pascasiswazah Universiti (JAPSU),
UTM,
Apr 2012 – Now
- xiii. Internal Auditor, (Anugerah Kualiti Akademik, AKA) for Postgraduate Programme, UTM,
Mar 2013 – Apr 2013
- xiv. Head of Committee in developing of 5 Standard Operating Procedure (SOP) for Postgraduate Programme,
June 2012 – Jan 2013
- xv. Head of Committee in developing of Postgraduate Handbook,

- June 2012 – Feb 2013
- xvi. Head of Committee in preparations of Quality Management Standard ISO 9001 for Postgraduate Programme, UTM,
Jan 2013 – Now
- xvii. Head of Research Methodology SLAB 2010 Coordinator, UTM,
June 2010 – July 2010
- xviii. Head of Research Methodology SLAB 2011 Coordinator, UTM,
June 2011 – July 2011
- xix. Head of Postgraduate Taskforce, UTM,
Jan 2013 – Now
- xx. Head of Committee in SWA Accreditation Postgraduate Programme, FKA, UTM,
Apr 2012 – Now
- xxi. Committee of SWA Accreditation for University, QRIM, UTM,
Apr 2017 – Now

INTERNATIONAL APPOINTMENT COMMITTEE

- i. President of Malaysian Cardiff Association, United Kingdom,
Sept 2004 –Sept 2006
- ii. Committee of International Bridge Model Competition 2009, UTM,
Feb 2009 – Sept 2009
- iii. Committee of International Bridge Model Competition 2012, UTM,
Feb 2012 – Sept 2012
- iv. Head of Technical Committee of GEOTROPIKA International Conferences 2010,
July 2010 – Dec 2010

- v. Deputy Chairman of GEOTROPIKA International Conferences 2016,
Jan 2015 – Mar 2016
- vi. Chairman of 1st ISEED and 11th SEPKA International Conference,
June 2016 – Dec 2016

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

- i. PPD (Pegawai Penilai Dalaman) Course by MLVK (Majlis Latihan Vokasional Kebangsaan), Seri Malaysia Hotel, Johor Bahru,
22 – 23 Oct 1998
- ii. Management for Road Seminar, TETO Engineering, Hotel Grand Continental,
Johor Bahru,
5 – 6 Sept 1998
- iii. Research Methodology Course SLAB, UTM,
18 Apr – 9 May 2000
- iv. Geotechnical and Geo-Environment Numerical Modeling Course, Nanyang
Technology University, Singapore,
15 – 17 May 2000
- v. Multimedia and Website Course, UPM-MTDC, KL,
17 – 19 July 2000
- vi. Pedagogy Workshop, UTM,
25 Sept 2000
- vii. ISO 17025 Workshop for Civil Engineering Testing Unit (CETU), FKA. UTM,
20 – 22 Oct 2000
- viii. Induction Course JPA, UTM,
10 – 25 Nov 2000

- ix. Design of Embedded Retaining Walls Course – New UK CIRIA Guidelines (2002) for economic design, IEM, Petaling Jaya, Selangor, 7 Nov 2002
- x. Numerical Analysis in Geotechnical Engineering Course, JWMarriot Hotel KL, 24 – 26 March 2003
- xi. Teaching Portfolio Course, Riviera Bay Resort Melaka, 9 – 10 May 2003
- xii. FRGS (Fundamental Research Grant Scheme) UTM Workshop, Pulau Spring Resort Johor, May 2008
- xiii. Adult Learning Workshop, UTM, June 2008
- xiv. Green Card CIDB Programme, UTM, 22 July 2009
- xv. EUROCODE Seminar in Geotechnical Engineering Design, UTM, 12 Sept 2012
- xvi. Postgraduate Management Workshop, UTM, 16 Jan 2013
- xvii. Leadership Workshop “Charting a path forward”, UTM, 15 June 2014
- xviii. ISO 9001: 2008 Workshop, UTM, 18 Dec 2014
- xix. ISO 9001: 2008 Workshop, Pulau Spring Resort Johor, 5 Oct 2015
- xx. Panel reviewer for Research & Innovation Festival 2015 (R & I Fest 2015), UTHM,

16– 17 Nov 2015

- xxi. Representative of UTM to participate in AUN/SEED-Net Promotional Visit to CLMV Countries (Cambodia, Myanmar, Vietnam and Laos), Year 2016, 8– 14 September 2016
- xxii. MOOC UTM for Postgraduate Programme Workshop, UTMLead, UTM, Johor Bahru, 10 April 2017
- xxiii. Leadership Course ALR 101: The Academic Leaders, Roles, Responsibilities and Expectations, UTM Lead, UTM, 11 June 2017

RESEARCH ACTIVITIES

HEAD OF PROJECT

- i. FRGS Vot 78353, "Preliminary Analysis of Tree induced suctions on Slope stability." (December 2008 – November 2010). Completed.
RM 85500
- ii. FRGS Vot 78582, "Initial assessment of Vegetative Induced Moisture Migration and Effects on Land Deformations." (May 2010 – April 2012). Completed.
RM 48000
- iii. GUP Vot 00J26 "Three-Dimensional Limit Equilibrium Slope Stability Analysis in Homogeneous Saturated Clay Soil Based On Optimization Techniques." (April 2011 – October 2012). Completed.
RM 40000
- iv. ERGS Vot 4L065 "Patterns of Soil Moisture Profile due to Tree Induced Suction and Relict Structure on Slope."(June 2012 –June 2014). Completed.
RM 50000

- v. GUP Vot 05J85 "Preliminary Assessment of Seasonal Effects on Water Uptake near Trees." (May 2012 – April 2013). Completed.
RM 35000
- vi. GUP Vot 07J00 " The Mechanical and Hydrological Effect of Vegetation on Slope Stabilization." (December 2012 – December 2013). Completed.
RM 29000
- vii. GUP Vot 09H40 " The dynamic role of root water uptake in coupling to shear strength behavior on slope stability." (June 2014 – June 2015). Completed.
RM 20000
- viii. GUP Vot 12J24 " Pattern of Soil Suction and Water Uptake by Grass." (October 2016 – Now). Ongoing.
RM 20000
- ix. GUP Ref No PY/2017/00326 " Effect of suction on shear strength of unsaturated soil." (June 2017 – Now). Ongoing.
RM 40000

MEMBER OF PROJECT

- i. ERGS Vot 4L097, " Assessment of Disturbance Impact of Hydraulic Jack in Pile Penetration in Clay Using Transparent Soil and Particle Image Velocimetry." (June 2013 – May 2015). Completed.
RM 121500
- ii. GUP Vot 01J25, " Modified oedometer for determination of SWCC." (April 2011 – March 2012). Completed.
RM 40000

- iii. GUP Vot 05J93 " Influence of Transport Layer On Water Flow Pattern in Heterogeneous Soil." (May 2012 – Sept 2013). Completed.
RM 35000
- iv. FRGS Vot 4F687, " Control of Turbidity Currents to Reduce Reservoir Sedimentation Using Obstacles." (April 2015 – Dec 2015). Completed.
RM 74700
- v. GUP Vot 11J06 " Reliability of Tensile Strength from Diametrical Compression Test on Rock." (May 2015 – July 2016). Completed.
RM 20000
- vi. GUP Vot 11H04 " Water Flow and Suction Distribution Improvement in A Layered Residual Soil." (Nov 2015 – Now). Ongoing.
RM 50000
- vii. Science Fund Vot 4S124 " Development of slope monitoring system by automatic wireless accelerometer monitoring system." (Oct 2015 – Now). Ongoing.
RM 333440
- viii. FRGS/1/2014/TK02/UNIMAP/03/1, UniMAP, "The Study of Rock Buttress in Landslide Remediation Method in Tropical Area. "(March 2013 – Now). Ongoing.
RM 57000
- ix. FRGS/1/2016/TK01/UTM/02/28 " The Effect of Soil Moisture Content on Shear Strength Behaviour for Rainfall Induced Landslides Prediction. " (August 2016 – Now). Ongoing.
RM 94000
- x. GUP Vot 15H35 " Development of Forepoling Design for Tunnel Construction." (October 2016 – Now). Ongoing.
RM 40000

COLLABORATION / MOU

- i. UTM and NAHRIM Research Collaboration, 1 September 2016
- ii. MOU between UTM and NIT Kagoshima College, Japan, 26 September 2016
- iii. UTM and IKRAM Research Collaboration, 1 May 2017

TEACHING ACTIVITIES

Total Credit Hours: 149 credit

UNDERGRADUATE

Subject	Session	Hours	ePPP
• Soil Lab (SAA3052) Year 3	Sem2 1999/2000	2	
• Soil Lab (SAA2052) Year 2	Sem2 1999/2000	2	
• Soil Lab (SAA3051) Year 3	Sem2 1999/2000	1	
• Soil Mechanic (SAE 2713)	Sem1 2000/2001	3	

• Geotechnics (SAC 3723)	Sem 1 2000/2001	3	
• Soil Lab (SAA3051) Year 3	Sem1 2000/2001	1	
• Information Technology Introduction (SAM1412)	Sem1 2000/2001	2	
• Soil Lab (SAA3051) Year 3	Sem2 2000/2001	1	
• Soil Mechanic (SAA3713)	Sem 2 2000/2001	3	
• Soil Lab (SAA 3052) Year 3	Sem 2 2000/2001	2	
• Soil Mechanic (SAM 2713)	Sem 1 2002/2003	3	
• Soil Lab (SAM3052) Year 3	Sem 1 2002/2003	2	
• Final Year Pre-Project (SAM5062)	Sem 1 2002/2003	2	
• Soil Mechanic (SAM2713)	Sem 2 2002/2003	3	
• Soil Lab (SAM3052) Year 3	Sem 2 2002/2003	2	

• Final Year Pre-Project (SAM5062)	Sem 2 2002/2003	2	
• Final Year Project (SAM 5064)	Sem 2 2002/2003	4	
• Geotechnics (SAM4714)	Sem 1 2003/2004	4	
• Soil Lab (SAM4051) Year 4	Sem 1 2003/2004	1	
• Final Year Project (SAM5064)	Sem 1 2003/2004	4	
• Soil Mechanic (SAB1713)	Sem 1 2007/2008	3	
• Soil Lab (SAB1042)	Sem 1 2007/2008	2	
• Geotechnic 1 (SAB2722) • Sec 2	Sem2 2007/2008	2	4.68 / 5.0
• Geotechnic 1 (SAB2722) Sec 2	Sem1 2008/2009	2	4.71 / 5.0
• Geotechnic 1 (SAB2722) Sec 2	Sem2 2008/2009	2	4.80 / 5.0
• Geotechnic 1 (SAB2722) Sec 2	Sem1 2009/2010	2	4.72 / 5.0

• Geotechnic 1 (SAB2722) Sec 3	Sem2 2009/2010	2	4.62 / 5.0
• Geotechnic 1 (SAB2722) Sec 3	Sem1 2010/2011	2	4.69 / 5.0
• Geotechnic 1 (SAB2722) Sec 2	Sem2 2010/2011	2	4.67 / 5.0
• Geotechnic 1 (SAB2722) Sec 2	Sem1 2011/2012	2	4.57 / 5.0
• Geotechnic 1 (SAB2722) Sec 1	Sem2 2011/2012	2	4.72 / 5.0
• Geotechnic 1(SKAA2722) Sec 1	Sem1 2012/2013	2	4.79 / 5.0
• Geotechnic 1(SKAA2722) Sec 3	Sem2 2012/2013	2	4.50 / 5.0
• Geotechnic 1(SKAA2722) Sec 1	Sem1 2013/2014	2	4.86 / 5.0
• Geotechnic 1(SKAA2722) Sec 2	Sem2 2013/2014	2	4.89 / 5.0
• Geotechnic 1(SKAA2722) Sec 3	Sem1 2014/2015	2	4.55 / 5.0
• Geotechnic 1(SKAA2722) Sec 2	Sem2 2014/2015	2	4.62 / 5.0

• Geotechnic 1(SKAA2722) Sec 2	Sem1 2015/2016	2	4.75 / 5.0
• Geotechnic 1(SKAA2722) Sec 3	Sem2 2015/2016	2	4.78 / 5.0
• Geotechnic 1(SKAA2722) • Sec 2	Sem1 2016/2017	2	4.52 / 5.0

Total Undergraduate Credit Hours: 92 credit

POSTGRADUATE

• Geotechnical Modelling and Instrumentation Techniques (MAW1773) Sec 1	Sem2 2002/2003	3	
• Advanced Geotechnical Engineering Software (MAB4143) Sec1	Sem 1 2008/2009	3	
• Advanced Geotechnical Engineering Software (MAB4143) Sec1	Sem 1 2009/2008	3	
• Advanced Geotechnical Engineering Software (MAJ1053) Sec1	Sem 1 2010/2011	3	

• Unsaturated Soil Mechanics (MAJ1093) Sec1	Sem2 2010/2011	3	4.60 / 5.0
• Advanced Geotechnical Engineering Software (MAJ1053) Sec1	Sem1 2011/2012	3	4.63 / 5.0
• Unsaturated Soil Mechanics (MAJ1093) Sec1	Sem2 2011/2012	3	4.88 / 5.0
• Advanced Geotechnical Engineering Software (MAJ1053) Sec1	Sem1 2012/2013	3	4.38 / 5.0
• Unsaturated Soil Mechanics (MAJ1093) Sec1	Sem2 2012/2013	3	4.50 / 5.0
• Advanced Geotechnical Engineering Software (MAJ1053) Sec1	Sem1 2013/2014	3	4.58 / 5.0
• Unsaturated Soil Mechanics (MAJ1093) Sec1	Sem2 2013/2014	3	4.95 / 5.0
• Advanced Geotechnical Engineering Software (MKAJ1053) Sec1	Sem1 2014/2015	3	4.80 / 5.0
• Unsaturated Soil Mechanics (MKAJ1093) Sec1	Sem2 2014/2015	3	4.56 / 5.0

• Advanced Geotechnical Engineering Software (MKAJ1053) Sec1	Sem1 2015/2016	3	No data (student less than 5)
• Unsaturated Soil Mechanics (MKAJ1093) Sec1	Sem2 2015/2016	3	4.57 / 5.0
• Advanced Geotechnical Engineering Software (MKAJ1053) Sec1	Sem1 2016/2017	3	4.75 / 5.0
• Slope Engineering (MKAJ1043) Sec1	Sem1 2016/2017	3	4.54 / 5.0
• Unsaturated Soil Mechanics (MKAJ1093) Sec1	Sem2 2016/2017	3	
• Slope Engineering (MKAJ1043) Sec1	Sem2 2016/2017	3	

Total Postgraduate Credit Hours: 57 credit

SUPERVISION

PHD STUDENTS

PhD Main Supervisor

No	Name	Title	Durations	Status
1	Mu'azu Mohammed Abdullahi	Tree Induced Moisture Migration and Effects on Land Deformations	June 2008 – June 2010 GOT	Completed (Now Senior Lecturer at Saudi Arabia)
2	Roohollah Kalatehjari	Three Dimensional Slope Stability Analysis based on Limit Equilibrium method by using modified particle swarm optimization	June 2009 – February 2013 GOT	Completed (Now Lecturer at Taiwan)
3	Mohd Fakhrurrazi Ishak	Soil Moisture Profile due to Tree Induced Suction on Slope	June 2010 – Oct 2014	Completed (Now Lecturer at UMP)
4	Ordiah Evans Vans	Coupling of tree water uptake with shear strength behavior on slope stability	January 2013 – Now	On going
5	Ong Choon Kian	A new model development and analysis of soil water uptake due to grass	July 2014 - Now	On going

6	Karen Lee Wei Fun	Optimum utilization of quarry dust as partial replacement of sand in green concrete	25 August 2015 - Now	On going
7	Siti Saidatul Azween Ismail	Moisture flow in unsaturated soils due to capillary hysteresis	8 Sept 2015 - Now	On going
8	Sumathi A/P Subramaniam	Interface stability assessment on composite landfill liners (early stage)	17 August 2016 - Now	On going
9	Shahrizam Mat Salleh	Geothermal Piling in Tropical Country (early stage)	17 August 2016 - Now	On going

PhD Co Supervisor

No	Name	Title	Durations	Status
1	Mehrdad Kholghifard	Collapsibility Behaviors of Compacted Laterite Soil	Sept 2009 – Aug 2014	Completed
2	Ali Dehghan Banadaki	Settlement of Mat Foundation on Group of Cement Columns in Peat – Numerical Analysis	June 2010 – July 2014	Completed
3	Nor Suhada Abd Rashid	Behavior of soil water movement under different growing stages of oil palm tree	Jan 2014 – Now	On going

MASTER STUDENTS

Master by Research Main Supervisor

No	Name	Title	Durations	Status
1	Siti Saidatul Azween Ismail	Soil moisture variation due to grass water uptake	Sept 2013 – June 2015 GOT	Completed

Master by Taugh Programme Main Supervisor

No	Name	Title	Semester	Status
1	Iman Farshchi	Soil-Root Interaction and Effect on Slope Stabilization	Sem1 2009/2010	Completed
2	Amir Hashyim Kamaruddin	Remedial Measures for Slopes Stability Analysis	Sem2 2009/2010	Completed
3	Samaneh Pour Mohammadi	Slope stability and seepage analysis of Earth Dam	Sem2 2009/2010	Completed
4	Wan Mohd Asraff Wan Hanafi	Effect of low and high tide of river on slope stability analysis	Sem2 2009/2010	Completed

5	Salsabila Abd Aziz	Finite Element analysis in bore pile	Sem2 2009/2010	Completed
6	Rozaimi Mohd Noor	Replacement of Pile Foundations with Raft Foundations Design in buildings	Sem2 2009/2010	Completed
7	Mohd Al Jeffrie Juhar	Effect of Seismic Loading in Slope Stability Analysis	Sem1 2010/2011	Completed
8	Mohamed Ridzuan Jahidin	Stability Analysis of Slope along North South Highway using Limit Equilibrium Method	Sem1 2010/2011	Completed
9	Mohd Faiz Mohammad Zaki	Analysis for Soil Nailing and Ground Anchors using Numerical Methods	Sem1 2011/2012	Completed
10	Muhammad Fahmi Johan	Comparative Study of Wall Support System in Deep Excavation and Basement Work	Sem1 2011/2012	Completed

11	Norhayati Abd Wahab @Dul Ahad	Finite Element Method in Slope Stability Analysis	Sem2 2011/2012	Completed
12	Farah Farhana Sulaiman	Soil Suction Profile Due to Tree Water Uptake	Sem2 2011/2012	Completed
13	Izwan Shah Ahmad	Limit Equilibrium Method and Finite Element Method in Slope Stability Analysis	Sem2 2011/2012	Completed
14	Aizat Mohd Taib @ Taib	The Effect of Slope Stability Due to Soil- Root Interaction using Signal Grass and Japanese Millet	Sem2 2011/2012	Completed
15	Nurul Afiza Mohd Nasir	Slope Stability Analysis Due to Tree Induced Suction	Sem2 2011/2012	Completed
16	Nor Hidayah A Rahman @ A Rahim	Design of Mechanically Stabilized Earth (Wall) - Reinforced Earth Wall	Sem1 2012/2013	Completed
17	Zarina Yusof	Numerical simulation of bearing capacity for	Sem2 2012/2013	Completed

		rigid footing on cohesive soil		
18	Amy Natasha Norhuda	Offshore Foundation Integrity: Shallow Gas Mitigation Using Excess Pore Pressure Monitoring Tool	Sem2 2012/2013	Completed
19	Shahrizam Mat Salleh	Comparison between 2D Electrical Resistivity and Conventional borehole for Soil Profiling	Sem2 2012/2013	Completed
20	Chong Hon Yeau	Analysis of Bored Piles in Residual Soil Formation and Prediction of Load Settlement Curve	Sem2 2012/2013	Completed
21	Kuganeswaran Nadarasa	Slope Surface monitoring system using Robotic total station	Sem2 2012/2013	Completed
22	Gey Eng Keat	The Effects of Grasses on Shallow-Seated Slope Stability in	Sem2 2012/2013	Completed

		Tropical Rainforest Region		
23	Abdul Rasyid Zainal Abidin	Limit equilibrium method in unsaturated slope stability analysis	Sem2 2013/2014	Completed
24	Balqis Abu Bakar	Numerical modeling of unsaturated flow in vertical layer	Sem2 2013/2014	On going
25	Mariappan Letchumanan	Numerical simulation of slope stability with capillary barrier under rainfall infiltration	Sem2 2013/2014	Completed
26	Engku Shahrulerizal Engku Ab Rahman	Numerical analysis of subgrade stabilization soft soil	Sem2 2013/2014	Completed
27	Mimi Sulastrie Jeman	Numerical simulation in foundation due to settlement problem	Sem2 2013/2014	Completed
28	Norasman Kadir	Stability analysis of fill slope	Sem2 2013/2014	Completed
29	Ilias Abdullah	Soil improvement of taxiway and apron due to soft ground problem	Sem1 2014/2015	Completed

30	Jaharatul Dini Karen Lee Abdullah	Optimum utilization of quarry dust as partial replacement of sand in green concrete	Sem1 2014/2015	Completed
31	Mohd Afendi Ariff	Piles performances behavior of marine structures	Sem1 2014/2015	Completed
32	Nurulfara Ya'acob	Influence of suction induced by grass root	Sem1 2014/2015	Completed
33	Sumathi Subramaniam	Interface stability assessment on composite landfill liner using limit equilibrium analysis method	Sem1 2015/2016	Completed
34	Lee Jin Sin	The comparison and effectiveness of correlation between static and dynamic load test in bored pile	Sem1 2015/2016	Completed
35	Yeoh Gim Heng	The Awareness of Post Tension Slab Implementation for Building Construction	Sem2 2015/2016	Completed

36	Mohamed Khairullail Mohamed Salim	Productivity of Aluminium Steel Formwork System Instead Tradisional Formwork System	Sem2 2015/2016	Completed
37	Norazly Awang	The Effectiveness of Managing the Construction's Waste	Sem2 2015/2016	Completed
38	Norshazwina Johari	Studies on Enhancing Stability of Slope using Soil Nailing	Sem2 2015/2016	Completed
39	Hong Puan Yee	Numerical analysis in shallow foundation design	Sem1 2016/2017	On going
40	Terence Ngu Tai Loong	Ground Improvement on Peat Material Treated with Cement And Geopolymer Using Fly Ash	Sem1 2016/2017	On going
41	Allan Chwee Yew Lun	Evaluation of Bored Pile Capacity in Residual Soil	Sem2 2016/2017	On going

42	Wong Jing Quan	Geophysical Method on Geotechnics and Foundation Design	Sem2 2016/2017	On going
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POSTGRADUATE EXAMINATION / VIVA

PhD EXTERNAL EXAMINER

- i) Mustafa Hasan Abdullah
Finite Element Analysis of Tunnel Soil Pile Interaction,
UKM, 21 April 2016

- ii) Basharuiddin Abdul Hadi
Shear Strength Behaviour of Unsaturated Soils in Governing Shallow Landslide
in Cameron Highland and The Role of Soaking,
UiTM, 2 September 2016

- iii) Masyitah Md Nujid
Bearing Capacity Analysis of Strip Footing on Sand using COMSOL
MULTIPHYSICS,
UKM, 21 November 2016

PhD INTERNAL EXAMINER

- i) Ali Arefnia
Performance of Kaolin tire derived aggregate mixture as a backfill material for retaining wall,
UTM, 18 Aug 2014

- ii) Payman Alimohammadi
Piles behavior under uplift and compressive loading due to radial preloading in soft clay using expanding piles method,
UTM, 15 Oct 2014

- iii) Danial Jahedarmaghani
Performance prediction of tunnel boring machine in tropical moderately weathered to fresh granite,
UTM, 27 May 2015

- iv) Mehdi Raftari
Settlement behavior of soft soil stabilized with soil cement columns using constant rate of strain method,
UTM, 2 Nov 2015

- v) Osman El Husain Mohamed Idris
Pile Soil Interaction Effects on Low Strain Integrity Test of Piles,
UTM, 1 June 2016

- vi) Maybelle Liang
Engineering Geological Classification of Weathered Sedimentary Rock Mass for
Surface Excavation,
UTM, 13 October 2016

MASTER INTERNAL EXAMINER

- i) Wan Nur Firdaus Wan Hassan
Finite Element Formulation for one - dimensional consolidation,
UTM, 26 March 2013
- ii) Bhatawdwkar Ramesh Murlidhar
Effect of Geological setting in A Granite Quarry on Alkali Silica Reaction,
UTM, 10 March 2016
- iii) Julia Tay Jia Min
Establishment of Relationship between Shear Wave Velocity, Shear Strength
and Pore Size Distribution of Sand,
UTM, 29 November 2016

PUBLICATIONS

JOURNAL

ISI Journal :

1. Muazu, M.A. and Ali, N. "Parametric evaluation of tree root water uptake effect on ground movement." International Journal of the Physical Sciences, ISSN 1992-1950, 3468-3474, 2011.
(Indexed by ISI with Impact Factor 0.54)
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2. Ali, N. and Muazu, M.A. "Simulation of Vegetative Induced Deformation in an Unsaturated Soil." *American Journal of Environmental Sciences*, 6(1), Science Publications, USA, ISSN 1553-345X, 101-107, 2010.

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9. Ishak, M. F., Ali, N., and Kassim, A. "Tree Induce Suction for Slope Sustainability." Applied Mechanics and Materials, Vol. 170 – 173, 1334 – 1338, ISSN 1662 – 7482, 2012.
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18. R. A. Abdullah, H. Ahmad, M. F. M. Amin, N. M. Yunus, N. Mashros, S. A. and Ali, N. " Efficiency of Slope Remedial Work at Bukit Nanas, Malaysia." *Journal of Advanced Research in Applied Mechanics*, ISSN 2289-7895, Vol. 7 (1), 1 – 11, 2015.

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19. Ishak, M. F., Ali, N., and Kassim, A. " Analysis Of Suction Distribution Response To Rainfall Event And Tree Canopy." Journal of Technology, ISSN 2180-3722, Vol. 78, Special Issue (8-5), 83 – 87, 2016.
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2. Ali, N. And Rees, S. W. "Preliminary Analysis of Tree-induced Suctions on Slope Stability." First European Conference on Unsaturated Soils (E-UNSAT 2008), Taylor & Francis Group, Durham, 2008.
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4. Ali, N. And Rees, S. W. "One-Dimensional Water Uptake by Vegetation." Geotropika International Conference, Kuala Lumpur, 2008.
5. Rees, S.W, Ali, N. and Wilson, C. "Groundwater variation and soil stability in relation to vegetation induced water uptake." 33rd IAHR International Conference, American Society of Civil Engineering, ASCE, Vancouver, 2009.

6. Farshchi, I., Ali, N. and Jorat, M. E. "Soil-Root Interaction and Effects on Slope Stabilization." Proc. 1st Makassar International Conference on Civil Engineering (MICCE 2010), Makassar, ISBN 9786029522709, 767 – 773, 2010.
7. Muazu, M.A. and Ali, N. "Numerical Analysis of Vegetative Induced Matric Suction Changes and Deformation." Geotropika International Conference, ISBN 978-983-9805-95-6, Kota Kinabalu, 2010.
8. Muazu, M.A. and Ali, N. "2-D Axi-Symmetric of Root Water-Uptake and Deformation." Geotropika International Conference, ISBN 978-983-9805-95-6, Kota Kinabalu, 2010.
9. Kalatehjari, R. and Ali, N. "Comparative study of two-dimensional and three-dimensional stability analyses in an irregular soil slope with respect to intercolumn forces." Geotropika International Conference, ISBN 978-983-9805-95-6, Kota Kinabalu, 2010.
10. Farschchi, I., Ali, N. and Jorat, M.E. "Mechanical And Hydrolical Effects of A Tree On Slope Stabilization." Geotropika International Conference, ISBN 978-983-9805-95-6, Kota Kinabalu, 2010.
11. Muazu, M.A. and Ali, N and Ahmed, K. "Soft Engineering on Slope Ground." 3rd International Graduate Conference on Engineering, Science and Humanities (IGCESH 2010), Johor Bahru, 2 – 4 November 2010.
12. Roohollah, K. and Ali, N. "Finding the critical slip surface of a soil slope with the aid of particle swarm optimization in solving the iterative process." 11th International Scientific Geo Conference SGEM 2011, Bulgaria, 20-24 June 2011.

13. Roohollah, K. and Ali, N. "Limit equilibrium stability equations of soil slopes in complicated geological zones: Considerations and issues." National Geoscience Conference 2011, Johor Bahru, 11-12 June 2011.
14. Ali, N. and Muazu, M.A. "Effects of Induced Vegetative Moisture Uptake in an Unsaturated Soils." 5th Asia-Pacific Conference on Unsaturated Soils, AP-UNSAT 2011, Pattaya, 14-16 November 2011.
15. Kholghifard, M., Ahmad, K., Gofar, N., Ali, N., Kalatehjari, R. "Evaluation of Collapsibility Behavior of Compacted Laterite Soil." National Seminar on Civil Engineering Research, SEPKA 2011, Johor Bahru, 13-15 September 2011.
16. Kholghifard, M., Ali, N., Kalatehjari, R. "Two-directional factor of safety equation in three-dimensional slope stability analysis." National Seminar on Civil Engineering Research, SEPKA 2011, Johor Bahru, 13-15 September 2011.
17. Ishak, M. F., Ali, N., and Kassim, A." Tree Induce Suction For Slope Sustainability. "International Conference on Engineering, Architecture and Building Materials, Yantai, China, 25-27 May 2012.
18. Ishak, M. F., Yahaya, A. H., Ali, N., and Kassim, A." Soil Suction Profile Due To Acacia Mangium Tree. "International Conference on Civil and Environmental Engineering for Sustainability, IConCEES 2012, Johor Bahru, 3-5 April 2012.
19. Ishak, M. F., Yahaya, A. H., Ali, N., and Kassim, A." The effect of Tree Induced Suction on Soil Stabilization." APSEC – ICEER 2012, Surabaya, 2-4 October 2012.

20. Ishak, M. F., Ali, N., and Kassim, A." The effect of Tree Induced Suction on Slope Stabilization Analysis. "3rd International Conference on Soil Bio and Eco-engineering the use of Vegetation to Improve Slope Stability, Vancouver, 23 - 27 July 2012.
21. Muazu, M.A. and Ali, N. " Lateral stress induced due root-water-uptake in unsaturated soils" Proceeding Of Second international Conference – GEOMATE 2012, 513-517, Kuala Lumpur, 14 – 16 November 2012.
22. M. F. Ishak, F.F. Sulaiman, Ali, N. and A. Kassim. " Soil Suction Profile Due To Tree Induce Suction." GEOCON International Conference, Johor Bahru, 2013.
23. R. Kalatehjari, A. Safuan, and Ali, N. " A Comparative Study On Three-Dimensional And Two-Dimensional Slope Stability Analysis In Calculating The Value Of Factor Of Safety." GEOCON International Conference, Johor Bahru, 2013.
24. Rini A. Abdullah, Mohd For M. Amin, Nor Zurairahetty M. Yunus, Siti N. Jusoh, Ali, N., and Amin E. Otaghsaraei. " Prediction of parameters' controlling the rock slope stability: ANOVA approach." 8th Asian Rock Mechanics Symposium, 1-7, Sapporo, 14 – 16 October 2014
25. Ali, N. and Roohollah, K. " Particle Swarm Optimization in Three-Dimensional Slope Stability Analysis." 2nd International Symposium on Experties of Engineering Design (ISEED), Kagoshima, Japan, 9 – 11 May 2017

BOOK CHAPTER

1. Ali, N. "Self Assessment report for Accreditation of an Engineering Programme." Chapters in Book, ISBN 9789834261351, Faculty of Civil Engineering, 2009.
2. Ali, N. "Ground Stabilization by Tree Induced Water Uptake." Chapters in Book, Ground Improvement and Stabilization. ISBN 9789835205736, UTM Press, 2009.
3. Ali, N. " Slope stability analysis in the portal of underground subway stations." Chapters in Book, Ground Movements Induced by Tunnelling and their effects on Surface Structures. ISBN 9789835209451, UTM Press, 2014.

KEYNOTE ADDRESS / INVITED SPEAKER

1. Invited Speaker, PLAXIS Software Course, UTM, Pulau Spring Resort, Skudai, 18 – 19 July 2002
2. Invited Speaker, UTMost Imagination, UTM, Skudai, 25 Mac 2011
3. Invited Speaker, Seminar Kejuruteraan Awam, Avillion Legacy Hotel, Melaka, 6 July 2013
4. Invited Speaker, Seminar Kejuruteraan Awam, Avillion Legacy Hotel, Melaka, 16 Aug 2014
5. Invited Speaker, Seminar Kejuruteraan Awam, Bayview Hotel, Langkawi, 15 Aug 2015

6. Invited Speaker, Slope Remedial Workshop, MBBB, Bayu Resort Hotel, Johor Bahru, 24 – 25 Nov 2015
7. Invited Speaker, Seminar Kejuruteraan Awam, Bayview Hotel, Langkawi, 6 Aug 2016
8. Keynote Address, 1st ISEED and 11th SEPKA International Conference, UTM Skudai, 27 Sept 2016
9. Invited Speaker, Slope Stabilization by Tree Induced Suction, 2nd ISEED International Conference, Kyocera Hotel, Kagoshima, Japan, 10 May 2017

SELECTED REVIEWER

No	Name	Title	Date
1	International Journal of Advances in Water Resources	A qualitative approach to the water uptake by a root system growing in a fixed soil volume	June 2006
2	Journal of Technology	Students knowledge, attitudes and practice on landslides issues in Penang, Malaysia	Dec 2010
3	Journal of Technology	Discrete element modeling in rock slope stability analysis	May 2014
4	Journal of Technology	Analysis of rainfall effect to slope stability in Ulu Klang	May 2014
5	ICE Journal - Geotechnical Engineering	Engineering and environmental aspects of offshore soil mixing	July 2014

6	Journal of Technology	Bearing capacity of Soft Clay Installed with singular and group of encased bottom ash columns	Sept 2015
7	Journal of Technology	Numerical and physical modeling of kaolin as backfill material for polymer concrete retaining wall	Sept 2015
8	Journal of Technology	Chemical deep mixing of marine clay using rubber chips	Sept 2015