



PERSONAL DETAILS

Name : Associate Professor Ir. DR. AZMAN BIN KASSIM
P. Eng, M.I.E.M. A.A.E

Gender : Male

Date of Birth : 6th September 1966

Nationality : Malaysian

Marital Status : Married

Permanent Address : Faculty of Civil Engineering,
Universiti Teknologi Malaysia,
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Expertise : Slope Engineering, Unsaturated Soil Mechanics, Instrumentation, Soil Properties

ACADEMIC QUALIFICATIONS

2011 : Doctor of Philosophy (Civil Engineering)
Universiti Teknologi Malaysia, MALAYSIA
(Thesis Title: Modelling the Effect of Heterogeneities on Suction Distribution Behaviour in Tropical Residual Soil)

1996 : Master of Engineering (Engineering Geology)
Universiti Teknologi Malaysia, MALAYSIA
(Research Title: Engineering Properties of Undisturbed Highly Weathered Malaysian Granite)

1988 : Bachelor of Science (Civil Engineering)
University of Miami, UNITED STATES OF AMERICA

PROFESSIONAL MEMBERSHIP/QUALIFICATIONS/RECOGNITION

1990-present : Graduate Member, Board of Engineers Malaysia (BEM).
2006-2016 : Profesional Engineer (12651), Board of Engineers Malaysia (BEM).
2010-present : Corporate Member (44118), Institute of Engineers Malaysia (IEM).
2012-present : Member, Associate Asean Engineer (AAE).
2016-present : Profesional Engineer with Practicing Certificate (C112651), Board of Engineers Malaysia (BEM).

WORKING EXPERIENCE

Jan. 1988 – Dec. 1988 : Research Assistant, Department of Civil Engineering, School of Engineering, University of Miami, Coral Gables, United States of America
July 1989 – Sept. 1989 : Trainee, Maktab Perguruan Raja Melewar, Negeri Sembilan (Option in English Language)
Sept. 1989 – Oct. 1996 : Assistant Lecturer ‘A’, Faculty of Civil Engineering, Universiti Teknologi Malaysia
Jan. 1994 – July 1994 : Head Laboratory, Engineering Geology and Rock Mechanics Laboratory at Faculty of Civil Engineering, Universiti Teknologi Malaysia
July 1996 – Aug. 1998 : Head Laboratory, Engineering Geology and Rock Mechanics Laboratory at Faculty of Civil Engineering, Universiti Teknologi Malaysia
Oct. 1996 – July 2004 : Lecturer, Faculty of Civil Engineering, Universiti Teknologi Malaysia
July 2004 – Nov. 2006 : Senior Lecturer, Faculty of Civil Engineering, Universiti Teknologi Malaysia
November 2006 – present : Associate Professor, Faculty of Civil Engineering, Universiti Teknologi Malaysia

(A) RESEARCH AND PUBLICATION

JOURNAL PUBLICATIONS

ISI Journal

1. Saadatkah, N., **Kassim, A.** and Lee, M. L. (2016). Regional Modeling of Rainfall-Induced Landslides Using TRIGRS Model by Incorporating Plant Effects: Case Study in Hulu Kelang, Malaysia. *Environmental Earth Sciences*, Vol 75(445). **(Q2;IF=2.013)**
2. Saadatkah, N., Tehrani, M. H., Mansor, S., Khuzaimah, Z., **Kassim, A.** And Saadatkah, R. (2016). Impact Assessment of Land Cover Changes on the Runoff Changes on the Extreme Flood Events the Kelantan River Basin. *Arabian Journal of Geoscience*. Vol 9(17), 687. **(Q3;IF=1.439)**
3. Saadatkah, N., **Kassim, A.** and Lee, L. M. (2015). Hulu Kelang, Malaysia Regional Mapping of Rainfall-induced landslides using TRIGRS model. *Arabian Journal Geosciences*. Vol 8(5), pp. 3183-3194. **(Q3;IF=1.439)**
4. Saadatkah, N., **Kassim, A.** and Lee, M. L. (2015). Spatiotemporal Regional Modeling of Rainfall-Induced Slope Failure in Hulu Kelang, Malaysia. *Environmental Earth Sciences*, Vol 73, Issue: 12, 8425-8441. **(Q2;IF=2.013)**
5. M. Kholghifard, M., Ahmad, K., Ali, N., **Kassim, A.**, Kalatehjari, R. and Babakanpour. F. (2014). Temperature Effect on Compression and Collapsibility of Residual Granitic Soil. *Gradevinar*. Vol 66(3), 191-196. **(Q4;IF=0.158)**
6. M. Kholghifard, M., Ahmad, K., Ali, N., **Kassim, A.** and Kalatehjari, R. (2014). Collapse/Swell Potential of Residual Laterite Soil Due to Wetting and Drying-Wetting Cycles. *The National Academy of Sciences, Springer*, Vol 37(2), 147-153. **(Q4;IF=0.345)**
7. **Kassim, A.**, Gofar, N., Lee, M.L. and Rahardjo, H. (2012). Modeling of Suction Distributions in an Unsaturated Heterogeneous Residual Soil Slope. *Engineering Geology*. Vol 131: 70-82. **(Q1;IF=2.663)**
8. Lee, M.L., **Kassim, A.** and Gofar, N. (2011). Performances of Two Instrumented Laboratory Models for the Study of Rainfall Infiltration into Unsaturated Soil. *Engineering Geology*. 117(1-2):78-89. **(Q1;IF=2.663)**

Q1	Q2	Q3	Q4	Total IF
2	2	2	2	12.733

SCOPUS Journal

9. Azhar, A.T.S., Fazlina, M.I.S, Aziman, M., Fairus Y. M., **Kassim, A.** and Hazreek, Z.A.M. (2016). Preliminary Analysis on Matric Suction for Barren Soil. IOP Conference Series: Materials Science and Engineering, Volume 160(1)
10. Ishak, M.F., Ali, N. and **Kassim, A.** (2016). Tree Induced Suction on Slope Stabilization Analysis. ARPN Journal of Engineering and Applied Science, Vol 11(11): 7204-7208
11. Fakhurazzilshak, M., Ali, N. and **Kassim, A.**(2016). Analysis of Suction Distribution Response to Rainfall Event and Tree Canopy. Jurnal Teknologi, Vol 78(8-5): 83-87
12. Talib, Z.A., **Kassim, A.** and Yunusa, G.H. (2016). Influence of Relict Joints on Permeability of Residual Soil. IOP Conference Series: Material Science and Engineering. Vol 136(1)
13. Ishak, M. F., Sulaiman, F. F., Ali, N. and **Kassim, A.** (2016). Tree Water Uptake and Suction Distribution on Tropical Residual Soil Slope. IOP Conference Series: Earth and Environmental Science. Vol 30(1)
14. Haruna Yunusa, G. and **Kassim, A.** (2016). Laboratory Investigation of Drainage Cell as Transport Layer in Residual Soil. Jurnal Teknologi. Vol 78(6-12): 23-29
15. Bunawan, A. R., Mahin, M. A. H., Hezmi, M. A., **Kassim, A.** and Rashid, A.S.A. (2016). Developement of Slope Monitoring Device Using Accelerometer. Jurnal Teknologi. Vol 78(8-5)
16. Talib, Z.A., **Kassim, A.**, Yunusa, G. H. and Rashid, A.S.A. (2016). Response of Suction Distribution Due to Variations of Permeability in Residual Soil Slope. Jurnal Teknologi. Vol 78(8-5): 109-115
17. Saadatkah, N., **Kassim, A.** and Lee, L. M. (2015). Susceptibility Assessment of Shallow Landslides in Hulu Kelang Area, Kuala Lumpur, Malaysia Using Analytical Hieratchy Process and Frequency Ratio. Geotechnical and Geological Engineering. Vol 33(1), pp. 43-57
18. Nelson, O., **Kassim, A.**, Yunusa, G. H. and Talib, Z.A. (2015). Modelling the Effect of Wind Forces on Landslide Occurrence: A Case Study of Bududa District, Uganda. Jurnal Teknologi, Vol 77(11) pp. 35-42
19. Yunusa, G. H., **Kassim, A.** and Talib, Z.A. (2015). Numerical Investigation of Performance of Capillary Barrier System with Transport Layer. Jurnal Teknologi, Vol 77(12) pp. 67-74

20. Yunusa, G. H., **Kassim, A.** and Rashid, A.S.A. (2015). Influence of Transport Layer on Transient Suction Distribution in a Two-Layered Slope. *Jurnal Teknologi*, Vol 72(3): 59-74
 21. Saadatkhah, N., **Kassim, A.**, Lee, M. L. and Yunusa, G. H. (2015). Quantitative Hazard Analysis for Landslides in Hulu Kelang Area, Malaysia. *Jurnal Teknologi*, Vol 73 (1):111–121
 22. Saadatkhah, N., **Kassim, A.**, Lee, M.L. (2014). Spatial Patterns of Precipitation, Altitude and Monsoon Directions in Hulu Kelang Area, Malaysia. *Electronic Journal of Geotechnical Engineering*. Vol 19C (45): 521-534
 23. Foroutan, M., **Kassim, A.**, Amiri S.T. and Molkaraei, P. (2014). Coupling Effect of Suction Variation on Riverbank Stability. *Electronic Journal of Geotechnical Engineering*. Vol 19 Bund. Q: 4427-4438
 24. Saadatkhah, N., **Kassim, A.**, Lee, M.L. (2014). Qualitative and Quantitative Landslide Susceptibility Assessments in Hulu Kelang Area, Malaysia. *Electronic Journal of Geotechnical Engineering*. Vol 19C (47): 545-563
 25. Yunusa, G. H., **Kassim, A.** and Gofar, N. (2014). Effect of Surface Flux Boundary Conditions on Transient Suction Distribution in Homogeneous Slope. *Indian Journal of Science and Technology*, Vol 7(12): 2064–2075
 26. Yunusa, G. H., **Kassim, A.** and Gofar, N. (2014). Effect of Soil Layering on Suction Distribution in Unsaturated Residual Soil Slope *Electronic Journal of Geotechnical Engineering*. Vol 19 (Z): 9351-9376
 27. Sokhanvar, M. and **Kassim, A.** (2013). Unsaturated Shear Strength Behaviour under Unconsolidated Undrained Tests. *Electronic Journal of Geotechnical Engineering*. Vol 18 Bund. C: 439-449
 28. Faizi, K, Armaghani, D.J., **Kassim, A.** and Lonbani, M. (2013). Evaluation of Geotextiles on Embankment Displacement under Seismic Load. *Electronic Journal of Geotechnical Engineering*. Vol 18 Bund. C: 601-612
 29. Ishak, M. F., Ali, N. and **Kassim, A.** (2012). Tree Induced Suction for Slope Sustainability. *Applied Mechanics and Materials*. Vol 170-173, pp. 1334-1338
 30. Gofar, N., Lee, M.L., **Kassim, A.** (2009). Extreme Rainfall for Slope Stability Evaluation, Prediction and Simulation Methods for Geohazard Mitigation - Proceedings of the International Symposium on Prediction and Simulation Methods for Geohazard Mitigation, IS-KYOTO 2009, pp 499-503
- (Note: the status of this paper has been verified by SCOPUS to be amended online within 2-3 weeks)**

31. Gofar, N., Lee, M.L. and **Kassim, A.** (2008). Response of Suction Distribution to Rainfall Infiltration in Soil Slope. *Electronic Journal of Geotechnical Engineering*. Vol 13 (E): 1-13

TOTAL SCOPUS JOURNAL: 31

H-INDEX: 5

NON INDEXED Journal

1. Yunusa, G. H., **Kassim, A.** and Gofar, N. (2015). Effect of Fine-Grained Soil Layer Thickness on Performance of Modified Capillary Barrier System. *Malaysian Journal of Civil Engineering*. Vol 27(1): 24-46
2. Ishak, M.F., Ali, N. and **Kassim, A.** (2013). The Influence of Tree Induce Suction on Soil Suction Profile. *International Journal of Research in Engineering and Technology, IJRET*. Vol. 2(9): 187-193
3. Ishak, M. F., Ali, N., and **Kassim, A.** (2013). The Effect Of Tree Induce Suction On Slope Stabilization Analysis.” *International Journal of Civil Engineering & Geo-Environment*, Vol.4: 1–7, ISSN2180–2742, 2013
4. Ishak, M.F., Ali, N. and **Kassim, A.** (2012). Tree Induce Suction For Slope Sustainability. *Applied Mechanics and Materials*. Vols. 170-173 (2012): 1334-1338. Trans Tech Publications, Switzerland.170-173.1334
5. **Kassim, A.**, Gofar, N. and Lee, M.L. (2008). Numerical Simulation of Infiltration through Unsaturated Soil Column. *Malaysian Journal of Civil Engineering*. 28(2): 211-222
6. Gofar, N., Lee, M.L. and **Kassim, A.** (2006). Effect of Surface Boundary Conditions on Rainfall Infiltration. *Jurnal Teknologi B.* (44): 63-70
7. M. Amin, M.F. and **Kassim, A.** (2004). Description & Classification of Filled Joint in Granite. *Bulletin of the Geological Society Malaysia*, No. 44, July 2000
8. **Kassim, A.** and Kasim, F. (2003). Simulation Study of Slope Stability Affected by Construction of New Buildings at Universiti Teknologi Malaysia, *Journal of Civil Engineering* 15(1): 49-61, Faculty of Civil Engineering, December 2003

PROCEEDINGS/CONFERENCE

1. **Kassim, A.** (2016). Slope Engineering, Forensic Civil Engineering Seminar 2016, 4-5 October, 2016. Kuala Lumpur, Universiti Teknologi Malaysia

2. **Kassim, A.** (2016). Landslide Assessment in Korea and Malaysia Region with Climate Change. Green Infrastructure Technology for Climate Change, International Joint Seminar G1T4CC-CRC Joint Research. 30 November 2016. Yonsei University, Korea
3. Talib, Z.A., **Kassim, A.** and Yunusa, G.H. (2016). Influence of Relict Joints on Permeability of Residual Soil. Soft Soil Engineering International Conference (SEIC). 27-29 October, Langkawi
4. Ishak, M. F., Sulaiman, F. F., Ali, N. and **Kassim, A.** (2016). Tree Water Uptake and Suction Distribution on Tropical Residual Soil Slope. 3rd International Conference on Geological, Geographical, Aerospace and Earth Sciences (AeroEarth), 26-27 September, Jakarta
5. Yunusa, G. H. and **Kassim, A.** (2015). Laboratory Investigation of Drainage Cell as transport Layer in Residual Soils. Proceedings of the 1st ICRIL-International Conference on Innovation in Science and Technology (IICIST 2015) 20th April, 2015. Menara Razak, Kuala Lumpur, Universiti Teknologi Malaysia
6. Saadatkhan, N., **Kassim, A.**, Lee, M.L. (2014). Landslide Occurrence as a Response to Plant Cover Change: A Review of Evidence from Hulu Kelang, Malaysia. The Iranian National Conference on Environment and Energy (INCEE2014), August 2014, Kharazmi International Education and Research Institute
7. Yunusa, G. H., **Kassim, A.** and Gofar, N. (2014): Effectiveness of Unsaturated Drainage Layer in Water Diversion under Different Rainfall Conditions. Proceeding of National Seminar on Civil Engineering Research (SEPKA). 14-15 April 2014, Universiti Teknologi Malaysia
8. Yunusa, G. H., **Kassim, A.** and Gofar, N. (2014): Effect of Fine-Grained Soil Layer Thickness on Performance of Capillary Barrier System with Unsaturated Drainage Layer. Proceeding, National Seminar on Civil Engineering Research (SEPKA). 14-15 April 2014, Universiti Teknologi Malaysia
9. Yunusa, G. H., **Kassim, A.** and A.Rashid, A. S. (2013): Influence of Transport Layer in a Two-Layered Slope under Rainfall Infiltrations. Proceeding, of GEOCON 2013 The 9th International Conference on Geotechnics and Transportation, Geotropika 2013 and The 1st International Conference on Construction and Building Engineering, ICONBUILD 2013. 28th. – 30th. October, 2013. Persada International Convention Centre, Johor Bahru, Malaysia, Paper ID; 240, pp 877 -886
10. Ishak, M. F., Sulaiman, F.F., Ali, N. and **Kassim, A.** (2013). Soil Suction Profile Due To Tree Induce Suction. Proceeding, of GEOCON 2013 The 9th International Conference on Geotechnics and Transportation, Geotropika 2013 and The 1st International Conference on Construction and Building Engineering, ICONBUILD 2013. 28th. – 30th. October, 2013. Persada International Convention Centre, Johor Bahru, Malaysia

11. Foroutan M., **Kassim, A.** and A.Rashid, A. S. (2013). Coupling Effect of Suction Variation on Riverbank Stability. Proceeding, of GEOCON 2013 The 9th International Conference on Geotechnics and Transportation, Geotropika 2013 and The 1st International Conference on Construction and Building Engineering, ICONBUILD 2013. 28th. – 30th. October, 2013. Persada International Convention Centre, Johor Bahru, Malaysia
12. Ishak, M. F., Ali, N., and **Kassim, A.** (2012). Tree Induce Suction For Slope Sustainability. International Conference on Engineering, Architecture and Building Materials, Yantai, China, 25-27 May 2012.
13. Ishak, M. F., Yahaya, A. H., Ali, N., and **Kassim, A.** (2012). 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.
14. Ishak, M.F., Yahaya, M.H., Ali, N. and **Kassim, A** (2012). The Effect of Tree Induce Suction on Soil Stabilization. APSEC-ICCER 2012. Surabaya, Indonesia, 2-4 October 2012
15. Ishak, M.F., Ali, N. and **Kassim, A** (2012). The Effect of Tree Induce Suction on Slope Stabilization Analysis. 3rd International Conference on Soil Bio- and Eco-Engineering The Use of Vegetation to Improve Slope Stability, Vancouver, Canada, 23 - 27 July 2012
16. **Kassim, A.**, Gofar, N., Mokhtar, N.A. and Lee, M.L. (2012). Suction Distributions of Heterogeneous Residual Soils with Relict Discontinuities. APSEC-ICCER 2012. Surabaya, Indonesia, 2-4 October 2012
17. Gofar, N., **Kassim, A.** and Lee, M.L. (2011). Effect of Relict Joint on the Mass Permeability of Residual Soil. 3rd Int'l Conf. on Geotechnical Engineering for Disaster Mitigation and Rehabilitation. Semarang, Indonesia, 18-20 May
18. Gofar, N., Lee, M.L., Kasim, A. (2009). Extreme Rainfall for Slope Stability Evaluation, Prediction and Simulation Methods for Geohazard Mitigation - Proceedings of the International Symposium on Prediction and Simulation Methods for Geohazard Mitigation, IS-KYOTO 2009 , Pages 499-503, International Symposium on Prediction and Simulation Methods for Geohazard Mitigation, IS-KYOTO 2009; Kyoto; Japan; 25 May-27 May 2009
19. **Kassim, A.**, Gofar N., and Lee M.L. (2008). Laboratory Model for Rainfall Infiltration in Layered Soil Slope. Proceedings of International Conference on Geotechnical and Highway Engineering, Geotropika2008. Kuala Lumpur, 26-27 May 2008
20. Gofar, N., Lee, M.L. and **Kassim, A.** (2008). Instrumented Soil Column Model for Rainfall Infiltration Study. Proceedings of International Conference on Geotechnical and Highway Engineering, Geotropika2008. Kuala Lumpur, 26-27 May 2008

21. Gofar, N., Lee, M.L. and **Kassim, A.** (2007). Stability of Unsaturated Slopes Subjected to Rainfall Infiltration. Proceedings of the 4th International Conference on Disaster Prevention and Rehabilitation. Semarang, 10-11 September 2007
22. **Kassim, A.**, Gofar N., Mokhtar, N. and Lee, M.L. (2006). The Effect of Transient State Rainfall on Stability of A Residual Soil Slope. Proceedings of the International Conference on Slope, Malaysia 2006. Kuala Lumpur Convention Center, KLCC, 7 – 8 August 2006
23. Lee, M.L., Gofar N., **Kassim, A.** and Mokhtar, N. (2006). Effect of Vegetation Cover on Suction Variation and Slope Stability. Proceedings of the National Seminar on Civil Engineering Research SEPKA 2006. UTM Skudai, Johor, 19-20 December
24. **Kassim, A.**, Gofar N. and Lee, M.L. (2006). A Study of Infiltration on Unsaturated Layered Soil Column. Proceedings of the National Seminar on Civil Engineering Research SEPKA 2006. UTM Skudai, Johor, 19-20 December
25. M. Amin, M.F., Teo, B.K., **Kassim, A.** and Selamat, M.R. (2000). Verification of Rock Shear Strength Parameters for Preliminary Design Using Portable Shear Box Apparatus. Proceeding The IV Asean Pasific Structural Engineering and Construction Conference (APSEC 2000). Kuala Lumpur, 12-15 Sept
26. **Kassim, A.**, M. Amin, M.F. and Bakar, I.H. (1999). Mechanical Properties Of Highly Weathered Malaysian Granite. Proceeding AIT 40th Year Anniversary, Civil & Environmental Engineering Conference New Frontiers & Challenges, Thailand, Nov. 1999
27. **Kassim, A.**, M. Amin, M.F. and Bakar, I.H. (1999). Critical State of Highly Weathered Malaysian Granite. Proceeding Geotropika'99, Johor Bahru, Malaysia, Nov. 1999
28. M. Amin, M.F. and **Kassim, A.** (1999). Effect of Granular Infilling on Joint Behaviour. Proceeding 2nd Asian Symposium on Engineering Geology and Environment, Bangi, Malaysia, Sept. 1999
29. **Kassim, A.** and M. Amin, M.F. (1999). Laboratory Studies on Highly Weathered Malaysian Granite. Proceeding 2nd Asian Symposium on Engineering Geology and Environment, Bangi, Malaysia, Sept. 1999.
30. M. Amin, M.F. and **Kassim, A.** (1999). Mechanics of Rock Joint Filled with Weak, Granular Material. Proceeding AIT 40th Year Anniversary, Civil & Environmental Engineering Conference New Frontiers & Challenges, Thailand, Nov. 1999
31. M. Amin, M.F. and **Kassim, A.** (1999). Description & Classification of Filled Joint in Granite- an Approach. Proceeding Annual Geological Conference. Desaru, Malaysia, May 1999

32. **Kassim, A.** and Ling, F. N. L. (2005). Failure Mode from Back Analysis of Deformed Cantilever Sheet Pile Wall. IEM-GSM Oktoberforum 2005: Case Histories in Engineering Geology & Geotechnical Engineering, IEM, Petaling Jaya, Selangor, 4 October
33. Mohamad, E. T., Kassim, K. A., **Kassim, A.**, Shapiai, Y. S. and Jaafar N. A. (2005). Determination of Weathering Grade of Granite by Using Uniaxial Compressive Strength Test. Proceeding Civil Engineering Research National Seminar, Johor Bahru, 5-6 July
34. **Kassim, A.** and Karim, M. H. M. (2004). Hasil Penilaian Geologi, Geoteknik dan Hidrologi di Persekitaran Tadahan Sungai Air Hitam Besar, Gunung Pulai, Johor. Special Committee on Conservation of Gunung Pulai Environment, Johor Bahru, Oct. 2004
35. **Kassim, A.**, Ling, F. N. L. and Harahap, M. I. P. (2004). Computation of Slope Stability by Strength Reduction. Proceeding Faculty of Civil Engineering Research Seminar, Johor Bahru, 1-2 September
36. **Kassim, A.** and Karim, M. H. M. (2002). Penilaian Geologi di Kawasan Kejadian Tanah Runtuh di Gunung Pulai. Special Committee on Conservation of Gunung Pulai Environment, Johor Bahru, August 2002
37. M. Amin, M.F. and **Kassim, A.** (1999). Rock Joint with Weak, Granular Infillings. Proceeding Research Seminar on Construction, Materials and Environmental Technology, Universiti Teknologi Malaysia, Malaysia, Feb. 1999
38. **Kassim, A.** and M. Amin, M.F. (1999). Failure on Natural Residual Soils Slope. Technical Talk on Civil Engineering, Graduate and Student IEM Southern Branch and Faculty of Civil Engineering UTM, Johor Bahru, Malaysia, Feb. 1999
39. M. Amin, M.F. and **Kassim, A.** (1998). Engineering Assessment of Proposed Land Reclamation Project, Kuala Perlis. Faculty of Civil Engineering Seminar, SEMKA'98. Kedah, Malaysia
40. **Kassim, A.** (1995). Sampling of Highly Weathered Granite. Faculty of Civil Engineering Research Seminar, SEPKA'95. Johor Bahru, Malaysia
41. **Kassim, A.**, Bakar, I.H. and Snee, C.P.M. (1995). Technical Note: Undisturbed Sampling of Highly Weathered Granite. Proceeding Malaysian Science Technology Congress, Kuala Lumpur, Malaysia

SEMINARS/WORKSHOPS

- (1) **Kassim, A.** (2016). Slope Engineering, Forensic Civil Engineering Seminar 2016, 4-5 October, 2016. Kuala Lumpur, Universiti Teknologi Malaysia

- (2) **Kassim, A.** (2016). Landslide Assessment in Korea and Malaysia Region with Climate Change. Green Infrastructure Technology for Climate Change, International Joint Seminar G1T4CC-CRC Joint Research. 30 November 2016. Yonsei University, Korea
- (3) **Kassim, A.** (2016). “*Kursus Pemantauan dan Penyelenggaraan Cerun*”. Pusat Khidmat Kontraktor. March 2016. Hotel Pinetree, Batu Pahat, Johor
- (4) **Kassim, A.** (2015). “*Kursus Pengurusan Cerun & Penyediaan Anggaran Kos*”. Pusat Khidmat Kontraktor. 13 March 2015. Johor Bahru
- (5) **Kassim, A.** (2014). “*Kursus Kejuruteraan Cerun*”. Pusat Khidmat Kontraktor Negeri Johor. November 2014 - December 2014. Johor Bahru
- (6) **Kassim, A.,** Gofar, N. and Lee, M.L. (2011). Effect of Relict Discontinuities on Water Flow in Heterogeneous Residual Soil. Seminar and Workshop on Development of Rock Mass Classification in Wet Tropical Region: Issues and Challenges. Kuala Lumpur, 12 November 2011
- (7) **Kassim, A.** (2003). Nota Teknikal: Tinjauan Kejuruteraan Tanah dalam Penyediaan Subgred untuk Turapan Jalan Raya. Short Course on Highway Construction, Faculty of Civil Engineering, UTM, Johor Bahru, 25-25 June 2003
- (8) **Kassim, A.** et al. (2002). Contingency Plan for Refugee Influx from Aceh to the State of Johor Bahru, Malaysia. Workshop on Contingency Planning, Preparedness and Response, Johor Bahru, 7-8 Oct. 2002

ORIGINAL BOOK/BOOK CHAPTERS

1. Kassim, K. A., Ismail, Z., Ahmad, K., **Kassim, A.** & Mohd Amin, M.F. 1999. Editors, Proceeding Geotechnical Engineering Conference, Proceeding of the Fifth Geotechnical Engineering Conference, Geotropika 99. ISBN 983-9805-29-0

MODULES/MONOGRAPH/ CONTRIBUTION WRITER

1. Yusof, M. Z. H., Kassim, K. A. & **Kassim, A.**, 2003. Module of Short Course on Highway Construction, Universiti Teknologi Malaysia
2. Translation Civil Engineering Laboratory 1 (Soil Tests - English version)), Faculty of Civil Engineering (in house edition), April 2003
3. Teaching Module Advanced Rock Mechanic and Engineering Geology, (Version 1, 1998) Faculty of Civil Engineering, Universiti Teknologi Malaysia

4. Teaching Module Rock Mechanic and Geology, (Version 3, April 2003) Faculty of Civil Engineering, Universiti Teknologi Malaysia, 2003
5. Teaching Module Soil Mechanics and Geology, (Version 1, 1997), Faculty of Civil Engineering, Universiti Teknologi Malaysia
6. Teaching Module Rock Mechanic and Geology, (Version IV, June 2004) Faculty of Civil Engineering, Universiti Teknologi Malaysia, 2004
7. Teaching Module Advanced Rock Mechanic and Engineering Geology, (Version 2, 2004/5) Faculty of Civil Engineering, Universiti Teknologi Malaysia

NEWS AND BULLETIN

- (1) Mingguan Malaysia, 14 December 2008. Article Title: Kerakusan Manusia Punca Bencana.
- (2) Utusan Malaysia, 15 December 2008. Article Title: Tingkatkan Sensitiviti Rakyat Tentang Tanah Runtuh.
- (3) Utusan Malaysia, 28 December 2006. Article Title: Atasi Kesan Musim Terkujuh.
- (4) Utusan Malaysia, 26 January 2007. Article Title: Apabila Banjir Tidak Surut.
- (5) Berita Harian, 15th January 2002. Article on Landslide Occurrence at Gunung Pulai, Johor
- (6) Utusan Malaysia, 9th January 2002 & 10th January 2002. Article on Landslide Occurrence at Gunung Pulai, Johor
- (7) Disaster Management and Mitigation Team Newsletter, Universiti Teknologi Malaysia, 2000-2002
- (8) **Kassim, A.**, Bakar, I.H. and M. Amin, M.F. (1999). Sampling of Highly Weathered Malaysian Granite for Laboratory Test. Civil Engineering Bulletin, Faculty of Civil Engineering, Universiti Teknologi Malaysia, April 1999
- (9) M. Amin, M.F. and **Kassim, A.** (1998). A Systematic Description and Classification of Filled Joint in Granite. Civil Engineering Bulletin, Faculty of Civil Engineering, Universiti Teknologi Malaysia, Apr. 1998; 2

(B) TEACHING AND SUPERVISION

TEACHING

Postgraduate Level

Semester	Sem	Subject Code	Subject	Credit Hour
1998/1999	II	MAW 1753	Advance Rock Mechanics and Engineering Geology	3
2002/2003	I			
2003/2004	I,II			
2004/2005	II			
2011/2012	II	MAJ 1023	Geotechnical Advance Design	3
2012/2013	I			
2011/2012	I	MAJ 1053	Geotechnical Software Application	3
2012/2013	I			
2015/2016	II			
2014/2015	II	MKAJ 1053		
2015/2016	I,II			
2016/2017	I			
2016/2017	I	MKAJ 1043	Slope Engineering	3
2016/2017	II	MKAJ 1093	Unsaturated Soil Mechanics	3

Undergraduate Level

Semester	Sem	Subject Code	Subject	Credit Hour
1991/1992	Dec.	SUA 1835	Surveying	5
1990/1991	Dec.	SKA 0153	Technical Drawing	3
1991/1992	July			
1990/1991	July	SKA 2422	Engineering Geology Engineering Geology & Rock Mechanics	2
1990/1991	Dec.			
1991/1992	Dec.			
1992/1993	July			
1992/1993	Dec.			
1993/1994	July			
1993/1994	Dec.			
2002/2003	II	SAB 3722		
2003/2004	I			
2003/2004	II			
2004/2015	I			
2004/2005	II			
2005/2006	I			
2009/2010	II	SAB 2712		
2016/2017	II	SKAA 2712		
1998/1999	II	SAW 5013 &	Disaster Management	3

1999/2000	I	SAA/C/E 4014		
1999/2000	II			
1999/2000	III			
2000/2001	I			
2000/2001	II			
2001/2002	I			
2001/2002	II			
2002/2003	I			
1998/1999	II	SAE 2713, SAC 2713, SAA 3713 & SPK 3332	Soil Mechanics and Geology	3
1999/2000	I			
1999/2000	II			
1999/2000	III			
2000/2001	I			
2000/2001	I			
2000/2001	II			
2001/2002	I			
2001/2002	II			
2002/2003	I			
2002/2003	II			
2003/2004	I			
2003/2004	II			
2010/2011	I			
2011/2012	II			
2012/2013	II			
2013/2014	I			
2012/2013	I	SKAA 2012	2	
2013/2014	II	SKAA 2722		
2014/2015	I,II			
2015/2016	I,II			
2016/2017	I,II			
2010/2011	I	SAB 4012	Professional Practice Project	2
2011/2012	II			
2013/2014	I,II			
2011/2012	I	SKAA 1012	Fundamental of Civil Engineering	2
2012/2013	I			
2013/2014	I			
2014/2015	I			
2015/2016	I			
2016/2017	I			
2011/2012	I	SAB 4022	Final Year Pre-Project	2
2012/2013	I			

2011/2012	I	SAB 4733	Foundation Engineering (Elective)	3
2012/2013	I	SKAA 2012	Laboratory of Civil Engineering	2
2012/2013	II	SAB 4743	Advance Rock Mechanics and Engineering Geology	3
2013/2014	I	SKAA 3012	Laboratory of Civil Engineering I	2
2013/2014	II	SAB 4043	Final Year Project	3
2013/2014	II	SKAA 3031	Intergrated Design Project 1	1
2014/2015	I	SKAA 3031	Intergrated Design Project II	1
2014/2015	II	SAB 3011	Laboratory of Civil Engineering III	
2016/2017	II	SKAA 4042	Intergrated Design Project III	2

CUMULATIVE TEACHING CREDIT: 58

SUPERVISION

PhD Student

Year	No.	Name	Status	Title	Roles of Supervision
2016	7.	Aliff Ridzuan Bin Bunawan	On going	Development of Slope Monitoring Device Using Accelerometer	Co-Supervisor
2015	6.	Dayangku Salma Binti Awang Ismail	On going	Early Detection of Rainfall Induced Lanslides using Distributed Optical Fibre Strain Sensor DOFSS	Main Supervisor
2013	5.	Zaihasra Binti Abu Talib	To submit	Rainfall Infiltration Effect on Suction Distribution Behaviour in Heterogenous Residual Soil	Main Supervisor
2012	4.	Gambo Haruna Yunusa	Graduated 2012-2015	Effect of Transport Layer System on Suction Distribution For Tropical Residual Soil Slopes	Main Supervisor
2011	3.	Nader Saadatkah	Graduated 2011-2015	Spatial Temporal Regional Modeling of Local Rainfall Pattern Effect on Slopes in Hulu Kelang	Main Supervisor
	2.	Mohd Fakhurrazi Ishak	Graduated 2011-2014	Tree Water Uptake on Suction Distribution in Unsaturated Tropical Residual Soil Slope	Co-Supervisor
2008	1.	Mehrdad Kholghifard	Graduated 2008-2014	Collapse Potential and Volume Change Behaviour of Unsaturated Laterite Soil Due to	Co-Supervisor

				Suction Changes	
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M.Eng. Student – Research

Year	No.	Name	Status	Title	Roles of Supervision
2015	3.	Noor Athira Fathullah Binti Samsulbahri	To submit	Effect of Heterogeneous on Suction Distribution in Residual Soil Slope Under Local Rainfall	Main Supervisor
2014	2.	Shabena Jasmin Mohamed Yoosof	To submit	Effectiveness of Transport Layer on Suction Distribution in Tropical Residual Soil Slope Under Local Rainfall	Main Supervisor
1999	1.	Noor Azizi Yusof	Graduated 1999-2002	Development of Peak Ground Acceleration Map and Response Spectrum by Deterministic Seismic Hazard Analysis	Co- Supervisor

M.Eng. Student – Taught Course

2017	18.	Zamzarina binti Mohd Sarin	On Going	Back Analysis of Failure Slope Retaining Structure at Bandar Putra, Kulai	Main Supervisor
2016	17.	Harfizah Harudin	Graduated	Instrumentation for Monitoring The Effectiveness of Retaining Wall Design	Main Supervisor
	16.	Nur Hafizah Binti Bakar		Bored Pile Behaviour Under Reaction	
2014	15.	Nurul Nabila Mohammad Shariff	Graduated 2004-2015	Eccentrically Tilting Loaded Single Pile	Main Supervisor
	14.	Robin Liew Chit Youg		Rainfall Induced Failure of Soil Slope with tress in Gunung Pulai Johor	Main Supervisor
	13.	Nurulizuwane Mat Saruji		Primary Consolidation Settlement Analysis using Preloading Technique and Prefabricated Vertical Drain	
	12.	Okello Nelson		Modelling of Landslide Occurance in the Hilly Areas of Bududa District, Eastern Uganda	
2013	11.	Kasturi Govindasamy	Graduated 2013-2014	Comparison of Predicted and Field Values of Consolidation	Main Supervisor

				Settlement	
	10.	Gloria Paul		Back Analysis of Slope Failure Induced by Rainfall Infiltration	
	9.	Chan Jia Ying		The effect of tree-induced suction on Two-layered Slope Stability under Rainfall Infiltration	
2012	8.	Lim Kim Ong	Graduated 2012-2013	Slope Stability Analysis by using Multiple Shear Strength Model	Main Supervisor
	7.	Majid Sokhanvar		Unsaturated Shear Strength Behaviour Under Unconsolidated Undrained Test	
	6.	Maziar Foroutan		Coupling Effect of Suction Variation on Riverbank Stability	
2005	5.	Adnan Ismail	Graduated 2005-2006	<i>Pembentukan Corak Resipan Disebabkan oleh Penyusupan Hujan</i>	Main Supervisor
	4.	Marhana Abdul Latif		<i>Penentuan Kestabilan Cerun Disebabkan Penyusupan Hujan</i>	
	3.	Mohd Hazreek Zainal Abidin		<i>Pendekatan Penilaian untuk Analisis Cerun Tanah</i>	
2003	2.	Felix Ling Ngee Leh	Graduated	Simulation Analysis of Slope Stability	Main Supervisor
	1.	Mohd Irwan Pandapotan Harahap		Remedial Work for a Slope Failure at the Faculty of Mechanical Engineering UTM	

Undergraduate Student

Year	No.	Name	Status	Title	Roles of Supervision
2017	62.	Nurul Amalina Binti Mohd Nadzri	Graduated	Fitting Method for Soil Water Characteristic Curve Determination	Main Supervisor
	61.	Nurfarahin Aqiella Binti Roshizam	Graduated	Determination of Hydraulic Properties for Unsaturated Soil	Main Supervisor
2016	60.	Nur Amira Binti Mohd	Graduated	Strength Improvement of Residual Soil By using Steel	Main Supervisor

		Anuar		Fibre Additive	
	59.	Nur Syakira Binti Sanusi		Evaporation Rate of Two Layered Residual Soil Slope Under Local Rainfall	
	58.	Eric Jee Yih Chiet		Cost Analysis of Pile Selection of Foundation Works	
	57.	Zuraida Binti Zubadar		Seasonal Monsoon Effect on Residual Soil Slope Stability	
	56.	Mohd Zaidi B. Che Daud		Unsaturated Soil Slope Stability Analysis	
	55.	Mohd Faisal B. Kamaruddin		Determination of Fine Particles Effect on The Strength of Subgrad	
	54.	Adi Shahidan B. Ahmad Saufi		Cost Benefit Analysis on Selection of Foundation	
2015	53.	Noor Hayati Binti Jamaluddin	Graduated	Slope Stability Analysis on Slope Under Local Rainfall Distribution.	Main Supervisor
2014	52.	Azdzharul Hakimie B. Alwi	Grsduated	Effectiveness of Transport Layer in Residual Soil Slope Under Local Rainfall Intensities	Main Supervisor
	51.	Muhammad Izzat B. Abdul Halim		Determination of Saturated Permeability of Tropical Residual Soil By using one-dimensional an two-dimensional Permeability Test	
2013	50.	Nasrah Win Binti Abdul Rahman	Graduated	The Stability of Slope with Tree Under Different Rainfall Intensities	Main Supervisor
	49.	Siti Nur Nasuha Binti Zaidi		Behaviour of Suction Distribution under Different Rainfall Pattern.	
	48.	Nur Aqilah Binti Amir		Effect of Rain Infiltration on Factor of Safety (FOS) of Slope, With & Without Presence of Tree	
	47.	Izzuanie B. Ibrahim		Shear Strength of Unsaturated Soil Using Unconsolidated Undrained Triaxial Test Under Different Confining Pressure	
2012	46.	Roshaniza Binti Zaki	Graduated	The Effect Suction in Soil Slope with Tree on Slope Stability	Main Supervisor

	45.	Mohd Asmadi B. Awang Senik		<i>Keberkesanan Pembaikan Bahan Yang Tidak Sesuai Menggunakan Kaedah Penggantian Surcaj Bagi Pembinaan Jalan Raya</i>	
	44.	Norazlinda Binti Sabarudin		<i>Influence of Suction in Soil Slope with Tree on Slope Stability</i>	
2010	43.	Gillan Lio Siang Kwang	Graduated	<i>Analysis of Settlement and Load Transfer for Micropile in Instrumented Static Load Test</i>	Main Supervisor
	42.	Wong Kiew Hai		<i>Relationship between Rock Quality Designation and Developed Skin Friction from Instrumented Static Maintained Load Test</i>	
2004	41.	Soo Hoo Ven Chea	Graduated	<i>Rekabentuk dan Perbandingan Asas dalam Kajian Kes Sekolah Pengajian Siswazah, UTM Skudai</i>	Main Supervisor
	40.	Punes a/p Nagarajah		<i>Pengaplikasian Keadah Suntikan Hidraulik dalam Pemacuan Cerucuk konkrit Pra-Tuang di Bandar4 Nusa jaya, Johor Bahru</i>	
	39.	Ong Jit King		<i>Penggunaan Tayar Getah Sebagai Bahan Pengisi dalam Asas Rakit – Kajian Kes di Bukit Senggeh, Melaka</i>	
	38.	Norhazwani Shamir		<i>Rekabentuk Asas Dalam bagi Kajian kes di Seremban, Negeri Sembilan</i>	
	37.	Hulwani Abdul Aziz		<i>Kajian Kes: Aplikasi Cerucuk Spun di Jambatan Sungai Tupai, Taiping, Perak</i>	
	36.	Jayanthi a/p Chinapan		<i>Aplikasi Cerucuk Terjara dalam Pembinaan Jambatan Konkrit Merentasi Sg. Nyalas, Pekan Simpang Bekoh, Daerah Jasin, Melaka</i>	
	35.	Jarrod Ting Su Win		<i>Foundation Design for a Proposed Construction at Muar, Johor</i>	
	2003	34.		Amila Nasrah	

		binti Aladib		<i>Chainage 4700 hingga Chainage 5250 bagi Projek Memperelokkan Jalan Lombong, Kota Tinggi, Johor Darul Takzim</i>	Supervisor
	33.	Abd Samad Mohd Amin	Graduated	<i>Kaedah Penggantian Dinamik dan Saliran Tegak dengan Prabeban bagi Projek Jalan Johor Bahru-Pontian Pakej 3B dari CH 12975-CH 19814.33</i>	Main Supervisor
2002	32.	Rajandran a/l Suppiah Raman	Graduated	<i>Penggunaan Cerucuk Mikro di Ambulatory Care Centre, Hospital Ipoh, Perak Darul Ridzuan</i>	Main Supervisor
	31.	Zulkifli Yaakub		<i>Pengukuran Pesongan ke atas Cerucuk Bergerudi Bersebelahan sebagai Struktur Penahan</i>	Main Supervisor
	30.	Azuhaimi Abdul Kadir		<i>Analisa Kos Pembinaan Tanah bagi Projek Jalan Johor Bahru-Pontian Pakej 3B dari CH 11950-CH 12975</i>	Main Supervisor
	29.	Kwok Lee Kuan		<i>Pemantauan CBP Wall di dalam Kerja-Kerja Membaikpulih Cerun di Makmal Penyelidikan Ibnu Sina, UTM</i>	Main Supervisor
	28.	Gan Sim Keat		<i>Analisis Cerucuk Keping di Bangunan Tambahan Fakulti Kejuruteraan Mekanikal, UTM</i>	Main Supervisor
	27.	Wong Teck Zoon		<i>Analisis Cerucuk Keping Terjulur dengan Kaedah Blum's Simplified di Projek Cadangan Membina dan Menyiapkan Makmal Penyelidikan Ibnu Sina, UTM</i>	Main Supervisor
	26.	Ting Deng Ing		<i>Kerja-kerja Pembaikan ke atas Cerun di Markas PALAPES Sementara UTM</i>	Main Supervisor
	25.	Wong Kang Chean		<i>Kerja-kerja Pembaikan ke atas Cerun di Markas PALAPES Sementara UTM</i>	Main Supervisor
	24.	Thanes Waren a/l Muto Karappan		<i>Kerja-Kerja Instrumentasi untuk Pemantauan Pergerakan Tanah di Bangunan Tambahan Fakulti</i>	Main Supervisor

				<i>Kejuruteraan Mekanikal, UTM</i>	
	23.	Shahfina bt. Mohd Shah		<i>Perhubungan Antara Ujian Indek Mudah dan Ujian Kekuatan Mampatan</i>	Main Supervisor
2001	22.	Rosmaria bt. Mohd Salleh	Graduated	<i>Penyiasatan Tapak di Blok Bangunan Tambahan Fakulti Kejuruteraan Awam</i>	Main Supervisor
	21.	Hisham Mohamad		<i>Perbandingan Rekabentuk Asas Cetek bagi Kajian Kes Cadangan Membina dan Menyiapkan Bengkel Pendidikan, UTM Skudai</i>	Main Supervisor
	20.	Fazli Hisyam Ensuaruruddi		<i>Pembangunan System Berkomputer dalam Ujian-Ujian Makmal Geoteknik di Fakulti Kejuruteraan Awam, UTM</i>	Main Supervisor
	19.	W.Mohd Hilmi W. Mohammad		<i>Pengstabilan Cerun di Bangunan Tambahan Fakulti Kejuruteraan Mekanikal, UTM</i>	Main Supervisor
	18.	Hue Han Kheong		<i>Analisis Kestabilan Cerun. Kajian Kes: Kegagalan Cerun di Cadangan Tapak Pembinaan Makmal Penyelidikan di Ibnu Sina, UTM</i>	Main Supervisor
	17.	Ch'ng Wei Beng		<i>Rekabentuk Tembok Julur. Kajian Kes: Kegagalan Cerun di Cadangan Tapak Pembinaan Makmal Penyelidikan di Ibnu Sina, UTM</i>	Main Supervisor
	16.	Lim Wee Han		<i>Pembaikan Tanah dengan Kaedah Tetiang Batu. Kajian Kes di Sebuah Projek Tempatan</i>	Main Supervisor
2000	15.	Iswaran a/l Kerisnhan	Graduated	<i>Pengelasan Batuan Granit melalui Ujian Indeks Mudah</i>	Main Supervisor
	14.	Norddin Ismayatim		<i>Kelakuan Riceh Tanah Laterit Menggunakan Bahan Tambah</i>	Main Supervisor
1999	13.	Abdullah Yusoh		<i>Pengelasan Batuan Granit Berdasarkan Ujikaji Indeks Mudah</i>	Main Supervisor
	12.	Abu Supian Mohd Shafie	Graduated	<i>Pengkelasan Tanah Laterit Berdasarkan Sifat Kejuruteraan</i>	Main Supervisor

				<i>Fizikal</i>	
	11.	Che Norazman Che Wan		<i>Pengstabilan Tanah Bekas Lombong untuk Pembinaan Jalanraya. Kajian Kes Laluan Tol Simpang Pulai – KM138 Gopeng</i>	Main Supervisor
	10	Zaitun Mohd Zain		<i>Pengstabilan Kawasan Bekas Lombong sebagai Tapak Pembinaan. Kajian Kes: Pembinaan Rumah Kedai Komersial di Batu Gajah, Perak</i>	Main Supervisor
	9.	Sarimah Mat		<i>Kajian Lubang Benam Menggunakan Kaedah Mikrograviti. Kajian Kes: Kejadian Lubang Benam di Sekolah Main Convent, Jalan Sultan Idris Shah, Ipoh</i>	Main Supervisor
	8.	Shahnom Salim		<i>Kajian Kejadian Tanah Jerlus di Kampung Seri Ampang, Ipoh, Perak</i>	Main Supervisor
	7.	Mohd Azmi Zulkifli		<i>Pengstabilan Tanah Kaedah Tiang Batu. Kajian Kes di Persimpangan Kinrara Lebuhraya Shah Alam</i>	Main Supervisor
1998	6.	R. Abd. Rashid R. Mohd	Graduated	<i>Membaikpulih Jalanraya Menggunakan Kaedah Pengstabilan Kitaran</i>	Main Supervisor
	5.	Ahmad Abdul Hamid		<i>Perbandingan Nilai CBR di Tapak di antara Ujian In-Situ CBR dan Ujian Penusukan Kun Dinamik, DCP</i>	Main Supervisor
	4.	Chelliah Sellappan		<i>Kajian Keberkesanan Kos Sistem Meletak Kereta di Majlis Perbandaran Sungai Petani</i>	Main Supervisor
1997	3.	Nor Azizi Abdullah	Graduated	<i>Pengkelasan Batuan Granit Berdasarkan Ujikaji-Ujikaji Index Mudah</i>	Main Supervisor
1991	2.	Johari Yusof	Graduated	<i>Pengenalpastian Sifat-Sifat Lanjutan Tanah dan Pengenalpastian kepada Sistem Ujian Tiga Paksi Tiga Kawalan Komputer GDS</i>	Main Supervisor
	1.	Mazlan		<i>Pengenalpastian Sifat-Sifat</i>	

		Ghazali		<i>Lanjutan Tanah dan Pengenalan kepada Sistem Ujian Tiga Paksi GDS</i>	
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TOTAL GRADUATED PhD STUDENT: 2 (Main Supervisor), 2 (Co-Supervisor), 3 (On-going)

TOTAL GRADUATED MASTER STUDENT (RESEARCH): 1 (Co-Supervisor), 2 (On-going)

**TOTAL GRADUATED MASTER STUDENT (TAUGHT COURSE): 17 (Main Supervisor),
1 (On-going)**

TOTAL GRADUATED UNDERGRADUATE STUDENT: 62 (Main Supervisor)

**POSTGRADUATE EXAMINATION/CHAIRMAN/VIVA
UTM STUDENTS/VIVA**

- (1) *Examiner/Panel*, Presentation of Master of Engineering (Every semester)
- (2) *Examiner/Panel*, Presentation/Proposal Stage of PhD (Every semester)
- (3) *Chairman*, MEng Viva Panels , Syarifah Nur Atiqah (2017)
- (4) *Chairman*, MEng Viva Panels for Bhatawdekar Ramesh Murlidhar (2016)
- (5) *Chairman*, MEng Viva Panels for Wan Nur Firdaus Binti Wan Hassan (2015)

PhD EXTERNAL EXAMINER

- (1) Siti Jaharah Matlan, Universiti Kebangsaan Malaysia(2016)
- (2) Aniza Ibrahim, Universiti Kebangsaan Malaysia. (2014)

PhD INTERNAL EXAMINER

- (1) Murtala Umar, Application of Microbially Induced Calcite Precipitation in Residual Soil Improvement. (2017)
- (2) Tan Yean Chin, Performance Analysis for Vertically Loaded Pile Groups of Varying Lengths in Soft Compressible Subsoil. (2017)
- (3) Sayyed Yaghoud Zolfeghari Far, Performance of Unpaved Laterite Road Treated with Chemical Additives and Waste Tire. (2015)
- (4) Ehsan Momeni, Bearing Capacity of Thin-Wall Spread Foundation in Cohesionless Soil. (2015)
- (5) Behrouz Gordan , The Effect of Blanket Layers As Isolation and Damping System in Embankment and Dams Under Earthquake (Restricted). (2014)

- (6) Mahdy Khari, Influence of Soil Pile Interaction on Seismic Behaviour in Sandy Condition (Restricted). (2014)

MSc EXTERNAL EXAMINER

- (1) Muhamad Firdaus bin Abdullah, Universiti Tun Hussein Onn Malaysia (2017)
- (2) Muhammad Burhan Menon, Universiti Teknologi Petronas (2016)
- (3) Amera Ratia Binti Ab. Rahman. Universiti Tun Hussein Onn Malaysia (2016)
- (4) Mazlina Razali, Universiti Teknologi Mara (2014)

MSc INTERNAL EXAMINER

- (1) Lim Jee Wen, Undrained Shear Strength of overconsolidated Cohesive soil Using Modified Rowe Cell (2015)

(C) ACADEMIC ACCOLADES AND ACADEMIC LEADERSHIP

KEYNOTE/PLENARY/INVITED SPEAKER

International Level

1. **Kassim, A.** (2016). *Keynote Speaker*. Landslide Assessment in Korea and Malaysia Region with Climate Change. Green Infrastructure Technology for Climate Change, International Joint Seminar G1T4CC-CRC Joint Research. 30 November 2016. Yonsei University, Korea

National Level

1. **Kassim, A.** (2017). *Invited Speaker*. Interpretation of Site Investigation. 14-15 August. Pusat Kecemerlangan Kejuruteraan dan Teknologi JKR (CREaTE)
2. **Kassim, A.** (2017). *Invited Speaker*. Forensic Civil Engineering Colloquium, 9 August. Johor Bahru, Universiti Teknologi Malaysia
3. **Kassim, A.** (2017). *Invited Speaker*. Forensic Civil Engineering Seminar 2016, 4-5 October, 2016. Kuala Lumpur, Universiti Teknologi Malaysia

4. **Kassim, A.** (2016). *Invited Speaker*, “Kursus Pemantauan dan Penyelenggaraan Cerun”. Pusat Khidmat Kontraktor. March 2016. Hotel Pinetree, Batu Pahat, Johor
5. **Kassim, A.** (2015). *Invited Speaker*, “Kursus Pengurusan Cerun & Penyediaan Anggaran Kos”. Pusat Khidmat Kontraktor. 13 March 2015. Johor Bahru
6. **Kassim, A.** (2014). *Invited Speaker*, “Kursus Kejuruteraan Cerun”. Pusat Khidmat Kontraktor Negeri Johor. November 2014 - December 2014. Johor Bahru
7. *Forum Panel*, Seminar Pengurusan Bencana Sempena Program New Zealand Week 2013 March 2013
8. *Invited Panel*, Soal Jawab TV3. “Kejadian Tanah Runtuh Rumah Anak Yatim di Hulu Kelang”. Media Prima, May 2011, Kuala Lumpur

PROFESSIONAL BODY

International Level (*Chairman/Member/Committee*)

1. 2016: *Session Chairmain*, Conference of GEOCON 2016
2. 2016: *Editorial Member*, Geotechnical Engineering Conference, Proceeding of the Fifth Geotechnical Engineering Conference, Geotropika 99
3. 2015-2016: *Committee Member*, International Conference GEOTROPIKA 2016
4. 2015: *External Panel of Assessor*, Promotion to Associate Professor for Dr. Raghunanda, Monash University
5. 2015. *External Reviewer*, Soft Soil Engineering International Conference 2015 (SEIC 2015), 27-29 October 2015, Langkawi, Malaysia
6. 2013: *Session Chairmain*, Conference of GEOCON 2013
7. 2012-present: *Member*, Associate Asean Engineer (AAE).
8. 2003-2004: *Committee Member*, International Conference GEOTROPIKA 2004
9. 1999: *Editorial Committee*, Geotechnical Engineering Conference, Proceeding of the Fifth Geotechnical Engineering Conference, Geotropika 99
10. 1998- 1999: *Committee Member*, International Conference GEOTROPIKA 99

11. 1995- 1997: *Committee Member*, National Conference GEOTROPIKA 97
12. 1993- 1994: *Committee Member*, International Conference GEOTROPIKA 94
13. 1991- 1992: *Committee Member*, International Conference GEOTROPIKA 92
14. 1989- 1990: *Committee Member*, National Conference GEOTROPIKA 90

NATIONAL/UNIVERSITY COMMITTEE

National/University Level (*Chairman*)

1. 2002- 2004: *Chairman*, State of Johor, Special Working Committee of Geotechnical and Hidrological Assessment Study on Landslide Occurrence at Sungai Air Hitam Besar Basin & Vicinity, Gunung Pulai

National/University Level (*Member/Committee*)

1. 2016: *Central Committee Member*, *Majlis Perasmian Pembukaan Semula HLGPI Sempena Hari Hutan Antarabangsa Peringkat Negeri Johor Tahun 2016*
2. 2016-present: *Profesional Engineer with Practicing Certificate (C112651)*, Board of Engineers Malaysia (BEM)
3. 2015: *Editorial Member*, Special Edition Of Journal Teknologi (selected papers from International Conference GEOTROPIKA 2016)
4. 2015: *Committee Member*, Jabatan Perhutanan Negeri Johor, Working Committee Pembukaan Semula Hutan Lipur Gunung Pulai 1
5. 2013: *Committee Member*, Seminar Pengurusan Bencana Sempena Program New Zealand Week 2013
6. 2012: *Session Chairman*, Talk on IBS
7. 2012: *Session Chaiman*, Talk on Professional Engineer in Malaysia
8. 2012: *Panel of Evaluator*, Book “Understanding Rainfall-Induced Landslide” by Mohd Jamaludin Md Noor for Majlis Penerbitan Ilmiah Malaysia (MAPIM)
9. 2006-2016: *Profesional Engineer (12651)*, Board of Engineers Malaysia (BEM)
10. 2010-present: *Corporate Member (44118)*, Institute of Engineers Malaysia (IEM)

11. 2002-2011: *Committee Member*, State of Johor, Committee of Conservation of Gunung Pulai Environment
12. 2004: *Committee Member*, Kajian dan Pengesyoran Pembaikan Tanah Runtuh di Sepanjang Jalan ke Asrama 14,15,16 & 17, Universiti Teknologi Malaysia
13. 2002-2004: *Technical Advisory Committee*, State of Johor, Geological, Geotechnical and Hidrological Assessment Study on Landslide Occurrence at Sungai Air Hitam Besar Basin & Vicinity, Gunung Pulai, Johor
14. 2002: *Advisory Committee*, State of Johor, Special Committee of Conservation of Gunung Pulai Environment
15. 2001-2003: *Ad-Hoc Committee Member*, State of Johor, Preparation of Contingency Planning, Preparedness and Response, Division for National Security, Johor
16. 1990-present: *Graduate Member*, Board of Engineers Malaysia (BEM)
17. 1998: *Technical Advisory Member*, Operating Coordinator Committee of Slope Failure at SUN MOON Apartment Complex, Paya Terubong, Penang
18. 1996- 1997: *Committee Member*, One-Day Seminar on Pile Testing and Performance
19. 1993: *Committee Member*, Research Seminar on Civil Engineering, SEPKA'93
20. 1993: *Technical Special Committee*, Academic Lake UTM, Universiti Teknologi Malaysia
21. 1989-1990: *Committee Member*, Short Course on Design Method of Embankments and Retaining Walls-an Improvised Approach

AWARD AND HONORS

1. 1998: Commissioned as Kapten (PA) in Civil Defense Department, Malaysia
2. 1999: Commissioned as Mejar (PA) in Civil Defense Department, Malaysia
3. May 2014: Gold Medal, the Innovative Practices in Higher Education Expo 2014 (I-PHEX 2014)
4. April 2015: Best Paper Award, the 1st ICRIL-International Conference on Innovation in Science and Technology (IICIST 2015), 20th April 2015 Menara Razak, Kuala Lumpur, Universiti Teknologi Malaysia.

Paper Title: G. H. Yunusa and A. Kassim (2015). Laboratory Investigation of Drainage Cell as Transport Layer in Residual Soils

5. April 2015: Best Presenter Award, the 1st ICRIL-International Conference on Innovation in Science and Technology (IICIST 2015), 20th April 2015 Menara Razak, Kuala Lumpur, Universiti Teknologi Malaysia.
6. August 2015:
 - i) Quality Service Award, Appreciation in a Task Force Strategic Plan For Area-Undergraduate Project Accreditation/Recognition of Programmes (Faculty of Civil Engineering)
 - ii) Quality Service Award, Appreciation (Innovative Practice in Higher Education Expo 2014: Civil Engineering Exit Test) (Faculty of Civil Engineering)

**(D) SERVICE TO UNIVERSITY AND COMMUNITY & INDUSTRY
CONSULTING NETWORK**

RESOURCE PERSON (*Speaker/Facilitator/Panel*)

- (1) *Facilitator*, Competency Training on Particle Size Analysis (Sieve Analysis), Soil Laboratory, Department of Geotechnics & Transportation, Universiti Teknologi Malaysia, 4 April 2017
- (2) *Facilitator*, Competency Training on Direct Shear Test, Soil Laboratory, Department of Geotechnics & Transportation, Universiti Teknologi Malaysia, 15 February 2017
- (3) *Facilitator*, Workshop on Geostudio Application in Geotechnical Analysis, Universiti Teknologi Malaysia, November 2012
- (4) *Academic Facilitator*, Research Methodology Course, October 2012
- (5) *Invited Panel*, Soal Jawab TV3. “Kejadian Tanah Runtuh Rumah Anak Yatim di Hulu Kelang”. Media Prima, May 2011
- (6) *Speaker*, Short Course on Highway Construction, Faculty of Civil Engineering, UTM, Johor Bahru, 25-25 June 2003
- (7) *Speaker*, Briefing Session to YAB Prime Minister of Malaysia on Landslide Occurrence at Gunung Pulai, Johor, Jan. 2002
- (8) *Speaker*, Forum Workshop on Intensive Hidrology on Geological, Geotechnical and Hidrological Assessment Study on Landslide Occurrence at Gunung Pulai, Johor, Jabatan Perhutanan Negeri Johor, Mac 2002
- (9) *Speaker*, Forum on Staff Expertise, Colloquium of Department of Geotechnics & Transportation, Universiti Teknologi Malaysia, 1997

MEMORANDUM OF AGREEMENT/MEMORANDUM OF UNDERSTANDING

- (1) *Member*, Memorandum of Agreement (MOA) between Nippon Steel & Sumitomo Metal Corporation and Centre of Tropical Geoengineering (GEOTROPIK), Universiti Teknologi Malaysia (2017)

- (2) *Member*, Memorandum of Understanding (MOU) between Indonesia Geotechnical Society (HATTI) and Department of Geotechnics & Transportation, Faculty of Civil Engineering, Universiti Teknologi Malaysia (2016)
- (3) *Member*, Memorandum of Agreement (MOA) between Green Infrastructure Technology for Climate Change, Yonsei University (GIT4CC), South Korea and Universiti Teknologi Malaysia (2016)

(E) OTHERS

THESIS

1. **Kassim, A.**, Modelling of the Effect of Heterogeneities on Suction Distribution in Tropical Residual Soil, Ph.D. Thesis, Universiti teknologi Malaysia, Malaysia (2011).
2. **Kassim, A.**, The Engineering Properties of Undisturbed Highly Weathered Malaysian Granite. MPhil Thesis, Universiti Teknologi Malaysia, Malaysia (1996)

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1. **Kassim, A.** et. al. (2014). Civil Engineering Exit Test (CEET) (**All Right Reserved**) since 27 November 2014.
2. Gofar, N., **Kassim, A.** and Lee, M.L. (2008). PERISI – A Tool for Preliminary Evaluation of Rainfall-Induced Slope Instability (**All Right Reserved**) since 2 July 2008.