


Curriculum Vitae

<p>I. Personal Particulars</p> <p>Name: <u>DR. FAUZIAH AHMAD</u></p> <p>Current Position: <u>PROFESSOR</u></p>																									
<p>II. A. Academic and Professional Qualifications</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;">Year</th> <th style="text-align: center;">Degree</th> <th style="text-align: center;">Discipline</th> <th style="text-align: center;">University</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1983</td> <td>Diploma</td> <td>Civil Engineering</td> <td>Uni. Technology Malaysia, Kuala Lumpur</td> </tr> <tr> <td style="text-align: center;">1985</td> <td>B.Sc (Hons.)</td> <td>Civil Engineering</td> <td>Uni. Of Strathclyde, UK</td> </tr> <tr> <td style="text-align: center;">1989</td> <td>PhD</td> <td>Civil Engineering</td> <td>Uni. Of Strathclyde, UK</td> </tr> </tbody> </table>		Year	Degree	Discipline	University	1983	Diploma	Civil Engineering	Uni. Technology Malaysia, Kuala Lumpur	1985	B.Sc (Hons.)	Civil Engineering	Uni. Of Strathclyde, UK	1989	PhD	Civil Engineering	Uni. Of Strathclyde, UK								
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<p>B. Titles of postgraduate theses</p> <p style="margin-left: 40px;"><u>Model Studies Of Influence Of Lateral Boundary Movement On Earth Pressure</u> <u>PhD. Thesis, University of Strathclyde, Glasgow, United Kingdom(1989)</u></p>																									
<p>III. Work Experience (Please list your relevant experiences in chronological order)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;">Year</th> <th style="text-align: center;">Position</th> <th style="text-align: center;">Field of Work</th> <th style="text-align: center;">Place of Work</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">March-Sept 1983</td> <td>Technical Assistant</td> <td>Civil Engineering</td> <td>MPSP</td> </tr> <tr> <td style="text-align: center;">Jun 1989-1996</td> <td>Lecturer</td> <td>Geotechnical Engineering</td> <td>USM</td> </tr> <tr> <td style="text-align: center;">March-Oct 1991</td> <td>Research Officer</td> <td>Geotechnical Engineering</td> <td>Uni. Of Oxford, UK</td> </tr> <tr> <td style="text-align: center;">April 1997- March 2010</td> <td>Associate Professor</td> <td>Geotechnical Engineering</td> <td>USM</td> </tr> <tr> <td style="text-align: center;">April 2010-present</td> <td>Professor</td> <td>Geotechnical Engineering</td> <td>USM</td> </tr> </tbody> </table>		Year	Position	Field of Work	Place of Work	March-Sept 1983	Technical Assistant	Civil Engineering	MPSP	Jun 1989-1996	Lecturer	Geotechnical Engineering	USM	March-Oct 1991	Research Officer	Geotechnical Engineering	Uni. Of Oxford, UK	April 1997- March 2010	Associate Professor	Geotechnical Engineering	USM	April 2010-present	Professor	Geotechnical Engineering	USM
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<p>IV. Main Current Research Areas (Please list a maximum of three)</p> <p>1. <u>SLOPE STABILITY , SLOPE MONITORING and LANDSLIDE</u></p> <p>2. <u>BIO-GEOMAT AND BIO-GEOENGINEERING FOR SOIL IMPROVEMENT</u></p> <p>3. <u>SOFT SOIL ENGINEERING - SOIL CHARACTERIZATION AND ITS PROPERTIES AND STABILIZATION</u></p>																									

1.1	Penerbitan Sebagai Hasil Penyelidikan Research Publications
(a)	Buku Penyelidikan/Monograf Research Book/Monograph <ol style="list-style-type: none"> 1. F . Ahmad, (1989), Model Studies Of Influence Of Lateral Boundary Movement On Earth Pressure, PhD. Thesis, University of Strathclyde, Glasgow, United Kingdom 2. Ghani, A.N.A., Ahmad, F., Hamir, R. and Mohd, S. (2003). Strength, Compressibility and Drainage Behavior of Composite Geomaterial Developed for Application as Retaining Wall Backfill Inclusions. In Deformation Characteristics of Geomaterials. (Di Benedetto et al., ed), The Netherlands: A.A. Balkema, pp. 991-996. ISBN 90-5809-604-1. 3. F.Ahmad, R. Hamir, S. Mohd, A..S.Yahaya, (2004), Slope stability analysis using GIS techniques, Case History of urban Geo-informatics Edition, 2004, Asian Regional Committee No.10 Urban Geo-Informatics of the International Society of Soil Mechanics and Geotechnical, November 4. F. Ahmad, N. Sulaiman, L. Nordin and J. 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Hanafi Ismail, Baharin Azahari, Abdul Naser Ab Ghani, Fauziah Ahmad and Meor Othman Hamzah, (2004), Recycling of Rubber Waste, Research at Universiti Sains Malaysia, Volume 3, Environmental Management and Engineering, Penerbit USM. 8. F Ahmad and S Mohd, (2006), Slope Monitoring and Mitigation System for healthy campus of University Sains Malaysia, Case History of Urban Geoinformatics, Asian Regional Technical Committee No 10 urban Geo-informatics of the International Society of Soil Mechanics and geotechnical Engineering, Japan, August. 9. F Ahmad and S Lebai Din. (2006), Risk Assessment on landslide Hazard Zonation Map for Penang island Using GIS and Remote Sensing, Case History of Urban Geoinformatics, Asian Regional Technical Committee No 10 Urban Geo-informatics of the International Society of Soil Mechanics and geotechnical Engineering, Japan, August. 10. F Ahmad and S Mohd, (2006) Slope Monitoring and Mitigation System for healthy campus of University Sains Malaysia, Case History of Urban Geoinformatics, Asian Regional Technical Committee No 10 Urban Geo-informatics of the International Society of Soil Mechanics and geotechnical Engineering, Dalian, China, August. 11. F Ahmad and S Lebai Din. (2006) Risk Assessment on landslide Hazard Zonation Map for Penang island Using GIS and Remote Sensing, Case History of Urban Geoinformatics, Asian Regional Technical Committee No 10 Urban Geo-informatics of the International Society of Soil Mechanics and geotechnical Engineering, Dalian, China, August. 12. F Ahmad, T. A. Majid and F.M.Nazri, (2007) Seismic Hazard Analysis - Response Spectrum for Penang Soil", Case History of Urban Geoinformatics, Asian Regional Technical Committee No 10 "urban Geo-informatics" of the International Society of Soil Mechanics and geotechnical Engineering, Hanoi, Vietnam, Mac 13. Fauziah Ahmad, 2010, Inovasi Kestabilan, Pengukuhan Dan Kelestarian Cerun, Syarahan Umum, Penerbit USM 14. Ahmad Shukri Yahaya, Nor Azam Ramli, Fauziah Ahmad, Nurulilyana Sansuddin, Noor Faizah Fitri Md Yusof, 2011, Modelling And Predictions Of Air Pollutants Concentrations In Selected Cities., Penerbit USM (Universiti Sains Malaysia) 15. Fauziah Ahmad, Farshid Bateni, Mohammadreza Samadi Tavana, Ahmad Shukri Yahaya, 2011, Application of Thermoplastics in Protection of Natural Fibres. Intech Publishers 16. Fauziah Ahmad, Ahmad Shukri Yahaya, Mohd Azam Osman, Wong Poh Lee, Ahmad Badri Ismail, 2013. Development of WILMS: Well Inform Landslide Monitoring System for USM Healthy Campus, Landslide Science and Practice - Volume 2: Early Warning, Instrumentation and Monitoring, Springer, ISBN 978-3-642-31444-5, pp 549-557. 17. Ahmad Shukri Yahaya, Fauziah Ahmad, Wan Nur Aishah Meor Hussein, 2013. Environmental Risk Assessment On A Hill Site Development In Penang Malaysia, Landslide Science and Practice- Volume 6: Risk Assessment, Management and Mitigation, Springer, Berlin, Heidelberg, ISBN 978-3-642-31318-9, pp 779-784. 18. F Ahmad, 2013, Using Recycled Objects to Prevent Instability of Eroded Slope Advanced Research Initiatives, volume 2, ISBN 2231-9956, Universiti Sains Malaysia 19. Z.A.M. Hazreek, A.T.S. Azhar & M. Aziman, S. Rosli, A. Fauziah, W.D. Chitral Rese, 2015, Integral analysis of laboratory and field electrical resistivity for soil density prediction, Green Building, Materials and Civil Engineering, Kao, Sung & Chen (Eds) © 2015 Taylor & Francis Group, London, ISBN 978-1-138-02669-8 Pages 37-43 (Scopus) 20. Zainal Abidin, Mohd Hazreek, Devapriya Chitral Wijeyesekera, Rosli Saad, Fauziah Ahmad, 2013, The Influence of Soil Moisture Content and Grain Size Characteristics on its Field Electrical Resistivity, Electronic Journal of Geotechnical Engineering, EGJE, Vol 8, Oklahoma State University

	<p>21. Omar Osman, Kamarulazizi Ibrahim, Kanayathu Koshy, Fauziah Ahmad, Ahmad Shukri Yahaya, 2015. Land use and the restoration of degraded land towards sustainable development in Malaysia, Living Land, Living Land, pp184-188, UNCCD and Tudor Rose, UK.</p> <p>22. Fauziah Ahmad, Mahzan Arshad, Andanastuti Muchtar, Aminah Yusof, Zaidatun Tasir, Siti Halijah Sharif, Nawawi Seroji, Romah Jaffar, Zuhaina Zakaria, H.Mustafa, Ashinida Aladdin, Mustafa Mamat, Mariam Abd Latip, Bujang Kim Huat, Ishak Ahmad, Mohd, 2018, Laporan Pelan Halatuju Pengajian Siswazah Malaysia 2017-2025, kementerian Pendidikan Tinggi Malaysia, ISBN 978-92-95043-24-4., April 2018 dan Polisi yang digunapakai oleh KPM</p>
(b)	<p>Jurnal Journal</p> <ol style="list-style-type: none"> 1. Mahmood A, Zakaria NA, And Ahmad F, Studies On Geotextile/ Soil Interface Shear Behavior, The Electronic Journal Of Geotechnical Engineering, Vol 5-2000, ISBN 1089-3032 (IF: 0.13 – scimago) 2. A S Yahaya And F Ahmad, 2000, The Simulation Of Rare Events In A Telecommunication System: The Aloha Model – Jurnal Fakulti Teknologi Maklumat Dan Sains Kuantitatif, Uitm, Mei 3. A.Naser Abdul Ghani And Fauziah Ahmad, 2003, Shredded Scrap Tyre Block As Lighthweigth Material In Construction Works” Jurnal Of HBP, Vol.10, 27-42, 2003 4. Ahmad Shukri Yahaya, Amran Ahmed Dan Fauziah Ahmad, The Simulation Of Rare Events In A Telecommunication System, Journal Borneo Science,2003 5. Naser Abdul Ghani And Fauziah Ahmad, Rosli Hamir And Sabarudin Mohd, 2005, Engineered Strength And Compressibility of Lighthweight Geomaterial Composite For Use In Embankment And Retaining Structure Backfills, Jurnal Of Transportation Science Of Malaysia (Jtssm), Sept. 6. Ghani, ANA, Ahmad F, Hamir R, Mohd S, 2005. Development Of Pre-Engineered Geomaterial For Use In Road Embankment And Retaining Structure Backfill. Journal Of Transportation Science Society Of Malaysia. Vol. 1 2005. Issn 1823609x. Kuala Lumpur: Tssm. P 38-43. 7. Naser Abdul Ghani and Fauziah Ahmad , Scrap Tyre Based Geocomposite As Pressure Reduction Layer On Earth Retaining Structures, Journal Of Construction And Building Materials, 8. F Ahmad, A. S. Yahaya, M. A. Farooqi, 2006, Characterization And Geotechnical Properties Of Penang Residual Soils With Emphasis On Landslides, American Journal Of Environmental Science 9. H.P.S Abdul Khalil, S.B.S Shahnaz, M.M. Ratnam, F. Ahmad and N.A. Nik Fuaad (2006). Recycle Polpropylene (Rpp) – Wood Saw Dust (WSD) Composites Part 1 : The Effect Of Different Filler Size And Filler Loading On Mechanical And Water Absorption Properties, Journal Of Reinforced Plastics And Composites, Vol 25, 12, Pp. 1291 -1303. (IF: 1.786, Q2) 10. H.P.S. Abdul Khalil, S.B.S Shahnaz, M.M. Ratnam, A.M. Issam, F. Ahmad and N.A.Nik Fuaad 2006. Recycle Polpropylene (PP) – Wood Saw Dust (WSD) Composites: The Effect Of Acetylation On Mechanical And Water Absorption Properties, Mokchae Konghak, Vol 34, 2, Pp. 1-1 11. H.P.S. Abdul Khalil,Poh B.T., R. Ridzuan, R. Suriana, M.R. Said, F. Ahmad, M. Jawaid, 2009, The Effect Of Soil Burial Degradation Of Oil Palm Trunk (OPT) Fiber - Filled Recycled Polypropylene Composites, Journal Of Reinroced Plastic And Composite (IF: 0.62) 12. F Ahmad, AS Yahya, MM Ali And WNAM Hussain, SHA Hairy. 2009, Environmental Risk Assessment On Hill Site Development In Penang, Malaysia: Recommendations On Management System, Journal Of Environmental Monitoring And Assessment. 13. F Ahmad, AS Yahya, MM Ali And SHA Hairy, 2009, Evaluation For Environmental Risk Assessment Parameters Due To The Hillslope Developments In Penang Island, Journal Of Environmental Monitoring And Assessment. 14. MIP Harahap, D Jamalludin and F Ahmad, 2009, Geogrid Reinforced Earth Wall As Repair Method For Slope Failures In Pahang, Esteem Uitm Penang Penang 15. MH Osman, IS Saiful Bahri, D Jamalludin And F Ahmad, 2009, Typical Rock Stabilisation Methods For Rock Slopes Repair, Esteem Uitm Penang Penang 16. SM Salleh, AH Yussof, D Jamalludin and F Ahmad, 2009, Rock Slope Stabilisation Methods Carried Out On Rock Slope Failures In Pahang,Intelek UiTM Arau, 17. D Jamalludin, SM Salleh, A K Md Issa and F Ahmad, 2009, Repair Of Embankment Failures Using Geogrid Reinforced Earth Wall, Intelek UiTM Arau 2009 18. MM Ali, F Ahmad, AS Yahaya, EA Nowatzki, DE Myers, 2009, A Statistical Evaluation Of Collapsing Criteria And Related Parameters Of Collapsing Soils, SCIENCEASIA, Vol 35 (4). pp 372-380, Thailand's National Science & Technology Development Agency (IF) 19. Meor Othman Hamzah, Zul Fahmi Mohamed Jaafar, Fauziah Ahmad, MF Attom, M Backstrom, TH Cahill, M Adams, C Marm, LK Crouch, AR Copeland, CT Walker, RA Maxwell, GM Duncan, BM Das, BK Ferguson, LM Leming, HR Malcom, PD Tennis, C McNally, LD De Prospo, WM Rogers, M Faha, AA Rowe, M Borst, TP O'Connor, EK Stander, W Viessman, GL Lewis, H Yang, H Rahardjo, EC Leong, 2009, Behavior of unsaturated layered soil columns during infiltration, Journal of Applied Science, Vol 11(20), pp 61-72, orgz 20. Fauziah Ahmad, Mohammad Tabaroki And Roodabeh Banaki, 2010, Discussion Of Evaluation Of Interslice Force Function And Discussion On Convergence In Slope Stability Analysis By The Lower Bound Method By Y. M. Cheng, Z. H. Zhao, And Y. J. Sun , Journal of Geotechnical and

- Geoenvironmental Engineering - ASCE , 2011, Vol. 136, No. 8, Pp. 1103-1113. (IF: 2.701, Q2)
21. **Fauziah Ahmad**, Farshid Bateni, Mastura Azmi, 2010, Performance Evaluation of Silty Sand Reinforced With Fibres, Geotextiles and Geomembranes, Vol. 28No. 1. pp 93-99, Elsevier (IF 3.972, Q1)
 22. Harris Ramli, Mastura Azmi, **F Ahmad**, MM Ali, 2010, Effect Of Municipal Solid Waste Composition On Permeability, Advances in Environmental Geotechnics. Pp. 596-601, Springer, Berlin, Heidelberg (chapter in a book / conference paper)
 23. **F Ahmad**, A Yahaya, MM Ali, WNAM Hussain, 2010, Environmental Risk Assessment on Hill Site Development in Penang, Malaysia: Recommendations on Management System, European Journal of Scientific Research, ISSN 1450-216X, Vol.40 No.3 (2010), pp.318-340 © EuroJournals Publishing, Inc. (IF: 0.713)
 24. **Ahmad F**, Yahaya AS, Ali MM, and Hairy SHA, 2010, Evaluation of Environmental Risk Assessment Parameters Due to Hillslope Developments in Penang Island, Malaysia, Human and Ecological Risk Assessment: An International Journal, Vol 16 (5), pp 1007-1025, Taylor & Francis Group (IF 2.012, Q3)
 25. A Safari, **F Ahmad** and A.S. Yahya, 2011, A Comparison Study On The Tensile Strength Of Fiberglass And Scrap Tire Strips, World Applied Sciences Journal 15 (4): 483-489, 2011 ISSN 1818-4952 © IDOSI Publications (IF: 0.156 scimago)
 26. Morteza Jamshidi, Taksiah A. Majid, Norazura M. Bunnoriand, Amir Darvishi, AA Adedeji, SP Ige, BJ Alsulayfani, TE Saaed, GG Amiri, HH Jamnani, B Mohebi, A Astaneh-Asl, KM McMullin, A Bagherzadeh, B Ferdowsi, H Bahrami, I Buckle, M Bruneau, M Dicleli, M Bruneau, M Sarraf, SM Zahrai, F Alfawakhiri, L Carden, A Itani, LP Carden, IG Buckle, LP Carden, F Garcia-Alvarez, LP Carden, AM Itani, OC Celik, M Bruneau, M Dicleli, M Bruneau, M Dicleli, M Bruneau, M Dicleli, M Bruneau, M Dicleli, M Bruneau, O El-Kafrawy, A Bagchi, A Faisal, TA Majid, **F Ahmad**, F Tongkul, SM Sari, AM Itani, M Bruneau, M Jamshidi, TA Majid, A Darvishi, M Jamshidi, TA Majid, A Darvishi, AE Ramaji, TA Majid, WMAW Hussin, SS Zaini, A Faisal, ZM Wong, AMM Nadhim, MF Nezamabadi, AS Moghadam, M Hosseini, JE Padgett, MA Saadeghvaziri, A Yazdani-Motlagh, M Sasan, S Mohammadsadegh, M Shinozuka, A Shamshad, MA Bawadi, WMAW Hussin, AM Taksiah, SM Zahrai, M Bruneau, SM Zahrai, M Bruneau, SM Zahrai, M Bruneau, 2011, Ductile end-diaphragms for seismic retrofit of slab-on-girder steel bridges, Journal of Applied Science Vol 7(12), 426-437. ORGZ
 27. Donovan Mujah, **Fauziah Ahmad** And Hamid Safari, 2011, Assessing The Potential Reuse Of Recycled Glass Fibre In Problematic Soil Applications", Journal Of Cleaner Production , Volume 35, Pages 102–107 (IF: 1.62, Q1 scimago)
 28. Ahmad Shukri Yahaya, Nor Azam Ramli, **F Ahmad**, NM Nor, MNH Bahrim, 2011, Determination of the best imputation technique for estimating missing values when fitting the weibull distribution, Journal of Applied Science Technology, Vol 1 (6), pp 278-285,
 29. **Ahmad F**, Yahaya AS, Ali MM, and Hairy SHA, 2011, Qualitative Risk Assessment Schemes Using Selected Parameters For Hill Slope Developments: A Case Study Of Penang Island, Landslides, Vol9 , Issue 1, 63-74 (IF: 4.252, Q1)
 30. Ade Faisal, Taksiah A.Majid, **Fauziah Ahmad**, Felix Tongkol And Syafrina Mayang Sari, 2011, Influence Of Large Dam On Seismic Hazard In Low Seismic Region Of Ulu Pedas Ares, Nothern Borneo, Natural Hazards, Vol 51(1),pg 237-269, Springer Netherlands (IF 2.319, Q2)
 31. Ali MM, Ahmad F, Yahaya AS And Farooqi MA, 2011, Characterization And Hazard Study Of Two Areas Of Penang Island, Malaysia, Human And Ecological Risk Assessment, Vol 17 Issue 5, 915-922 (IF: 2.012, Q3)
 32. MM Ali, **F Ahmad**, AS Yahaya, MA Farooqi, 2011, Characterization and Hazard Study of Two Areas of Penang Island, Malaysia , Human and Ecological Risk Assessment: An International Journal, Vol 17 (4), pp 915-922, Taylor & Francis Group (IF 2.012, Q3)
 33. Abedini M, Md Said and **Ahmad F**, 2011, Effectiveness Of Check Dams For Soil Erosion Control In Ulu Kinta Catchment, Hydrology Process Journal, (Scopus) (IF: 1.42, Q1 scimago)
 34. Meor Othman Hamzah, Zul Fahmi Mohamed Jaafar And **Fauziah Ahmad**, 2011, Laboratory Assessment Of Water Flow Simulator For Porous Parking Lot Reservoiur And Soil Layers, Journal Of Applied Science, Vol 11(20), pp 3462-3473, ISSN 1812 5654, Asian Netwrok for Scientic Information (Scopus)
 35. Farshid Bateni, **Fauziah Ahmad**, Ahmad Shukri Yahya, Mastura Azmi, 2011, Performance Of Oil Palm Empty Fruit Bunch Fibres Coated With Acrylonitrile Butadiene Styrene, Construction And Building Materials, Vol 25(4) 1824-1829 (IF 2.30)
 36. Mandana Abedini, Md Azlin Md Said and **Fauziah Ahmad**, 2012, Effectiveness Of Check Dam To Control Soil Erosion In A Tropical Catchment (The Ulu Kinta Basin), Catena, Vol97, 63-70 (IF1.881)
 37. Ahmad Shukri Yahaya, Norlida Md. Nor, Nor Rohashikin Mat Jali, Nor Azam Ramli, **Fauziah Ahmad** and Ahmad Zia Ul-Saufie, 2012, Determination Of The Probability Plotting Position For Type I Extreme Value Distribution, Journal Of Applied Sciences, Vol 12, 1501-1506 (IF: 0.22 Q2 scimago)
 38. Mandana Abedini, Md Azlin Md Said and **Fauziah Ahmad**, 2012, Clustering Approach On Land Use Land Cover Classification Of Landsat Tm Over Ulu Kinta Catchment, World Applied Sciences Journal, Vol 17, 809-817(Scopus 2011-2014)
 39. Hock Lye Koh, Su Yean Teh, Taksiah A. Majid, Tze Liang Lau, **Fauziah Ahmad**, 2012, Earthquake And Tsunami Research In Usm: The Role Of Disaster Research Nexus, Pertanika Journal Of Science And Technology, Vol20, 151-163, (IF: 0.13 Q4 scimago)
 40. Meor Othman Hamzah, Zul Fahmi Mohamed Jaafar And **Fauziah Ahmad**, 2012, Laboratory Assessment Of Water Flow Simulator For Porous Parking Lots Systems, World Applied Sciences Journal, Vol 16 (5), 748, IDIOSI Publication (Scopus 2011-2014)

41. Donovan Mujah, **Fauziah Ahmad**, Hemanta Hazarika And Naoto Watanabe, 2012, Numerical Analysis Of The Multirow Arrangement Of Small Diameter Steel Piles For Landslide Prevention, International Journal Of Current Engineering And Technology, (IF1.274) (not listed in scopus)
42. Hemanta Hazarika, Donovan Mujah, Naoto Watanabe, **Fauziah Ahmad**, Noriyuki Yasufuku, 2012, Numerical Analysis Of Sand Reinforced With Small Diameter Model Steel Piles, 5th Asian Regional Conference on Geosynthetics of Geosynthetics Asia 2012: Geosynthetics for Sustainable Adaptation to Climate Change, GA 2012, pg 653-658 Asian Center for Soil Improvement and Geosynthetics
43. **Fauziah Ahmad**, Donovan Mujah, Hemanta Hazarika And Aboufazi Safari, 2012, Assessing The Potential Reuse Of Recycled Glass Fibre In Problematic Soil Applications, Journal Of Cleaner Production, Vol 35, pg 102-107(IF3.398) (IF6.395,Q1)
44. Donovan Mujah, Fauziah Ahmad, Hemanta Hazarika And Aboufazi Safari, 2012, Evaluation Of Recycled Glass Fibers- Derived Three Dimensional Geomaterial For Ground Improvement, Journal Of Cleaner Production, Volume 52, Pages 495-503 (IF 3.84) (IF6.395,Q1)
45. **Fauziah Ahmad**, Mohammad Tabaroki And Roodabeh Banaki, 2012, Discussion Of Evaluation Of Interslice Force Function And Discussion On Convergence In Slope Stability Analysis By The Lower Bound Method By Y. M. Cheng, Z. H. Zhao, and Y.J. Sun, Journal Of Geotechnical And Geoenvironmental Engineering, Vol 138, Issue 4 (IF1.60) (IF2.701, Q2)
46. **Fauziah Ahmad**, Md Azlin Md Said And Lamyaa Najah, 2012, Effect Of Leaching And Gypsum Content On Properties Of Gypseous Soil, International Journal Of Scientific And Research Publications, Vol 2 Issue 9 (IF 2.07)
47. Khalil HPS, Abdul Amouzgar P, Jawaid M, Hassan A, **Ahmad F**, Hadiyana A, Dungani, Rudi, 2012, New Approach to Oil Palm Trunk Core Lumber Material Properties Enhancement Via Resin Impregnation, Journal Of Biobased Materials And Bioenergy, Vol 6index , 299-308 (IF 2.993, Q1)
48. Mohd Hazreek Zainal Abidin, Devapriya Chitral Wijeyesekera, **Fauziah Ahmad**, Rosli Saad, Mohamad Faizal Tajul Baharuddin, 2013, Correlation Of Soil Box Resistivity Test On A Different Moisture Content And Density For Silty Sand And Gravelly Sand, Information Engineering Letters, Volume 3, Issue 2, Pages 1, Information Engineering Research Institute, USA
49. D Mujah, H Hazarika, **F Ahmad**, Ekhlaur Rahman, 2013, Evaluation Of The Mechanical Properties Of Recycled, 2013. Evaluation of fiberglass derived three dimensional geomaterial for problematic soil applications, in Hossain, Z. and Shahin, S. (ed), Geotechnique, Construction Materials and Environment, Nov 13-15 2013, pp. 148-153. GEOMATE International Society.
50. D Mujah, E Rahman, H Hazarika, N Watanbe, **F Ahmad**, Ekhlaur Rahman, 2013, Deflection Behavior Of Small Diameter Steel Piles Model In FEM Analysis For Landslide Countermeasure, 8th CUTSE International Conference, Curtin Research Publication
51. Mohd Hazreek Zainalabidin, Rosli Saad, Devapriya Chitral Wijeyesekera, **Fauziah Ahmad**, 2013, Soil Resistivity Influence due to the Different Utilization of Ekctrical Resistivity Array, Electronic Journal of Geotechnical Engineering, EGJE, Vol 8, Oklahoma State University. (IF: 0.131 scimago)
52. Mandana Abedini, Md Azlin Md Said, **Fauziah Ahmad**, 2013, Integration Of Statistical And Spatial Method For Distributing Precipitation In Tropical Area, Hydrology Research, Vol 44 (6), 982- 994, IWA Publishing (IF 2.475, Q2)
53. MO Hamzah, ZFM Jaafar, **F Ahmad**, 2013, Laboratory Simulation Of Porous Asphalt Parking Lot System And Mix Design For Storm Water Management, Journal Of Engineering Science And Technology, Vol 8, No 2 , 217-232, School of Engineering, Taylor's University (IF: 0.23 scimago)
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55. Chee Ming Chan; Kok Hoe Pun, **Ahmad Fauziah**, 2013, A Fundamental Parametric Study On The Solidification Of Malaysian Dredged Marine Soils., World Applied Sciences Journal, Vol. 24 Issue 6, 784-793. 10p. IDOSI Publications. (Scopus 2011-2014)
56. Mohammad Tabaroki, **Fauziah Ahmad**, Roodabeh Banaki, Sanjay K. Jha, And Jianye Ching, M.Asce, 2013, Determining The Factors Of Safety Of Spatial Variable Slopes Modeled By Random Fields, Journal Of Geotechnical And Geoenvironmental Engineering, 2013, Vol. 139(12), Pages 2082- 2095. (IF: 2.701, Q2)
57. Younes Bagheri, **Fauziah Ahmad**, Mohd Ashraf Mohamad Ismail, 2013, Strength And Mechanical Behavior Of Soil- Cement-Lime-Rice Husk Ash (Soil-Clr) Mixture, Materials And Structures, Vol. 47, Issue 1, 55-66. Springer Netherlands (IF: 2.58, Q2)
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 43. M F Jawawi, **F Ahmad** and M R Selamat, 2006, The Use of Cold in Place Recycling Cement Stabilized Method along jalan Sibul to Bintulu Sarawak, Civil Engineering Colloquium 2006, School of Civil Engineering
 44. **F Ahmad** and S Mohd, 2006, Slope Monitoring System for Healthy Campus of university Sains Malaysia, Proceedings International Civil Engineering Education Congress 2006 (ICEEC 2006) and the 7th National Civil Engineering Education Congress 2006 (7th NCEEC), Manila, Philippine.
 45. **F Ahmad** and A.S. Yahaya, 2007, Slope Monitoring and Mitigation System for Healthy Campus of university Sains Malaysia, 6th ISEIS International Conference on Environmental Informatics, Bangkok, Thailand, November 21-23,
 46. **F Ahmad**, A.S. Yahaya and M.A. Farooqi, 2007, Distribution of SPT N-Values on Residual Soils for North

- Penang Pluton, Malaysia”, World Engineering Congress 2007, Penang, Malaysia, 5-9 August
47. **F Ahmad**, 2007, Slope Monitoring System for Healthy Campus of University Sains Malaysia”, Proceeding of 28th Asian Conference on Remote Sensing (ACRS 2007), 12-16 Nov 2007, Kuala Lumpur , Malaysia
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 62. D Mujah, **F Ahmad**, H Hazarika, K Omine, T Kobayashi, 2011, Evaluation Of Fiberglass As Ground Improving Geomaterial, Proceedings of the 10th Japan-Korea-France-Canada Joint Seminar on Geoenvironmental Engineering, pp. 189-194. Japan
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 68. **F Ahmad** (Invited Speaker), AS Yahaya, M Azmi, N Mustaza, 2018, Penang, Auckland University, The Auckland University and Japanese Geotechnical Society, International Conference on GIS and Geoinformation Zoning for Disaster Mitigation (GIZ2018)
 69. **F Ahmad** (Invited Speaker), AS Yahaya, M Azmi, N Mustaza, 2019, Slope Failure Due To Effect Damrey Typhoon In Penang Island , Soil Mapping Of Slope Failure Due To Rainfall At USM Hostels
 70. N Samsudin, NM Muztaza, MT Zakaria, TO Adeeko, **F Ahmad** and MH Arifin, 2020, Utilizing Geophysical Methods For Geothermal Exploration, First Himalayan Engineering Geological Congress (HEGC-I), Kathmandu, Nepal , May
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	<p>22. M F Jawawi, F Ahmad, M R Selamat, 2006, The Use of Cold in Place Recycling Cement Stabilized Method Along jalan Sibu to Bintulu Sarawak”, Civil Engineering Colloquium 2006, School of civil Engineering</p> <p>23. F Ahmad, T. A. Majid and F.M.Nazri, 2007, Seismic Hazard Analysis - Response Spectrum of Accelerations for Penang Soil’ Persidangan Kebangsaan Kejuruteraan Awam (AWAM07), Langkawi, 29-31 Mei,2007</p> <p>24. Mastura Azmi, Fauziah Ahmad and Nor Azimah Che Azmi, 2007, The Usage Of Biogeotechnical Method In Improving The Quality Of Soil” Persidangan Kebangsaan Keempat Kejuruteraan Awam (AWAM 2007), 29-31 Mei 2007, hotel Helang, Langkawi, Kedah</p>
(d)	<p>Paten / Pendaftaran Rekabentuk / Akta Rekabentuk Industri / Jenama Patent / Design Registration / Industrial Design Act / Trademark</p> <ol style="list-style-type: none"> 1. Patent Pending : USlopeM, 2014 (IP) 2. Trademark., USlopeM 2015 3. Copyright, USlopeM2015 4. Patent Pending: 8Mat System, (IP) PI 20095073, 2015 5. Patent: Geopolymerization For Soil Stabilization Application,PI 2013701225, 2015
1.3	<p>Geran Penyelidikan Research Grant Sila nyatakan tajuk projek, badan tajaan, jumlah, senarai penyelidik dan tarikh/tempoh. <i>Please list project title, sponsoring bodies, amount, list of researchers and date/duration.</i></p>
(a)	<p>(i) Sebagai Ketua Geran Penyelidikan (program/projek) As Head of Research Grant (programme/project)</p> <p>International Grants</p> <p>Project Head.</p> <ol style="list-style-type: none"> 1. Stability of Road Embankment, ODA Cell No 7 (RM100,000- inclusive of traveling expenses and RM5,000 launching Grant, PM Dr. Fauziah Ahmad, PM Ir. Hashim Daud and PM Dr.Rosli Hamir,1990-1995 2. The Design And Construction of A Public Utility Tunnel In The City of Makkah Al-Mukarammah-Proposal For Feasibility Study, (USM-UQU, RM300,000)PM Fauziah Ahmad, PM Ahmad Shukri Yahaya, PM Nik Fuaad, Dr. Mohd Rodzi ismail. 2009-2010 3. Community Slope Safe : Malaysian Field Trial”, The Engineering And Physical Science Research Council Loughborough University (EPSRC, LU), RM29,670.00, 1/10/2016-31/5/2017 <p>Co-researcher.</p> <ol style="list-style-type: none"> 4. The One-Dimensional Subsidence Behaviour Of Dredged Marine Soil Reused In Nearshore Reclamation Works,Look East Policy By Ministry Of Education, RM227,000.00, 01/01/2015-31/05/2017 5. Evaluation of Women Facilities in Hajj” USM-UQU,PM Nik Nurulaini Nik mahmod, PM Fauziah Ahmad,PM Ahmad Shukri Yahaya, PM Munirah ghazalli, Dr Noraida Abdul ghani, Norliza Karia, Hasmi et al (2006-2008) 6. Hajj Mobilities, USM-UQU, KPT, PM Ahmad Farhan Saadullah, PM Meor Othman Hamzah, PM Fauziah Ahmad etc., 2010 7. Simulation Study Of Al-Halam At Rawaq Area, USM-UQU, KPT ,(Dr Fazilah Haron, PM Fauziah Ahmad, PM Ahmad Shukri yahaya and ot <p>National Grants</p> <p>Project Head</p> <ol style="list-style-type: none"> 1. Studies Of Soil Properties Using Latest Techniques For Laboratory And On Site, IRPA RM6(80-07-06-28), RM69,000, PM Fauziah Ahmad, PM Ir. Hashim Daud, 1993-95 2. Slope Stability Studies Using GIS And Remote Sensing, IRPA RM7 (063332), RM173,000, 1990-2002, PM Fauziah Ahmad, PM Rosli Hamir, PM Razip Selamat, PM Sabarudin Mohd, PM Md. Azlin Md. Said, Ahmad Shukri Yahaya, 1990-2002 3. Research Collaboration Between USM-MACRES “ Penang GeoSMART”, 2003-PRESENT (Project Leader)

4. Soil Characterization On Extreme Environmental Condition **FRGS** RM151,200.00, PM Fauziah Ahmad, PMAhmad Shukri Yahaya, Mastura Azmi, 2007-2009
5. Intelligent Slope monitoring and mitigation System using Latest Advanced ICT Technology, **Sciencefund, MOSTI** (Project Leader) RM169,900.00, 2007-2009
6. Soil Resisitivity Study – Soil Investigation Work Collaboration with **TNB Research Sdn Bhd**, 2007-2009 (Contract Research: RM62,000) 2007-2009
7. Application of Razaksat Data for Risk and Landslide Mapping, Program Razaksat Research on Announcement of Opportunity, **MACRES**, (RM58,000) 2009
8. Low Cost Bio-Geomat For Erosion Control , **FRGS**, KEMENTERIAN SAINS, TEKNOLOGI DAN INOVASI , RM220,600.00, 1/9/2007- 28/2/2010
9. Advancement Of The Best Waste Management Practice In The Northern Corridor Economic Region (NCER) , **USM (RU)** , RM1,000,000.00, Ismail Bin Abustan , 5/12/2007-4/8/2011 (as Head of Project)
10. Landslide Risk Assessment Model, Mitigation And Information Management - ICT Management In Landslide Hazard – Management, Information Dissemination And Policy , **USM (RU)** , RM999,999.00, Habibah Binti Lateh , 1/11/2007-31/12/2010 (as Head of Project)
11. Intelligent Slope monitoring and mitigation System using Latest Advanced ICT Technology, **Sciencefund , MOSTI**, -RM26708, 20/9/2007 - 31/7/2010
12. Penang Island Soil Characterization with emphasis on landslide, RM18250, 1/1/2008 - 31/12/2010
13. Soil Characterization on Extreme Environmental Condition , **ERGS**, KEMENTERIAN PENGAJIAN TINGGI , RM60,000.00, 15/10/2007- 15/10/2010
14. Application of RazakSat Data for Risk and Landslide Mapping , **AGENSI REMOTE SENSING MALAYSIA** , RM23,200.00, 1/9/2009- 31/8/2010
15. GEOTECHNICAL ASSESSMENT FOR **SEBERANG PERAI POWER PLANT**, RM21230.00, 2/1/2012 - 30/11/2012
16. Metaheuristic Optimization Algorithms In Slope Stability Analysis Based On A Hybrid Limit Equilibrium-Finite Element Method , **USM (RU)** , RM131,500.00, 15/7/2012-14/7/2015
17. Studies on Georisk and Vulnerability effect due to climate change. , **FRGS**, KEMENTERIAN PENGAJIAN TINGGI, RM76,000.00, 1/6/2013- 31/5/2016
18. 8 Mat System for Soil Erosion and Slope Protection Technique , **PRGS**, KEMENTERIAN PENGAJIAN TINGGI , RM238,000.00, 1/8/2013- 31/1/2016
19. PEMBANGUNAN PELAN HALATUJU PENGAJIAN SISWAZAH MALAYSIA 2016-2025 , KEMENTERIAN PENDIDIKAN MALAYSIA (**GERAN HEPS** Head of Program) , RM60,000.00, 15/9/2015-15/2/2017
20. MRUN-GREEN SENSORS FOR LANDSLIDE EARLY WARNING SYSTEM, **MRUN**, KEMENTERIAN PENGAJIAN TINGGI , RM0.00, 01/09/2019-31/08/2022
21. Investigation on the effect of interfacial and bonding interaction on antifouling property of POFA modified plastering cement, **FRGS**, KEMENTERIAN PENDIDIKAN MALAYSIA , RM105,600.00, 01/09/2019-31/08/2021
22. REAL-TIMETUNNEL LINING STRUCTURAL HEALTH MONITORING (SHM) SYSTEM, **Collaborative Research Grant CRG**, UNIVERSITI TEKNOLOGI MALAYSIA , RM40,000.00, 01/11/2019-31/10/2021

Co-researcher

23. Degradation Of Munciple Solid Waste In Properly Design Landfill With Local Condition, **IRPA RM7**, Dr. Dini Hassan Basri, PM Faridah Abu Hassan Ashaari, Pm Hamidi Abdul Aziz, PM Fauziah Ahmad, 1996-1998
24. Development of Low Cost Slope Stabilization Sysytem, **IRPA RM7(063335)**, RM 157,000, PM Rosli Hamir, PM Sabarudin Mohd, PM Fauziah Ahmad, PM Razip Selamat, 1990-2002
25. Modelling and predictions of air pollutant concentrations in selecteed cities of Malaysia **Scinecefund, MOSTI**(Penyelidik bersama)RM241,734.00, 2006-2009, PM Ahmad Shukri, Dr Norazam, PM Fauziah Ahmad
26. Low Cost fibre Optic Developement for Lanslide, **Sciencefund, MOSTI**(Penyelidik bersama)RM 180,000., 2006-2009, PM Mahfazoor, Pm Othman Side, Pm Fauziah Ahmad
27. The understanding of Stabilization Characteristics of Rice Husk Ash (RHA) with soil **FRGS**, KPT (RM 80,000), 2007-2008, Mastura Azmi and PM Fauziah Ahmad
28. Performance Measures Characteristics for problems of fitting distributions in Air Pollution Modelling, **FRGS**, KPT(RM50,000) Pm Ahmad Shukri Yahaya, PM Fauziah Ahmad, Dr Norazam Ramli
29. The Understanding of Stabilization Characteristics of Rice Husk Ash (RHA) and Additives with Soil , **FRGS**, KEMENTERIAN PENGAJIAN TINGGI , RM80,000.00, Mastura Binti Azmi , 15/10/2007- 15/10/2010
30. Performance Measures Characteristics for Problems of Fitting Distributions in air Pollution Modelling , **FRGS**, KEMENTERIAN PENGAJIAN TINGGI , RM50,000.00, Ahmad Shukri Bin Yahaya, 15/10/2007-15/10/2010
31. Proposal On Reengineering Of Agricultural Praticce For The Improvement Of Padi Fields Farmers' Income In Nothern Corridor Economic Region , **USM (RU)** , RM858,900.00, Hamidi Bin Abdul Aziz @ Abdul Rahman , 10/10/2007-9/6/2011 (as Head od Group)
32. Geotechnical Properties and Characteristic od Solid Waste and Its Potential in Engineering Reused , **USM (JANGKA PENDEK)** , RM38,274.00, Muhd Harris Bin Ramli , 15/2/2010-14/2/2012
33. Kinta Valley Karst system: geologic functioning and development of the karst terrains , **FRGS**,

- KEMENTERIAN PENGAJIAN TINGGI , RM52,500.00, Hareyani Binti Zabidi , 1/5/2010-30/4/2012
34. Mineralogical And Textural Characteristics Studies of Ion- Adsorption Rich Type Mineralization And Heavily Deformed Granite In Estimating The Excavatability Of Titiwangsa Main Range Sensitive Zone , **FRGS**, KEMENTERIAN PENGAJIAN TINGGI , RM100,000.00, Hareyani Binti Zabidi , 1/8/2011-31/7/2013
 35. Geological Features and Geotechnical Impact on Tunneling Projects Across Geotectonically Sensitive Boundary Zone of Titiwangsa Mains Range, Malaysia , **FRGS**, KEMENTERIAN PENGAJIAN TINGGI , RM143,200.00, Hareyani Binti Zabidi , 15/8/2011-14/8/2013
 36. Study on the Potential of Bottom Ash as a Supplementary Cementitious Material for Concrete , **USM (JANGKA PENDEK)** , RM34,000.00, Ali Huddin Bin Ibrahim , 1/6/2013-30/11/2015
 37. Evaluation Of Real Time Pore Water Pressure Distribution For Stability Analysis In Unsaturated Soil Slopes , **USM (RU)** , RM187,100.00, Mohd Ashraf Bin Mohamad Ismail , 1/12/2013- 31/5/2016
 38. Study On Engineering Behaviour Of Soft Rocks From Hulu Jelai Hydroelectric Dam Project, Cameron Highland, Pahang , **USM (RU)**, RM138,000.00, Hareyani Binti Zabidi , 31/12/2014-31/12/2016
 39. The Mechanisms Of Rainfall-Induced Landslides With Unsaturated Soil Layer , **USM (RU)** , RM95,000.00, Mastura Binti Azmi, 31/12/2014-31/12/2016
 40. Light Non-Aqueous Phase Liquids Migration In The Unsaturated And Saturated Zone Due To Rainfall , **USM (RU)** , RM185,210.00, Muhd Harris Bin Ramli , 1/3/2015-28/2/2017
 41. Development of Sustainable Engineered Artificial Land (SEAL) using dredged marinesediments from malaysia waters, **RACE**, MOSTI,357000, 1/7/2014 - 31/12/2016
 42. The one-dimensional subsidence behaviour of dredged marine soil reused in near-shore reclamation works, **Look East Policy** by Ministry of Education,227000, 1/1/2015 - 31/5/2017
 43. A novel tilt sensor using moire effect for slope movement remote sensing application , **FRGS**, KEMENTERIAN PENGAJIAN TINGGI , RM108,500.00, Mani Maran A/I Ratnam , 1/6/2013-31/5/2016
 44. Conduits Network and Karstic Evolution Study of Limestone Formation in Granitic Intrusion Boundary/Aureole and Fault Zones, **FRGS**, KEMENTERIAN PENGAJIAN TINGGI, RM85,200.00, Hareyani Binti Zabidi , 1/8/2016-31/7/2018
 45. The Evaluation of Groundwater Contamination by Light Non-Aqueous Phase Liquids due to Groundwater Fluctuation Caused by Rainfall Infiltration, **FRGS**, KEMENTERIAN PENDIDIKAN MALAYSIA , RM112,000.00, 01/01/2019-31/12/2021
 46. MRUN INTELLIGENT GREEN ENERGY LANSLIDE REAL-TIME ALERTING SYSTEM IN THE TROPICS , **MRUN**, KEMENTERIAN PENGAJIAN TINGGI, 2019-2022
 47. Hydrogeochemical Evolution Study of Karstified Conduit Network in Ordovician □ Devonian Carbonitic Rocks of Peninsular Malaysia, **FRGS**, KEMENTERIAN PENDIDIKAN MALAYSIA, 2019-2022

University Grants

Project Leader

1. Slope Monitoring for USM Hostel (**Healthy Campus Program**), RM250,000.00 (Project Leader)
2. Penang Island Soil Characterization with emphasis on landslide and formulation of Stochastic Models to estimate design soil properties, (**USM Short Term Grant**) RM 18,250.00 (Project Leader)
3. Alert System And Mitigation Measures For Hillslope Hazard (**USM Short Term Grant**), RM17,000.00,(Project Leader)
4. Proposal on Reengineering of Agriculture Practices for Improvement of padi Field Farmers' Income in northern Corridor Economic Region (NCER),**RU**,RM858,900.00: Deputy Leader and project Leader for Infrastructure projects
5. Advancement of the Best Waste Management Practices in the Northern Corridor Economic Region (NCER), Waste Management Cluster, **RU**, (RM1.8m) Group Leader for Environmental Rehabilitation and Remediation
6. Geohazard research and Mitigation, **RU**, (RM1m) Group Leader for Development of a Quantitative Risk Assessment Model for Landslides in Malaysia
7. Preparedness and Respond Between Communities at Landsides Prone Area with Monitoring and without Monitoring System, **USM (RUI)**

Co-researcher

1. Determination Of Soil-Structure Interaction Behaviour Within Soft Soil Medium (**USM Short Term Grant**), RM8,000.00, (Co-Researcher)2004-2005, PM Sabarudin Mohd, Pm Fauziah Ahmad
2. Soil Classification Using Rice Husk Ash and Lime as Additives, **USM Short Term**,(RM 18,000). Mastura Azmi and PM Fauziah Ahmad,2007-2009
3. Light Non-Aqueous Phase Liquids Migration In The Unsaturated And Saturated Zone Due To Rainfall, **USM Short Term**
4. Study on Engineering Behaviour Of Soft Rocks From Hulu Jelai Hydroelectric Dam Project, Cameron Highland, Pahang, **USM Short Term**

**2.0 PENGAJARAN DAN PENYELIAAN
TEACHING AND SUPERVISION**

(a) **Pengajaran Pra Siswazah / Siswazah**

	Course Title	level	Sem	year	No. of lecturers involved	No. of students per course			
1.	1 1 MEKANIK TANAH (EAG245)	UG	1	2009,2010	4	80			
			1	2010,2011	3	80			
			1	2011,2012	4	80			
			1	2012/2013	3	80			
			1	2013/2014	5	74			
			1	2014/2015	4	120			
			1	2015/2016	4	120			
			1	2016/2017	4	120			
			2.	1 REKABENTUK GEOTEKNIK (EAG346),	UG	1	2009,2010	4	80
						1	2010,2011	3	80
						1	2011,2012	3	80
						1	2012/2013	3	80
						1	2013/2014	3	80
						1	2015/2016	3	88
1	2016/2017								
1	2017/2018	3				66			
3.	TEKNIK BERFIKIR (EUT201)	UG	2	2010/2011	10	400			
			4.	MAKMAL KEJURUTERAAN HIDRAULIK, GEOTEKNIK DAN PERSEKITARAN (EAA305)	UG	2	2010/2011	3	80
5.	ANALISIS GEOTEKNIK (EAG345)	UG				2	2010/2011	4	80
						2	2012,2013	3	80
						2	2013/2014	3	80
						2	2014/2015	4	75
						2	2016/2017	3	80
						2	2017/2018	3	80
						2	2018/2019	3	120
6.	KEJURUTERAAN GEOTEKNIK LANJUTAN (EAG442)	UG				2	2010/2011	4	20
						1	2012/2013	3	20
			1	2013/2014	3	20			
			1	2014/2015	3	15			
			1	2015/2016	3	16			
			1	2016/2017	3	20			
7	PROJEK TAHUN AKHIR (EAA492)	UG	2	2010/2011	8	22			
8	PROJEK TAHUN AKHIR (EAA492) AMALAN KEJURUTERAAN AWAM (EAA273)	UG UG	1,2	2010/2011	12	80			
			1,2	2013/2014	12	75			
			2	2016/2017	12	80			
			1,2	2017/2018	12	66			
9	AMALAN KEJURUTERAAN AWAM (EAA273)	UG PG	2	2012/2013	12	80			
			2	2013/2014	12	80			

	KEJURUTERAAN AIR SISA (EAP582)					
10	LATIHAN INDUSTRI (EAA371)	UG	2	2013/2014	6	15
11	LATIHAN INDUSTRI (EAA371)	UG	2	2013/2014	12	80
			2	2014/2015	12	80
			2	2015/2016	12	73
			2	2016/2017	12	80
12	Soil Stabilization And Ground Improvemen (EAG442)	UG	2	2017/2018	2	25
				2018/2019	3	15
				2019/2020	3	15

Undergraduate / Graduate Teaching

(b) **Penyeliaan Pasca Siswazah / Siswazah
Post-doctoral and Graduate Supervision**

(i) **PhD (Penyelidikan)
PhD Degree (Research)**

1. **Mior Termizi Mohd Yusof**, 2004, Kajian Kestabilan cerun menggunakan kaedah keberangkalian di Lombong Tembaga Mamut, Ranau, Sabah,
2. **Abdul Nasir Abdul Ghani**, 2004, Studies Of Retaining Wall Using Shredded Tyre And Its Properties,
3. **ABOULFAZL SAFARI**, 2012, Development of Eight Shaped Systems For Slope Stabilization (**International**)
4. **Yahya Kadhim Hussein**, 2013, Influence Of Styrene Butadiene Rubber On Engineering Properties Of Soils, (**International**)
5. **Mandana Abedini**, 2013, Spatial Soil Erosion Potential Modeling For Ulu Kinta Catchment Using Rusle Model, (**International**)
6. **Farshid Bateni**, 2014, Extension Of Numerical Manifold Method For Plasticity And Fracture Modelling Of Rock Mass (**International**)
7. **Younes Bagheri**, 2014, Mechanical Performance Evaluation Of Improved Soils Using Compound Stabilizer And Fibre Reinforcement (**International**)
8. **Damanhuri Jamaluddin**, 2015, Effect Of Shear Strength Parameters
9. In Residual Soils On Slope Failures Lamyaa Najah Snodi, 2015, Improvement Of Tikrit Gypseous Soil Using Soil Replacement And Additives,
10. **Mohammed Khudheir Abood Alahmed**, 2015, Assessment Of Depleted Uranium In Contamination In Basrah, Iraq (Co-Sv) (**International**)
11. **Marelianda Al Dianty**, 2016, Geostatistical Modelling Of Soil Properties In East Java For Site Suitability Assessment (Co-Sv) (**International**)
12. **Mohd Hazreek Bin Zainal Abidin**, 2018, Engineering Geophysics And Its Application In Geotechnical Engineering: Integrations Study Between Geotechnical And Geophysical Techniques And Its Properties (Co-Sv)
13. **Mohammad Radzif Bin Taharin**, 2019, Soil Characterization And Distribution Map At Higher Ground Of Kundasang
14. **Zulazmi Mohtar**, (on-going) Time Series Modelling and Forecasting the Impact of Climate Change on Slope Stability
15. **Muhammad Sofian Bin Abdullah**, (on-going) Geotechnical Properties Of Bottom Ash Coated With Acrylonitrile Butadiene Styrene (Abs) For Road Sub-Grade (on-going)
16. **Olayemi Thomas Temola**, (on-going) Socio-Economic Dynamics Of Vulnerability Of Metropolitan Lagos To Disasters (**International**)
17. **Syarmeelee Subramaniam**, (on-going) A study on the effect of vacuum consolidation on soft clay in combination with prefabricated vertical drain (PVD), embankment and surcharge preloading.
18. **Syaran Suri**, (on-going),

- Sebagai Penyelia Bersama / Penyelia Lapangan bagi universiti peringkat antarabangsa
As Co-supervisor/Field Supervisor for other international universities

1. **Ika Hastuty**, Penyelia Lapangan Universitas Sumatera Utara, Medan (on-going) 2019-present (Penyelia Bersama) (**International**)

<p>(ii) Sarjana (Penyelidikan) Master's Degree (Research)</p> <p>Master Degree (Research)</p> <ol style="list-style-type: none"> 19. Shabri Lebai Din, 1997, Ciri-Ciri Geoteknik Dan Geologi Untuk Tanah Lempung Di Malaysia “Kajian Terhadap Enapan 20. Mahmood Ali Woudood, 1998, Model Tests Of Reinforced Unpaved Poad Construced Over Peaty Clayey Soil (International) 21. Siti Saffur Mansor, 2003, Analysis Of Site Classification For Kuala Lumpur's Ground Assessment, Co-Supervisor 22. Norliana Sulaiman, 2003, Slope Stablity: Risk Management For Geotechnical Hazard 23. Farshid Bateni, 2009, Stabilization Mechanism Of Oil Palm Fruit Fibre Bunch (OPEFB) Fiber Reinforced Silty Sand (International) 24. Mohammadreza Samadi Tavana, 2012, Characterisation Of OPEFB Sheets As A Soil Reinforcing Material, Supervisor (International) 25. Muhammad Munsif Bin Ahmad, 2012, A Study On The Characteristics Of Waste-Based Geomaterials, Supervisor 26. Zul Fahmi Bin Mohamed Jaafar, 2012, Porous Parking Materials And Design For Storm Water Management, Co Supervisor 27. Mohammad Tabarroki, 2013, Computer Aided Slope Stability Analysis Using Optimization And Parallel Computing Techniques, Supervisor (International) 28. Roodabeh Banaki, 2013, LEM Probabilistic Model For Slope Stability Considering Spatially Variable Soils, Supervisor (International) 29. Muhamad Hisyam Bin Halim, 2016, Slope Improvement Technique Using 8r Mat System, 30. Syaran Bin Suri, 2016, The Influence Of Climate Change To The Slope Stability 31. Mochamad Trisugiwo, 2018, Analysis And Evaluation The Stability Of Designed Support Inthe Surge Chamber Cavern At Hulu Terengganu Hydroelectric Project, Terengganu Malaysia, (International) 32. Tan Pei Ying, 2018, Development of a Novel Moire Tilt Sensor for Slope Movement Sensing Application, Co-supervisor 33. Khairulnizam Bin Kamarrol (On Going) Full Time, Assessment Of Landslide Hazard On Penang Island Based On Spatial And Probabilistic Analysis, Co-Supervisor
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2.0	PENGAJARAN DAN PENYELIAAN TEACHING AND SUPERVISION
<p>(iii) Disertasi Sarjana (Mod Campuran) Master's Dissertation (Mixed Mode)</p> <ul style="list-style-type: none"> • Sebagai Penyelia Utama <i>As Main Supervisor</i> <p>Master's Dissertation (Mixed Mode)</p> <ol style="list-style-type: none"> 1. Nurjuhanah Juhari,2007, Experimental Study on potential use of bottles in shallow Foundation 2. Wan Nor Aishah Binti Meor Hussain,2010,(MSc in Environmental Engineering) 3. Siti Hanum Binti Abu Hairy, 2010 (MSc in Environmental Engineering) <p>(iv) Projek (mod Kerja Kursus) Project (Course Work Mode)</p> <ul style="list-style-type: none"> • Sebagai Penyelia Utama <i>As Main Supervisor</i> <ol style="list-style-type: none"> 1. Kamruzzaman Mohamed, 2002, Kelakuan Tegasan Pada Tembok Penahan Fleksibel Dengan Polisterina Sebagai Bahan Rangkuman Berkebolehmampatan 2. Norizah Omar, 2002, Membina Aturcara Program Untuk Merekabentuk Kedalaman Pacuan Bagi Cerucuk Tanggung Hujung. 	
<p>(c) Penyeliaan Pra Siswazah Undergraduate Supervision</p> <p>Sila nyatakan nama pelajar, tahun dan tajuk projek. <i>Please list name of student, year and project title.</i></p>	

Tahun Akhir**Final Year**

Final Year projects.

1. **Donovan Mujah**, 2010, Fibre Mat For Earth Retaining Structure
2. **Yohanes Saim**, 2010, Rubberized Mat For Soil Erosion And Slope Protection
3. **Adila Binti Izzudin**, 2011, Soil Stabilization Using Rise Husk Ash And Nbt.
4. **Alex Antonio Anak Ruber**, 2011, Soil Improvement Technique Using Ferrocement Geomat
5. **Seah Choon Shean**, 2011, A Comparative Study On Geogrid Reinforced Refoining Wall And Rc Cantilerer Retaining Wall
6. **Soh Tek Peng**, 2011, Modeling Of Tyre Mat (8r-Mat) Reinforced Slope Using Plaxi
7. **Tang Oon Kee**, 2011, Three-Dimensional Slope Analysis Using Geographical Information System For Paya Terubong Area
8. **Teo Pei Ling**, 2011, Ground Improvement By Using - Liquid Soil Stabilizer
9. **Lau Chun Hean**, 2012, Bottom Ash Based Geopolymer Concrete Block For Soil Erosion Control And Slope Stabilization.
10. **Kelvin Cheng**, 2012, Soil Erosion Control And Protection System Profix - Flexible Tubular Sand Filled Mattress.
11. **Nor Liyana Ramliy**, 2015, Concrete Block Of Scrap Tyres As A Retaining Wal
12. **Ahmad Sulaiman Mohamad**, 2016, Computer Aided Rockfall Analysis Using Optimization Techniques
13. **Mohamad Nazri Abdullah**, 2016, Retaining Wall Block Using Geosynthetics,
14. **Fatin Nur Ayuni Binti Abd Aziz**, 2018, Final Year Project, Ground Improvement Method Using Rubber Shredded And Acrylonitrile Butadiene Styrene, Main Supervisor, Completed
15. **Maimunah Binti Abu Kassim**, 2018, Final Year Project, Variability And Rainfall Against Slope Failure For Penang Island, Main Supervisor, Already Graduated
16. **Nur Syazatul Atirah Binti Mohamed Sidek**, 2019, Final Year Project, study on community safe slope respond, Main Supervisor
17. **Muhammad Ridz Aqil Bin Ridzuan**, 2019, Final Year Project, ground improvement method using geosynthetics, Main Supervisor

**3.0 SANJUNGAN AKADEMIK DAN KEPEMIMPINAN
ACADEMIC RECOGNITION AND LEADERSHIP**
**(a) Anugerah Akademik (Kecemerlangan akademik/profesional)
Academic Awards (Recognition for academic/professional excellence)**

Sila nyatakan nama anugerah, tahun, tahap, badan/penganjur dan negara.
Please list award's name, year, level, awarding body and country.

1. Undergraduate Prize Awards for Structural Steel Design 2001/2002, Malaysian Steel Structural Association(MSSA)
2. **Excellent Services** for Academic year 2002, USM
3. **CIDB Excellent Award** for R&D, First Prize, 2004
4. **Anugerah Penyelidik** Cemerlang, 2005
5. Award for Phd Student Thesis, **JICA Award**, 2006
6. **Hadiah Sanjungan2006**–Kategori Produk Penyelidikan, Ketua penyelidik, USM
7. Hadiah Sanjungan 2007–**Kategori Produk Penyelidikan**, Ketua penyelidik Mac 2008, USM
8. Hadiah Sanjungan 2007- **Kategori Penerbitan** 2008, USM

**(b) Pewasit / Pemeriksa
Assessor / Examiner**
**(i) Pewasit Akademik/Pemeriksa Luar/Ahli Lembaga Pengajian
Academic Assessor/External Examiner/ Member of Board of Studies**

1. **Expert Panel** for UTP Civil Engineering Programme,University Technolgy Petronas,1999
2. **External Assessor** for Civil Engineering Program for Linton College, 2003
3. **External Assessor** for Fooundation in built Environment Programme, ITP of Lagenda College, Mantin, 2004
4. **Expert Panel** for Soil Mechnics Course, Open University Malaysia,Sept-Dis,2005
5. **External writer** for Examination Question for Soil Mechanics, Open University Malaysia, 2006
6. **Academic Advisory panel (AAP)** for Graduate Engineering Program, UNITEN, 2006
7. **External Assessor** for Foundation in built Environment Programme, ITP of Lagenda College, Mantin, 2007-2009

8. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for University of Chittagong**, Chittagong, Bangladesh: Islamic History & Literature programs, 11-13 July 2017
9. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for University of Chittagong**, Chittagong, Bangladesh: Management Programs, 15-17 July 2017
10. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for University of Dhaka**, Dhaka, Bangladesh: Persian Literature and Language Program Programs, 22-24 July 2017
11. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for University of Dhaka**, Bangladesh: History Program 25-27 July 2017
12. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for University of Dhaka**, Dhaka, Bangladesh: Islamic Studies Programs, 29-31 July 2017
13. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for University of Rajshahi**, Rajshahi, Bangladesh: Applied Mathematics Programs, 14-16 Nov 2017
14. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for University of Rajshahi**, Rajshahi, Bangladesh: Veterinary and Animal Science program, 17-19 Nov 2017
15. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for University of Dhaka**, Dhaka, Bangladesh: Islamic Studies 18-20 Nov 2017
16. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for University of Dhaka**, Dhaka, Bangladesh: International Business, 22-24 July 2017
17. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for University of Dhaka**, Dhaka, Bangladesh: Fisheries Programs, 25-27 Nov 2017
18. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Islamic University**, Kushtia, Bangladesh: Computer Science Engineering Programs, 9-11 Dis 2017
19. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Islamic University**, Kushtia, Bangladesh: Economics Programs, 12-14 Dis 2017
20. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Jahangirnagar University**, Sarvar, Dhaka, Bangladesh: Institute of Informatics Technology Program, 11-13 Feb 2018
21. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Jahangirnagar University**, Sarvar, Dhaka, Bangladesh: Urban and Regional Planning Program, 14-16 Feb 2018
22. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Jahangirnagar University**, Sarvar, Dhaka, Bangladesh: Computer Science and Engineering Program, 18-20 Feb 2018
23. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Pathuakali Science and Technology University**, Pathuakali, Bangladesh: Biotechnology and Genetic Engineering Program, 116-16 April 2018
24. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Banghamandhu Sheikh Mujib Medical University**, MBSTU, Bangladesh: Anesthesia, Analgesia and Intensive Care Medicine, 22-24 April 2018
25. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Mawlana Bhashani Science and Technology University**, Tangail, Bangladesh: Biotechnology and Genetic Engineering Program, 3-5 July 2018
26. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Mawlana Bhashani Science and Technology University**, Tangail, Bangladesh: Information Communication Technology, 7-9 July 2018
27. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Mawlana Bhashani Science and Technology University**, Tangail, Bangladesh: History Program, 10-12 July 2018
28. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Pabna University Science and Technology**, Pabna, Bangladesh: Computer Science engineering Program, 1-3 Sept 2018
29. **Foreign Expert of Quality Assurance & External Peer Review for Quality Assurance for Pabna University Science and Technology**, Pabna, Bangladesh: Business Administration Programs, 4-6 Sept 2018

(ii) **Pemeriksa Luar Tesis**
External Examiner for Thesis

- Kedokteran
Ph.D

1. Anwar Khatib, 2009, Bearing Capacity Of Soft Soil Overlying By Granular- Material Reinforced With Bending And Tensile Composite At The Interface, **UTM**
2. Haryati Awang, 2009, Geophysical Approach Of Site Exploration For Ground Profiling For Civil Engineering, **UiTM**
3. Mazidah Bt Mukri, 2010, Pemadatan Dan Keberaliran Hidraulik Tanah Baki Sedimen Semananjung Malaysia, **UKM**,
4. Adnan Zianorabidin, Dec2010, Statistic And Dynamic Characteristics Of Peat With Macro And Micros Structure Perspective, **University of East London, United Kingdom, International**
5. Siena Bakshipour, 2011, Delineation Of Karst terrain Using Resistivity Method, **UPM**
6. Mohd Ahmadullah Farooqi, 2011, Virtual Testing Of Geomaterials Through Micro Computed Tomographic Images And Computational Homogenization, **Newcastle University Australia, International**
7. Wai Loong Choong, 2011, Lateral Load Capacity Of, Single Piles Socketed Into Melbourne Mudstone, **Monash University, Australia, International**
8. Mohsen Hajihassani, 2012, Prediction Of Tunneling-Induced Ground Movement Based On Particle Swarm

- Optimization Algorithm And Artificial Neural Network, **UTM**
9. Mohammad Khakehzadeh Ravizi, 2012, Modified Particles Swarm Optimization And Gravitational Search Algorithm For Slope Stability Evaluationmohd, **UKM**,
 10. Cindy Chai, 2012, Rehabilitation Of Sg Kembong Open Dumpsite Using Geographic Information Sysytem: A Case Study, **UM**
 11. Mohsen Hajihassani, 2012, Optimization Algorithm And Artificial Neural Network, **UKM**
 12. Mohammad Nabil Fikri Razali, 2012, Correlation Of Soil Resistivity With Various Soil Paprameters,**UTP**
 13. Farhad Irfan Siddiqui, 2012, Regression And Artificial Neural Network For Relationship Between Various Soil Properties And Electrical Resistivity, Universiti Tenaga Nasional **UNITEN**
 14. Mohd Zulhelmy A.Ghani, 2013. Georisk And Reliability Design And Mitigation Of Slope Failure In Tropical Environment, **UiTM**
 15. Mohd Khairul Azhar Ismail, 2013, Shear Band Theory Based Reinforcement Mechanism Forngeosynthetics, **UiTM**
 16. Mohd Firdaus Mohd Akhbar, 2013, Mechanics Of Sinkholes Due To Ground Tremor , **UiTM**
 17. Mustafa Al Bakri Abdullah, 2013, Kajian Penghasilan Geopolimer Konkrit Berasaskan Abu Terbang, Universiti Malaysia Perlis, **UNIMAP**
 18. Mahdy Khari, 2013, Effect Of Soil Pile Interaction On Seismic Behavior Of Superstructure, **UTM**
 19. Bishwajit Chowdhury, 2013, Mechanical Behaviour Of Lime-Slag Treated Coode Island Silt, **Monash University,Australia, International**
 20. Enas A O Belqasem Altalhe, 2014,Experimental And Numerical Analysis Of Strip Footing On Reinforced Sand Slopes , **UKM**
 21. Mehdi Raftari, 2015, Settlement Behaviour Of Cement Stabilized Column Using The Constant Rate Ofstrain Consolidation Test, Phd Mehdi Raftari, **UTM**
 22. Gambo Haruna Yunusa, 2015, Modelling The Effect Of Transpot Layers On Suction Distriibution In Tropical Residual Soil, **UTM**
 23. Lau See Hung, 2015, Particle Image Velocimetry In Simple Soil-Structure Interaction, **UNIMAS**
 24. Nema Khezri, 2015, Tunnel Face Stability In Non-Homogeneous Soil, **UTM**
 25. Nader Saatdakhah, 2015, Spatial Temporal Regional Modeling Of Local Rainfall Pattern Effect On The Plant Covered Slope In Hulu Kelang Malaysia, **UTM**
 26. Muhammad Rehan Hakro, 2015, Experimental Investigation On The Controlling Parameter Of Flow Slide From Moister Content Measurements, **UTP**
 27. Haruna Yunusa, 2015, Modelling The Effect Of Transpot Layers On Suction Distriibution In Tropical Residual Soil, **UTM**
 28. Ali Sobhamanesh, 2015, **UTM**
 29. Mohsen Oghabi, 2015, **UTM**
 30. Tanveer Ahmad Khan, 2016, Treatment Of Geotechnical Properties Of Clayey Soils Using Bio-Enzymes, **UKM**
 31. Zaihasra Binti Abu Talib, 2016, Rainfall Infiltration Effect On Suction Distribution Behaviour In Heterogenous Residual Soil. **UTM**
 32. Rohaya Alias, 2016, **UKM**
 33. Abideen Adekunle Ganiyu, 2016, Influence Of Cross Sectional Geometryon The Capacity Of Axially Loaded Piles. **UTM**
 34. Zaihasra Binti Abu Talib, 2016, Rainfall Infiltration Effect On Suction Distribution Behaviour In Heterogenous Residual Soil. **UTM**
 35. Ong Choon Kian, 2017, **UTM**
 36. Norliana Binti Sulaiman, 2017, **UPM**
 37. Ahmad Bukhari Bin Ramli, 2018, Penilaian Keupayaan Galas Tapak Cetek Berasaskan Hala Ju Gelombang Ricih Dan Hentaman, **UKM**
 38. Lee Lin Jye, 2018, Lateral Movement Of Soil Riverbank In Sarawak, **UNIMAS**
 39. Thian Siaw Yin , 2018, Response Of Offshore Pile Foundaton To Cyclic Axial Loading **UNITEN**
 40. Norbaizurah Rahmad, 2018, The Combined Effect Of Dipotassium Phosphate And Paper Mill Sludge Ash On Structure Disintegration Pf Fly Ash Geopolymer, **UKM**
 41. Ahmed Elikhebu, 2018, Geotechnical Performance Of Two Alkaline Activated Fly Ash Soil Mixtures Reinforced With Polyprpylene Fibres, **UTHM**
 42. Kowstubaa A/P N Ramlingan, 2018, Penilaian Keupayaan Galas Muktamad Tanah Menggunakan Hala Ju Gelomgang Ricih Dan Nisbah Redaman, **UKM**
 43. Nazaruddin Bin Abdul Taha, 2018, Bearing Capacity Floating Semi Rigid Pulverized Fly Ash Stone Column Using Buckingham-Pi Theorem, **UiTM**
 44. Azhani Bt Zukri, 2019, Soft Clay Stabilization Using Lightweight Aggregate Raft And Column Metrices, **UTM**
 45. Asheque Al Mahbub, 2019, Investigation Of Microstructure And Compression Behaviour Of Cemented Sand Using X-Ray Ct Imaging, **Monash University, Australia, International**
 46. Mohammad Nor Hisyam Jusoh, 2019, Correlations of Geo-Electrical Resistivity Parameters with Strength Parameters in Heterogenous Soil, **UTP**
 47. Phour Thy, 2019, Development and Application of Three-Dimensional Element Interface Model For Soil-Jack-Up Interaction During Preloading, **UTP**
 48. Nor Hazwani bt nor Khalid, 2020, Effects of Slope Displacement on Stability of Transmission Tower Structure, **UNITEN**
 49. Noor Dhani, 2020, Studi Eksperimental Kapasitas Dukung Tanah Lunak Stabilisasi Overboulder Asbuton Sebagai Lapisan Sub - Base, **Universitas Hasanudin Makassar, Indonesia**

- Sarjana
Master 's

1. Azman Kassim, 1996, Engineering Properties Of Undisturbed Highly Weathered Granite, **UTM**
2. Md, Shahab Uddin Khaled, 1997, Pile Capacity Prediction By Characteristic Stress Wave Method, **UTM**
3. Mohd Fairuz Mohamed Isa, 1999, Model Studies On The Effect Of Deep Excavation On Pore Water Pressure And Settlement, **UTM**
4. Mohd Adli Sapari, 2000, Uplift Capacity Of A Short Straight-Shafted Pile In Sand Subjected To Monotonic Loading, **UTM**
5. Adnan Zainorbidin, 2002, Sifat-Sifat Kejuruteraan Tanah Gambut (Hemic), **UTM**
6. Saiful Abdullah, 2003, Soil Mineralogy For Malaysia, **UTM**
7. Fayda F A Al Obaidi, 2005, Structural Behaviour Of Concrete Rockfill Dam Using Finite Element Method, **UPM**
8. Mohamad Abdulla Ismail Al-Gorabi, 2005, Inelastic Analysis Of Soil-Structure Interaction System, **UPM**
9. Sivadas A/L Thiruchelvam, 2006, Behaviour Of Silty Residual Soil, University Tenaga Malaysia, **UNITEN**
10. Shamiruddin Mahamad Azami, 2007, Development Of Geohazard Risk Hilly Terrain Development In Selangor State, **UiTM**
11. Loh Wooi Chuan, 2007, Application Of Scrap Tyre For Earth Retaining Structure, **UPM**
12. E Kabir, 2007 (MEng Sc. Department Of Civil Engineering) Filtration Behaviour Of Granular Materials Under Cyclic Load, **Monash University, Australia, International**
13. Mohammad Nabil Fikri Razzali, 2011, Correlation Of Soil Resistivity With Various Soil Parameters, **UTP**
14. Nor Hazwani Bt Nor Khalid, 2012, Risk Assessment Of Existing Route For TNB Transmission Line Using Geophysics, Remote Sensing And Geographical Information System (Gis), Universiti Tenaga Nasional **UNITEN**
15. Thian Siaw Yin, 2012, Behaviour Of Mining Sand With Different Clay, Silt, Lime And Cement Content, **UNITEN**
16. Cindy Chai, 2012, Rehabilitation Of Sg Kembong Open Dumpsite Using Geographic Information System: A Case Study, **UM**
17. Mohd Firdaus Mohd Akhbar, 2013, Mechanics of Sinkholes due to Ground Tremor, **UiTM**
18. Mohd Khairul Ismail, 2013 Shear Band Theory-Based Reinforcement Mechanism Of Geosynthetics, **UiTM**
19. Mohd Zulhelmy A. Ghani, 2013, Georisk and Reliability Design in Mitigation of Slope Failure in Tropical Environment, **UiTM**
20. Fahad Ifan Siddiqui, 2014, Regression And Artificial Neural Network Models For Relationship Between Various Soil Properties And Electrical Resistivity, **UTP**
21. Kowstoba Ramalingam, 2018, Penilaian Keupayaan Galas Muktamad Tanah Menggunakan Halaju Gelombang Ricih Dan Nisbah Redaman, **UKM**
22. Ili Syazwani Binti Che Mohd Rosley, 2019, A Microstructural Approach On Shear And Compression Behaviour Of Crushed Mudrocks At Various Moisture Conditions, **UPM**
23. Muhammad Syamsul Imran Bin Zaini, 2019, Stability Of Soil Slope With Influence Tree Water Uptake, **UMP**
24. Amalina Hanani Ismail, 2019, Pozzolanic Reactivity Of Chemically Pre-Treated Palm Oil Clinker Powder (POCP) With Hydrochloric Acid, **UMP**
25. Muhammad Syamsul Imran Bin Zaini, 2019, Monitoring On The Movements Of Rock And Soil Slope For Triggering Early Warning Systems, **UMP**
26. Maryam M Gaber Abdalwahab, 2019, Stability Of Stone Columns Supported Embankment On Soft Soil, **UKM**

(iii) **Pemeriksa Dalam Tesis**
Internal Examiner for Thesis

- Kedoktoran
Ph.D

1. Hussein Abdel Wahab Moussa Al-Musawi, 2010, The Use Of Gis And Resistivity Imaging Techniques To Determine Landslide Probability Based On Internal And External Causal Factors, **PPS Fizik**
2. Ng Wen Kuan, 2012, Soil/Pile Set Up Of Driven Pile In Clay, **PPK Awam**
3. Javad Esfandiari, Study On Pullout Capacity Of Metal Strips With Anchorage Elements Used In Mechanically Reinforced Earth, **PPK Awam**
4. Adiat Kola Abdul-Nafu, 2012, Development Of Models For Predicting Groundwater Resources Potential Of Alluvial Aquifer Using Artificial Intelligence Techniques – A Case Study Of Kedah State, Malaysia, Usm, **PPS Fizik**
5. Nordiana Mohd, 2013, 2d-Resistivity Study: The Horizontal Resolution Improvement By Introducing The Enhancing Horizontal Resolution (Ehr) Technique And Its Application To Shallow Subsurface Studies, **PPS Fizik**
6. Thirunavukkarasu Jr. A/L R. Karasu, 2014 Development Of Interlocking Gabions For Earth Retaining Structures, **PPHBP**
7. Teh Saufia Bt Abu Haim Ajau'ubi, 2014, The Study Of Groundwater Flow Using 2-D Electrical Imaging Method, **USM, PPS Fizik**
8. Muhammad Isa, 2014, Development Of A New Technique To Determine Potential Geothermal Area Over Jaboi Aceh – Indonesia, **PPS Fizik**

9. Noer El Hidayah Ismail, 2015, Fabrication Of Gravity & Magnatic Data Reduction Software & Its Application For Bukit Bunuh Cratersearching, **PPS Fizik**
10. Muhammad Rafiq Khan Kakar, 2015, Effects Of Adhesionfailure And Surface Free Energy Characteristics O The Moisture Damamge Of Warm Mix Asphalt, **PPKAwam**
11. Kehinde Saheed Ishola, 2015, Development Of Unified Classification model From The Integratedgeophysical Data For Near Subsurfacecharacterization Using Unsupervised Imahe Classificiation Techniques, **PPS Fizik**
12. Ng Wen Kuan, 2012, Soil/Pile Set Up Of Driven Pile In Clay, **PPKAwam**
13. Javad Esfandiari, 2012, Study On Pullout Capacity Of Metal Strips With Anchorage Elements Used In Mechanically Reinforced Earth, **PPKAwam**
14. Teguh Darsono, 2013, Study On Electron Transport On Gold Nanodot-Silicon Interface Grown By Scanning Probe Microscope (SPM). **PPS Fizik**
15. Noer El Hidayah Ismail, 2015, Fabrication of Gravity & Magnatic Data Reduction Software & its Application for Bukit Bunuh Crater Searching, PhD, Noer El Hidayah Ismail, **PPS Fizik**
16. Kehinde Saheed Ishola, 2015, Development Of Unified Classificationmodel From The Integratedgeophysical Datafor Near Subsurfacecharacterization Using Unsupervised Imahe Classificiation Techniques, **PPS Fizik**
17. Nuriah Binti Abd Majid, 2016, Aplikasi Rangkaian Saraf Buatan (ANN) Dalam Pemodelan Ruangan Pelbagai Jenis Kegagalan Cerun Di Pulau Pinang, Malaysia, **PP Ilmu Kemanusiaan**
18. Rose Nadiah Nadua Abu Samah, 2016, Soil Subsurface Geotechnical Parameters Study Using Seismic Refraction Tomography (Srt) In Deleating Lembah Bujang Ancient River Perimeter, **PPS Fizik**
19. Nordiana Ahmad Nawawi, 2017, Kajian Mengenai Singkapan Sediment menggunakan Kaedah Geofizik dan Analisis Petrolografi, **PPS Physic**
20. Sarian Tri Anda, 2018, Seismic P- And S-Waves Elation Study For Shallow
21. Subsurface Application, **PPS Fizik**
22. Muhammad Sabiu Bala, 2018, Multiple Linear Regression Models For Estimating True Subsurface Resistivity From Apparent Resistivity Measurement, **PPS Fizik**
23. Arisona, 2018, Mapping Of Subsurface Geological Structures Using Geophysic Technique, **PPS Fizik**
24. Rais Bin Yusoh, 2019, Penta – Axial Geophone Fabrication For P- and S- Wave in Downhole Seismic, **PPS Fizik**
25. Syed Kha Ja Na Jamuddin, 2019, Synthesis Of Room Temperature Cured Silicomanganese Fume-Based Alkali Activated Binder & Enhancing Its Performance By Incorporotting Silica Fume, **PPK Awam**

Internal Examnier for MSc

1. Anas Ibrahim, 2003 , **PPKAwam**
2. Ng Wen Kuan, 2003, **PPKAwam**
3. Norhasimah Salleh, 2010, Removal Of Turbidity,Suspended Solid, Biochemical Oxygen Demand(Bod),And Chemical Oxygen Demand,Granular Activated Carbon (Gac)Horizontal roughing, **PPKAwam**
4. Affam Augustine Chiomo, 2010 Vertical Flow Roughing Filter For Treatment Of Leachatte Using Limestone Filter Media, 2010, **PPKA**
5. Lim Chi Choon, 2010,Evaluation Of Suspended Sediments For Sungai
6. Langat Using Qual2k, **PPKAwam**
7. Hwang Shiang Lin, 2010, Post Tsunami Of Synthetic Farm Wastewater, **PPKAwam**
8. Nordiana Bt Mohd Mustaza, 2012, Penggunaan Keadah Geofizik Dalam Kajian Tanah Runtuh Dan Kestabilan Cerun, **PPS Fizik**
9. Muhamad Iqbal Mubarak, 2018, Slope Study By Using Geoelectrical Methods at Penang Island USM, **PPS Fizik**

(v) Pemeriksa/Penilai Profesional Assessor/Professional Examiner

Geotechnical Assessment As Checkers for Penang State Government for Hill Slope Develepment(2003-present):

1. Housing Scheme proposal: Cadangan Mendirikan Skim Perumahan,For M/S Ivory Meadows Sdn. Bhd.By Jurutera Tang & Rakan-Rakan Cadangan Mendirikan Blok Kondominium 28 Tingkat Dengan 2 Tingkat Tempat Letak Kenderaan Separa Basmen & 1 Blok Tempat Letak Kenderaan 5 Tingkat 'For Tetuan Ritz Energy Sdn. Bhd.By Perunding Selat
2. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 1 Blok Bangunan 24 Tingkat, For Tetuan Worldwide Ventures Sdn. Bhd.,By Perunding Prisma Sejati Sdn. Bhd.
3. Housing Scheme proposal: Permohonan Kebenaran Merancang 53 Unit 2-3 Tingkat & 2 Unit 4 Tingkat Bangunan Kediaman & 1 Unit Dewan Komuniti 3 Tingkat,For Tetuan Geduri Sdn. Bhd.,By Perunding Setia Sar
4. Housing Scheme proposal:Permohonan Kebenaran Merancang Banglo-Banglo,For Tetuan Solid Tribute Sdn. Bhd.
5. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 32 Unit Rumah Berkembar Strata Titled 3 Tingkat Bersambung 10 Unit Rumah Pangsa 5 Tingkat ,For Tetuan Worldwide Ventures Sdn. Bhd.,By Perunding Selat

6. Housing Scheme proposal: Cadangan Skim Perumahan ,For Tetuan PPB Hartabina Sdn. Bhd.
7. Housing Scheme proposal: Permohonan Kebenaran Merancang Membina 2 Blok Pangsapuri Yang Mengandungi :Blok A (25 Tingkat) – 4 Tingkat Podium Tempat Letak Kereta, 1 Tingkat Kawasan Komuniti, 20 Tingkat Rumah Pangsa,Blok B (16 Tingkat) – 2 Tingkat Podium Tempat Letak Kereta, 1 Tingkat Kawasan Komuniti, 13 Tingkat Rumah Pangsa,For Tetuan Jiran Bina Sdn. Bhd.
8. Housing Scheme proposal: Permohonan Kebenaran Merancang Bagi Mendirikan 20 Unit Banglo 3 Tingkat & 8 Unit Banglo 4 Tingkat,For Tetuan Solid Tribute Sdn. Bhd.
9. Housing Scheme proposal: Cadangan Membina 1 Unit Rumah Kediaman 4 Tingkat ,For Tetuan Leva Enterprise Sdn. Bhd.
10. Housing Scheme proposal: Cadangan Mendirikan 2 Buah Banglo 2 Tingkat & Tingkat Bawah Tanah 2 Tingkat,For Tetuan En. Lee Hock Siew, Pn. Yeap Lee Choon & En. Loke Kah Khooi
11. Housing Scheme proposal: Cadangan Mendirikan 2 Unit Rumah Banglo 3 Tingkat, For Tetuan Souspring Sdn. Bhd.
12. Housing Scheme proposal: Permohonan Kebenaran Merancang 1 Blok Kondominium 19 Tingkat Dengan 3 Tingkat Tempat Letak Kereta Podium ,For Tetuan Lereng Wira Sdn. Bhd.
13. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Membina :13 Unit Rumah Sesebuah 3 Tingkat,24 Unit Rumah Berkembar 3 Tingkat,31 Unit Rumah Teres 2 Tingkat Jenis A155 Unit Rumas Teres 2 Tingkat Jenis B, 38 Unit Rumah Teres 3 Tingkat Jenis C,Rumah Pangsa Kos Rendah 5 Tingkat (80) Unit Dengan Kedai (* Unit) Pada Aras Bawah ,For Tetuan Goldmart Development Sdn. Bhd.
14. Housing Scheme proposal: Cadangan Untuk Mendirikan 1 Unit Rumah Sesebuah 2 Tingkat , For En. Tan Vait Leong & Pn. Foo Sin Gein
15. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 63 Unit Rumah , For Tetuan Palmex Industries Sdn. Bhd., By Perunding Selat
16. Housing Scheme proposal: Housing Scheme proposal: Cadangan Pembangunan Perumahan , For Tetuan Geo Valley Sdn. Bhd.
17. Housing Scheme proposal: Permohonan Kebenaran Merobohkan 72 Unit Rumah Sediada & Cadangan Membina 138 Unit 'Townhouse' 3 Tingkat Dengan 1 Blok Rumah Pangsa 13 Tingkat, For Tetuan Jiran Ikhlas Sdn. Bhd.
18. Housing Scheme proposal: Permohonan Kebenaran Merancang Bagi Membina 2 Blok 25 & 16 Tingkat , For Tetuan Jiran Bina Sdn. Bhd.
19. Housing Scheme proposal: Cadangan 1 Unit Rumah Sesebuah 2 Tingkat , For Tetuan En. Ooi Meng Huat & Pn. Chong Yoke Goh
20. Housing Scheme proposal: Cadangan 43 Unit Rumah Teres 3 Tingkat, 4 Unit Rumah Berkembar & 5 Plot Rumah Banglo, For Tetuan Taimima Sdn. Bhd.
21. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 1 Unit Rumah Sesebuah 3 Tingkat & 2 Tingkat Dengan Kolam Renang Dalam Pembangunan Desa Mutiara Dua (Fasa 7), For Tetuan Lim Jin Keat & Pn. Chung Eng Sun, By CH Perunding
22. Housing Scheme proposal: Cadangan Mendirikan 1 Blok 113 Unit Kondominium 21 Tingkat , For Tetuan Arah Objektif (M) Sdn. Bhd.
23. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Pembangunan Perumahan, For Tetuan Dynamic Homepro Sdn. Bhd.n
24. Housing Scheme proposal: Cadangan 4 Unit Rumah Sesebuah 3 Tingkat & 36 Unit Rumah Berkembar , For Tetuan Prestasi Raya Sdn. Bhd., By Perunding Selat
25. Housing Scheme proposal: Permohonan Kebenaran Merancang Bagi Cadangan Mendirikan : Blok A – 1 Blok 4 Tingkat Podium (Tempat Letak Kenderaan & 1 Blok 6 Tingkat Kondominium & 1 Blok 33 Tingkat Kondominium & 1 Tingkat Kemudahan Masyarakat), Blok B - 1 Blok 4 Tingkat Podium (Tempat Letak Kenderaan & Kondominium & 1 Blok 9 Tingkat Kondominium & 1 Tingkat Kemudahan Masyarakat), Blok C - 1 Blok 4 Tingkat Podium (Tempat Letak Kenderaan & Kondominium & 1 Blok Komersil), 16 Unit Banglo & 1 Rumah Kelab, For Tetuan Ivory Continental Sdn. Bhd., By Ir. Yau Ann Nian
26. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Cadangan 1 Blok Kondominium 19 Tingkat Dengan 3 Tingkat Tempat Letak Kereta Podium , For Tetuan Lereng Wira Sdn. Bhd.
27. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk 3 Unit Rumah Banglo 3 Tingkat, 18 Unit Rumah Berkembar 3 Tingkat, 9 Unit Rumah Teres 3 Tingkat, For Tetuan Acreline Sdn. Bhd.
28. Housing Scheme proposal: Cadangan Skim Perumahan , For Tetuan PPB Danaharta Sdn. Bhd., Housing Scheme proposal: Cadangan Pembangunan Perumahan , For Tetuan Dynamic Homepro Sdn. Bhd.
29. Housing Scheme proposal: Permohonan Kebenaran Merancang Cadangan 2 Blok Kondominium 28 Tingkat, For Tetuan Ritz Energy Sdn. Bhd., By Perunding Selat, For Tetuan Setia Promenade Sdn. Bhd.
30. Housing Scheme proposal: Cadangan 43 Unit Rumah Teres 3 Tingkat, 4 Unit Rumah Berkembar 3 Tingkat & 5 Plot Rumah Banglo, For Tetuan Taimima Sdn. Bhd., By Ir. Yau Ann Nian
31. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk 85 Unit Rumah Teres 2 Tingkat , For Grandeal Trading Co. Sdn. Bhd.
32. Housing Scheme proposal: Cadangan Pembangunan 128 Unit Rumah Kediaman , For Tetuan Palmex Industries Sdn. Bhd.
33. Housing Scheme proposal: Cadangan Pembangunan , For Tetuan Reka Indah Development (PG) Sdn. Bhd.
34. Housing Scheme proposal: Cadangan Untuk Mendirikan 39 Unit Rumah Banglo 3 Tingkat (12 Unit Jenis A, 10 Unit Jenis A1, 13 Unit Jenis B, 1 Unit Jenis D & 3 Unit Jenis E), For Tetuan DMV Sdn. Bhd., By Jurutera Tang & Rakan-Rakan
35. Housing Scheme proposal: Cadangan Pembangunan Perumahan Untuk 102 Unit Banglo 2-4 Tingkat , For

- Tetuan Mount Pleasure Corporation Sdn. Bhd.
36. Housing Scheme proposal: Cadangan Rumah Sesebuah 3 Tingkat (4 Unit) & Rumah Berkembar 3 Tingkat (36 Unit) , For Tetuan Prestasi Raya Sdn. Bhd.
 37. Housing Scheme proposal: Cadangan Mendirikan 32 Unit Rumah Berkembar 'Strata Titled' 3 Tingkat Bersambung dan 10 Unit Pangsapuri 5 Tingkat, For Tetuan Worldwide Ventures Sdn. Bhd., By Perunding Selat
 38. Housing Scheme proposal: Cadangan Skim Perumahan , For Tetuan I & P Sdn. Bhd.
 39. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Membina Rumah Teres 3 Tingkat, Rumah Berkembar 3 Tingkat, Rumah Sesebuah 3 Tingkat & 1 Blok Rumah Pangsa 15 Tingkat, For Tetuan Casa Fareast Sdn. Bhd.
 40. Housing Scheme proposal: Pindaan Kepada Kebenaran Merancang No JPB/KM/0609/A(JPB/PM/701(B)) Yang Diluluskan Dari Rumah Pangsa 6 Tingkat & Rumah Pangsa 5 Tingkat , For Tetuan I & P Development Sdn. Bhd.
 41. Housing Scheme proposal: Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk 42 Unit Rumah Banglo 2 Tingkat, For Tetuan Worldwide Venture Sdn. Bhd.
 42. Housing Scheme proposal: Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Pembangunan, For Tetuan Reka Indah Development (PG) Sdn. Bhd.
 43. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk 64 Unit Rumah Teres 3 Tingkat, For Tetuan Taimima Sdn. Bhd.
 44. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Membina 1 Unit Rumah Sesebuah 2 Tingkat, For Tetuan En. Ooi Meng Huat & Pn. Chong Yoke Goh
 45. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Rumah Kediaman Sesebuah 2 Tingkat , For Tetuan Husri bin Hussain
 46. Housing Scheme proposal: Permohonan Kebenaran Merancang Bagi Membina 1 Unit Rumah Sesebuah 4 Tingkat, For Tetuan M/S Ooi Seok Eng
 47. Housing Scheme proposal: Permohonan Kebenaran Merancang Bagi Membina 1 Unit Rumah Sesebuah 4 Tingkat (Revision No 2), For Tetuan M/S Ooi Seok Eng
 48. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk 8 Unit Rumah Berkembar 3 Tingkat (Jenis A & B), For Tetuan Farlim Group (M) Sdn. Bhd.
 49. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 20 Unit Rumah Berkembar 3 Tingkat & 45 Unit Rumah Teres 3 Tingkat, For Tetuan Taman Ratu Sdn. Bhd.
 50. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Meroboh Sebuah Tngki Air PBA, Sebuah Tokong Cina, Struktur Kilang Gaharu Dan Rumah Serta Cadangan Membina ;, 3 Tingkat Rumah Sesebuah (130 Unit), 3 Tingkat Rumah Berkembar (324 Unit), 3 Tingkat Rumah Teres (68 Unit), 1 Blok A – 26 Tingkat Kondominium Termasuk 2 Tingkat Tempat Letak Kereta (262 Unit), 1 Blok B – 31 Tingkat Rumah Pangsa Kos Sederhana Rendah Termasuk 4 Tingkat Tempat Letak Kereta (780 Unit), 3 Tingkat Kedai & 1 Tingkat Basemen Tempat Letak Kereta, Sebuah Reservior & Tapak-Tapak Kemudahan, For Tetuan Nuwata Sdn. Bhd.
 51. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Cadangan : 23 Unit Rumah Banglo 3 Tingkat – Jenis A, 37 Unit Rumah Banglo 3 Tingkat – Jenis B, 28 Unit Rumah Banglo 4 Tingkat – Jenis C, 1 Unit Pencawang Elektrik, 1 Unit Rumah Kelab 2 Tingkat, 1 Unit Pondok Pengawal, 1 Unit Tangki Air, For Tetuan Vienna Home Sdn. Bhd.
 52. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 20 Unit Rumah Berkembar 3 Tingkat & 45 Unit Rumah Teres 3 Tingkat, For Tetuan Taman Ratu Sdn. Bhd., By Ir. Yau Ann Nian
 53. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 12 Unit Rumah Berkembar (3 Tingkat), For Tetuan Taimima Sdn. Bhd.
 54. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 1 Unit Banglo 3 Tingkat Dengan Basement 2 Tingkat, For Encik Lim Beng Kit
 55. Housing Scheme proposal: Pembangunan Skim Perumahan, For Tetuan Ivory Meadows Sdn. Bhd.
 56. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 3 Unit Rumah Banglo 3 Tingkat, 9 Unit Rumah Teres 3 Tingkat, 18 Unit Rumah Berkembar 3 Tingkat, For Acreline Sdn. Bhd.
 57. Housing Scheme proposal: Cadangan 43 Unit Rumah Teres 3 Tingkat, 4 unit Rumah Berkembar 3 Tingkat dan 5 Plot Rumah Banglo, For Tetuan Taimima Sdn. Bhd.
 58. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 1 Unit Rumah Sesebuah 3 Tingkat dan 2 Tingkat Dengan Kolam Renang, For Tetuan Lim Jin Keat & Pn. Chung Eng Sun, By
 59. Housing Scheme proposal: Cadangan Mandiri dan Menyiapkan 2 Unit Rumah Banglo 3 Tingkat, For Tetuan Tan Shih Thoe,
 60. Housing Scheme proposal: Cadangan Mandiri Sebuah Banglo 4 Tingkat, For Tetuan Lee Siew, Yap Lee Choon & Loke Kah Khooi
 61. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Cadangan 1 Blok Kondominium 19 Tingkat (144 Unit), For Tetuan Lereng Wira Sdn. Bhd.
 62. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 42 Unit Rumah Banglo 2 Tingkat, For
 63. Housing Scheme proposal: Cadangan Pembangunan, For Tetuan Palmex Industries Sdn. Bhd.
 64. Housing Scheme proposal: Laporan Geoteknik Pandangan Bebas Untuk Kelulusan Jawatankuasa Pengurusan & Pembangunan Tanah Bukit Bagi Permohonan Merancang Untuk Cadangan Perlingkungan Semula Dari Zon Golf & Zon Infrastruktur Kepada Zon Perumahan Am & Zon Perniagaan Am, For Tetuan Setia Promenade Sdn. Bhd.
 65. Housing Scheme proposal: Cadangan Mendirikan 50 Unit Rumah Berkembar 3 Tingkat & 45 Unit Rumah Teres

	<p>3 Tingkat, For Tetuan Taman Ratu Sdn. Bhd.</p> <p>66. Cadangan Pembangunan, For Tetuan</p> <p>67. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Membina 22 Unit Banglo (Type A) – 4 Tingkat & 7 Unit Banglo (Type B) – 3 Tingkat, For Tetuan OJY Sdn. Bhd.</p> <p>68. Housing Scheme proposal: Permohonan Kebenaran Merancang Untuk Mendirikan 1 Unit Rumah Sesebuah 3 Tingkat Dengan Basemen 2 Tingkat, For Encik Lim Beng Kit</p> <p>69. Housing Scheme proposal: Proposed Bungalow Unit, For Tetuan Lim Lin Lean</p> <p>70. Housing Scheme proposal: Proposed Development, For Tetuan Pena Land Corporation Sdn. Bhd.</p> <p>71. Housing Scheme proposal: Cadangan Membina Sebuah Banglo 3 Tingkat, For Lim Lin Lean</p>
(c)	<p>(i) Profesor Kunjungan / Lantikan Lain (Termasuk Kerusi) Visiting Professor / Other Appointment (Inclusive Chair) Sila nyatakan pangkat, tempat dan tarikh/tempoh <i>Please list position, place and dates/duration</i></p> <ol style="list-style-type: none"> Research Fellowship ODA Cell No 7, University of Newcastle Upon-Tyne, UK, 1 month, 1990 Research Fellowship ODA Cell No 7, University of Newcastle Upon-Tyne, UK, 1 month, 1998 Research Fellowship ODA Cell No 7, University of Newcastle Upon-Tyne, UK, 1 month, 1995 Research Fellowship IDP Australia, Universities in Australia, 2 months, 1993 Specially Offered Training Course on Construction Technology in Under Ground (J-200-03867), 10th Oct-3rd Dis.2000, Tokyo, Colombo-Japan –JICA Visiting Professor, Tasmania University, Australia, March 2017 Visiting Professor, University of Technology of Baghdad, Baghdad, Iraq, 2016 Visiting Teaching Professor, University Veltech, Chennai India, 2017 Chairman and Board of Director, (Non-Executive), Fibromat (M) Bhd Batu Caves, Kuala Lumpur (Lead Public Listed Company) 2019 – 2023
(d)	<p>(ii) Pewasit (Penerbitan) Manuskrip (Buku), Artikel dalam Jurnal Akademik/Profesional / Penilai Kertas Kerja Evaluator for (Publication), Manuscript (Books), Articles in Academic or Professional Journals / Assessor of Working Papers Sila nyatakan penyunting (jika berkaitan), tahun, judul dan nama jurnal/penerbit. <i>Please list editor (if applicable), year, title and name of journal/publisher.</i></p> <ol style="list-style-type: none"> Reviewer for technical paper, AWAM 99, Prosiding for Civil Engineering Conference AWAM 99, USM (5papers) Reviewer for technical paper, AWAM 99, Prosiding for Civil Engineering Conference AWAM 2001, USM (5 papers) Reviewer for technical paper, AWAM 99, Prosiding for Civil Engineering Conference AWAM 2004, USM (10papers) Panel Reviewer for Seminar for Continuing Education for School of Civil Engineering, 2001-2007 (20 students) Panel Reviewer for Area Specialist Civil Engineering, Encyclopedia Science and Technology, Malaysia, 1996-1999 Reviewer Journal Kolej Universiti Teknologi Tun Hussein Onn, Laterit menggunakan habuk kayu berdasarkan kajian komposisi fiziko-kimia dan Mikrostruktur, 2005 Reviewer for Technical Paper for National Conference AWAM2007, 6 papers 2007 Reviewer for Malaysian Journal of Civil Engineering, A model study on metallic strip-reinforced earth Wall, 2006 Reviewer For Journal Of Construction In Developing Country, Implementation of Environment Management System on Road Construction, 2007 (2 papers) Reviewer for International Journal of Engineering, Proposed dynamic soil pressure diagram on rigid walls, 2010 Reviewer for International Journal of Engineering, A Comparison of Underground Opening Support Design Methods in Jointed Rock Mass, 2010, Reviewer for International Journal of Engineering, Laboratory Evaluating the Semi-Circular Bend Test for HMA Mixtures,2011, Reviewer for International Journal of Engineering,Analysis Of The Moisture Absorption Of Fabric Composite (Glass Fiber/Epoxy Resin) . 2011 Reviewer for International Journal of Engineering, Computation Of Earthquake Response Via Fourier Amplitude Spectra . 2011 Reviewer for International Journal of Cleaner Production, Green modular design for material efficiency: a leader-follower joint optimization model, 2012 Reviewer for International Journal of Cleaner Production, , The Case of Water and Coca-Cola in India: Confronting Sustainability Challenges through Multiple Others, 2012 Reviewer for International Journal of Cleaner Production, Green IT: the advantages of this new paradigm no it landscape and the environmental impact of this positive trend, 2012 Reviewer for International Journal of Cleaner Production, Reducing environmental impact by increasing

	<p>strength of concrete : quantification of the improvement for concrete bridges, 2012</p> <p>19. Reviewer for International Journal of Cleaner Production, The Role Of Stakeholders In Introducing Sustainable Consumption: A Study Of The Electricity Sector In Brazil, 2012</p> <p>20. Reviewer for International Journal of Cleaner Production, Utilization of municipal solid waste incineration bottom ash in blended cement, 2012</p> <p>21. Reviewer for International Journal of Cleaner Production, Energy balance of farming systems in the north of Iran and options to improve energy use efficiency, 2012</p> <p>22. Reviewer for International Journal of Cleaner Production, Use of a WMA additive to improve the production conditions and performance of asphalt rubber mixtures, 2012</p> <p>23. Reviewer for International Journal of Geosynthetics International, , Key Parameters for Tensile and Compressive Strength of Fiber-Reinforced Soil-Lime Mixtures, 2012</p> <p>24. Reviewer for International Journal of Civil Engineering and Construction Technology, Effect of Fines Mineralogy on the Oedometric Compressional Behavior of Reclaimed Sandy Soils, 2012</p> <p>25. Reviewer for International Conference on Advanced Material Engineering & Technology, Effect of Post Heated Concrete Cylinders Repaired with CFRP Reinforcement, 2012</p> <p>26. Reviewer for International Conference on Advanced Material Engineering & Technology, Analysis of Failure Mechanisms in Fatigue test of Reinforced Concrete Beam Utilizing Acoustic Emission, 2012</p> <p>27. Reviewer for International Conference on Advanced Material Engineering & Technology, Effect of Blockage Size on Pipe Vibration, 2012</p> <p>28. Peer Reviewer of International Journal of Environmental Monitoring and Analysis, The analysis for heat island effect changes in Guiyang City base on remote sensing, 2014</p> <p>29. 2014</p> <p>30. Reviewer for Earth Sciences (EARTH), Palynofacies And Source Rock Potential Of The ST-7H Well, Offshore Tano Basin, Western Ghana,CANIVY (Science Publishing Group), 2014</p> <p>31. Reviewer for Geomechanics & Geoengineering, Consolidation Of Gypsum Soil With A Special Restorative, 2014</p> <p>32. Reviewer for Soils And Foundations, Cyclic Resistance Of Two Unsaturated Silty Sands Against Soil Liquefaction, 2014</p> <p>33. Reviewer for Composites, , Development Of Degradable & Bioactive Composite As Bone Implants By Incorporation Of Mesoporous Bioglass Into Poly (L- Lactide), 2014</p> <p>34. Reviewer for International Journal of Cleaner Production, Gaps In The Development Of New Materials & Products For Australian Residential Buildings, 2014</p> <p>35. Reviewer for International Journal of Cleaner Production, Investigating the Impacts of Organizational Maturity on Project-level Maturity in Sustainable Construction, 2015</p> <p>36. Reviewer for International Journal of Cleaner Production, Sustainable user innovation from a policy perspective: A systematic literature review, 2015</p> <p>37. Reviewer for International Journal of Cleaner Production, Strength and Microstructural Properties of Fly Ash based Geopolymer Concrete containing High-Calcium and Water-Absorptive Aggregate, 2015</p> <p>38. Reviewer for International Journal of Cleaner Production , The GBM numerical simulation of UCS experiment under thermal mechanical coupling effect, 2015</p> <p>39. Reviewer for International Journal of Cleaner Production, Development of A Computerized Risk Management System for International NPP EPC Projects, 2015</p> <p>40. Reviewer for International Journal of Environmental Monitoring and Analysis, The analysis for heat island effect changes in Guiyang City base on remote sensing, 2015</p> <p>41. Reviewer for Journal of Engineering Science and Technology, Shear Strength, Collapsibility And Compressibility Characteristics Of Compacted Baiji Dune Soils, 2015</p> <p>42. Reviewer for International Journal of Engineering Analysis of Loess Slope Stability Considering Cracking and Shear Failures, , 2015</p> <p>43. Reviewer for Road Materials and Pavement Design, An Analysis of Characteristics and Strength Mechanisms of Gussasphalt, 2015</p> <p>44. Reviewer for Road Materials and Pavement, Road Materials and Pavement Design, An Analysis of Characteristics and Strength Mechanisms of Gussasphalt, 2015</p> <p>45. Reviewer for International Journal of Cleaner Production, Strength and Microstructural Properties of Fly Ash based Geopolymer Concrete containing High-Calcium and Water-Absorptive Aggregate, 2015</p> <p>46. Reviewer for KSCE Journal of Civil Engineering, Three dimensional centrifuge and numerical modeling of pile group due to twin tunnelling in different depth U, 2015</p> <p>47. Reviewer for International Journal Geomechanics and Engineering, Physical and numerical modeling of buried pipelines subjected to dip-slip faulting,2016</p> <p>48. Reviewer for KSCE Journal of Civil Engineering, The Grain-Based Model Numerical Simulation of Unconfined Compressive Strength Experiment Under Thermal-Mechanical Coupling Effect, 2016</p> <p>49. Reviewer for KSCE Journal of Civil Engineering, Hyperbolic Model To Evaluate Uplift Force On Pile In Expansive Soils, 2016</p> <p>50. Reviewer for International Journal of Engineering, Experimental Investigation of Soil Stabilization with Copper Slag and Cement and Lime Additives, 2016</p> <p>51. Reviewer for International Journal Of Engineering, Numerical Investigation of Subgrade Reaction Coefficient in Sand Soils of Bandar Abbas City, 2016</p> <p>52. Reviewer for Journal of Lowland Technology International, Damages And Causative Factors of 2015 Strong Nepal Earthquake And Directional Movements of Infrastructures In The Kathmandu Basin And Along The Araniko Highway, 2016</p>
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53. Reviewer of International Journal of Environmental Science and Technology, Applications Of Remote Sensing, Hydrology And Geophysics For Flood Analysis, 2016
54. Reviewer for Geotechnical Testing Journal, Laboratory Test of Assessing TBM Clogging Potential and Evaluating the Performance of Additives, 2017
55. Dr. Agr. Yoshiaki Kikuchi, Editor Soils and Foundations, 2017, Laboratory evaluation of Resilient Modulus in the Fiber-Reinforced Soil
56. Reviewer for International Journal of Geomechanics and Engineering, Laboratory Study into the Effects of Relative Density and Sample Preparation on the Mechanical Behavior of Overconsolidated Granular Sandy Soils, 2017
57. External Peer Reviewer For External Validation of SAR, 2017, External Peer Reviewer For External Validation of SAR KSCE-D-17-00049 Research Paper, Artificial ground freezing in tunnelling through aquifer soil layers: a case study in Nanjing Metro Line, 2017Jun 20, Yong Liu,
58. Reviewer for KSCE Journal of Civil Engineering KSCE-D-15-00862 Research Paper, Cement-Based Fracture Grouting Phenomenon of Weathered Granite Soil Completed 2015Nov 30, In-Mo Lee,
59. Reviewer for KSCE Journal of Civil Engineering KSCE-D-14-00784R1 Research Paper, Development of A Computerized Risk Management System for International NPP EPC Projects 2015Oct 15, Sanghyeok Kang,
60. Reviewer for KSCE Journal of Civil Engineering KSCE-D-15-00471 Research Paper Effect of nanocomposite on the strength parameters of soil 2015Aug 27, Foad Changizi
61. Reviewer for KSCE Journal of Civil Engineering KSCE-D-16-01899 Research Paper, Evaluation of Relative Density and Friction Angle Based on SPT-N values 2017Jan 16, 201731 Hassan Mujtaba,
62. Reviewer for KSCE Journal of Civil Engineering KSCE-D-18-00134 Research Paper, Experimental investigation of soil - structure - pipe interaction Jul 22, Selçuk Bildik
63. Reviewer for KSCE Journal of Civil Engineering KSCE-D-18-00134R Research Paper, Experimental investigation of soil - structure - pipe interaction , 2018Dec 17, 201832 Selçuk Bildik
64. Reviewer for KSCE Journal of Civil Engineering KSCE-D-18-00134R Research Paper, Experimental investigation of soil - structure - pipe interaction 2019Jun 16, 20190 Selçuk Bildik
65. Reviewer for KSCE Journal of Civil Engineering KSCE-D-16-01931 Technical Note, Field monitoring of stress changes, fractures and deformation in backfilled strip mining 2017Jan 16 Shuqi Ma
66. Reviewer for KSCE Journal of Civil Engineering KSCE-D-15-0100 Research Paper, Hyperbolic Model To Evaluate Uplift Force On Pile In Expansive Soils 2016Apr 03, Soundara Balu
67. Reviewer for KSCE Journal of Civil Engineering KSCE-D-18-00608 Research Paper, Investigation of Groundwater Pollution Minimization Using Compacted Bentonite Barriers May 13, 2018 thair jabbar alfatlwi,
68. Reviewer for KSCE Journal of Civil Engineering KSCE-D-19-00263 Research Paper, Post Buckling Behavior of Slender Piles Partially Embedded in Sandy Soil under Axial Load, Apr 18, 2019 Ali Basha
69. Reviewer for KSCE Journal of Civil Engineering KSCE-D-15-00228 Research Paper, The Grain-Based Model Numerical Simulation of Unconfined Compressive Strength Experiment Under Thermal-Mechanical Coupling Effect Nov 30, 2015 Tianbin Li
70. Reviewer for KSCE Journal of Civil Engineering KSCE-D-15-00228R Research Paper, The Grain-Based Model Numerical Simulation of Unconfined Compressive Strength Experiment Under Thermal-Mechanical Coupling Effect Sep 30, 2016 Tianbin Li
71. Reviewer for KSCE Journal of Civil Engineering KSCE-D-15-00843 Research Paper, Three-dimensional centrifuge and numerical modeling of pile group due to twin tunnelling in different depth Dec 27, 2015 Shaokun Ma
72. Reviewer for KSCE Journal of Civil Engineering KSCE-D-18-00350 Research Paper, Using Risk-based Robustness Index based on Risk Analysis in Seismic Improvement of Structure Apr 03, 2018 Hadi Faghihmaleki,
73. Reviewer for KSCE Journal of Civil Engineering KSCE-D-18-00350R Research Paper, Using Risk-based Robustness Index based on Risk Analysis in Seismic Improvement of Structure Jul 26, 2018 Hadi Faghihmaleki,
74. Reviewer for KSCE Journal of Civil Engineering KSCE-D-18-00350R Research Paper, Using Risk-based Robustness Index based on Risk Analysis in Seismic Improvement of Structure, Aug 30, 2018 Hadi Faghihmaleki,
75. Reviewer for KSCE Journal of Civil Engineering KSCE-D-19-01974R Research Paper, Effect of Temperature on the Strength Characteristics of Unsaturated Silty Clay in Seasonal Frozen Region Apr 12, 2020 Jongwon Jung,
76. Reviewer for KSCE Journal of Civil Engineering KSCE-D-19-01893 Research Paper Numerical Simulation of Temperature Effects on Mechanical Behavior of the Railway Tunnel in Tibet Mar 20, 2020 Jinhyun Choo,
77. Reviewer for International Journal Geotechnical And Geological Engineering, Physical Analysis for Slope Stability at Shah Alam, Selangor, 2018,
78. Reviewer for International Journal Geotextiles and Geomembranes, Required Strength of Geosynthetics In a Reinforced Slope With Tensile Strength Cut-Off Subjected To Seepage Effect, 2018,
79. Reviewer for International Journal Geotextiles and Geomembranes, Biodegradable geotextiles – An overview of existing and potential materials, 2018,
80. Reviewer for International Journal of Geotechnical And Geological Engineering, A case study on geohazard assessment of landslides in south Brazil, 2019, Effects of surface Geology and topography on the damage severity during the 2015 Gorkha Nepal
81. Earthquake, 2017, Effects of surface Geology and topography on the damage severity during the 2015 Gorkha

	<p>Nepal Earthquake</p> <p>82. External Peer Reviewer For External Validation of SAR, 2017, External Peer Reviewer For External Validation of SAR</p> <p>83. Physical Analysis for Slope Stability at Shah Alam, Selangor, 2018, GEOTECHNICAL AND GEOLOGICAL ENGINEERING</p> <p>84. Required strength of geosynthetics in a reinforced slope with tensile strength cut-off subjected to seepage effect, 2018, Geotextiles and Geomembranes</p> <p>85. Biodegradable geotextiles – An overview of existing and potential materials, 2018, Geotextiles and Geomembranes</p> <p>86. internantional Advisor and Technical Committee GIZ2018, 2018, GIZ2018 Conference</p> <p>87. A case study on geohazard assessment of landslides in south Brazil, 2019, GEOTECHNICAL AND GEOLOGICAL ENGINEERING</p> <p>88. Review Lowland Technology International Journal, Characteristics of Cement Treated Soil: A Case Study from SoftBangkok Clay and Red Soil of Nepal, March 2020</p> <p>Conference (Sopus) Paper review</p> <ol style="list-style-type: none"> 1. Reviewer for several papers for International Conference on Advanced Material Engineering (ICAMET 2012), Trans Tech Publications Inc. (more then 5 papers) 2. Reviewer for The 4th International Malaysia-Ireland Joint Symposium On Engineering, Science & Business, Sustainable Construction Through Industrialised Building System (IBS): A Study In Malaysian Leading Companies, 2014, 3. Reviewer for The 4th International Malaysia-Ireland Joint Symposium On Engineering, Science & Business, The Effect Of Three Different Types Of Rice Husk Ash As Ad Mixture For Ordinary Portland Cement, 2014 4. Reviewer for AWAM International Conference on Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12), An Assessment of Physical and Mechanical Properties of Dispersive Clay Treated with Lime, 2012 5. Reviewer for AWAM International Conference on Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12), Evaluation of the Critical Hydraulic Gradient of Core Materials in an Earth Dam, 2012 6. Reviewer for AWAM International Conference on Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12), Prediction of landslide using Rainfall Intensity-Duration Threshold along East-West Highway, Malaysia, 2012 7. Reviewer for AWAM International Conference on Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12), Geometric Approach to Empirical Analysis of Landslide Disaster Prediction, 2012 8. Reviewer for AWAM International Conference on Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12), The relationship between the ground shear strain on the shore characteristics and abrasion on the west shore province of Bengkulu- Indonesia, 2012 9. Reviewer for AWAM International Conference on Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12), Air-water phase 3D groundwater modeling of the slope a a boudary between Kelantan and Terengganu Malaysia, 2012 10. Reviewer for AWAM International Conference on Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12), Landslide Hazard Zonation Using Analytical Hierarchical Processing (AHP) Method, 2012 11. Reviewer for AWAM International Conference on Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12), Land Classification based on Sediment Yield Production (Case study: Eyvanakey Watershed-Iran), 2012 12. Reviewer for AWAM International Conference on Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12), Deterministic rainfall induced landslide approaches, advantage and limitation, 2012 13. Reviewer for AWAM International Conference on Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12), Harbor Preparation against the Earthquake, 2012 14. Reviewer for International Conference on Advanced Material Engineering & Technology, Prediction of compressive strength of plain concrete confined with Ferrocement using artificial neural network (ANN) and comparison with existing theoretical models, 2012 15. Reviewer for International Conference on Advanced Material Engineering & Technology, The Effect of Curing Time on The Properties of Fly Ash Geopolymer Bricks, 2012 16. Reviewer for International Conference on Advanced Material Engineering & Technology, Effect of Curing Regime on Compressive Strength of Concrete Containing Malaysian Laterite Aggregate, 2012 17. Reviewer for International Conference on Advanced Material Engineering & Technology, effect of limestone on the properties of heat treated concrete, 2012 18. Reviewer for International Conference on Advanced Material Engineering & Technology, Classification of Damage Mode of Reinforced Concrete Beams using Acoustic Emission Technique, 2012 19. Reviewer for International Conference on Advanced Material Engineering & Technology,Preparation of fly ash-based lightweight aggregate geopolymer concrete, 2012 20. Reviewer for International Conference on Advanced Material Engineering & Technology, Exploratory Study of Oil PalmShell as Partial Sand Replacement in Concrete, 2012 21. Internantional Advisor, Technical Committee and Paper Reviewer GIZ2012, 2012, GIZ2012 Conference 22. Internantional Advisor, Technical Committee and Paper Reviewer GIZ2014, 2014, GIZ2018 Conference 23. Internantional Advisor, Technical Committee and Paper Reviewer Internantional Advisor and Technical Committee GIZ2016, 2016, GIZ2018 Conference
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24. International Advisor, Technical Committee and Paper Reviewer GIZ2018, 2018, GIZ2018 Conference

**(iii) Penilai Teknikal / Penilai Bagi Permohonan Geran
Technical Assessor / Assessor for Grant Application**

Sila berikan maklumat

Please provide details.

1. **Panel Penilai** Permohonan Geran Penyelidikan SCIENCEFUND FASA 2013 - 2014,
2. **Panel Penilai** Geran Pra Pengkomersilan Dana Inovasi Awal 2014, (University)
3. **Panel Penilai** Mock Pesentation TRGS, 2018, KPT (University)
4. **Panel penilai** Mock Pesentation LRGS, 2018, KPT (University)
5. **Panel Hakim** bagi Novel Research and Innovation Competition (NRIC 10) 2010
6. **Panel Hakim** bagi Novel Research and Innovation Competition (NRIC 12) 2012
7. **Panel Hakim** bagi Novel Research and Innovation Competition (NRIC 13) 2013
8. **Panel Hakim** bagi Novel Research and Innovation Competition (NRIC 14) 2014
9. **Panel Hakim** bagi Novel Research and Innovation Competition (NRIC 15) 2015
10. **Panel Hakim** bagi Novel Research and Innovation Competition (NRIC 16) 2016
11. **Panel Hakim** bagi Novel Research and Innovation Competition (NRIC 17) 2017
12. **Panel Pembentangan** Geran Penyelidikan UPSI, 2016
13. **Panel Pembentangan** Geran Penyelidikan UPSI, 2017

14. **Panel Penilaian** Dana Penyelidikan Fundamental (FRGS), Kluster Technology dan Kejuruteraan, Kementerian Pendidikan Tinggi, KPM, Fasa 1&2, 2013
15. **Panel Penilaian** Dana Penyelidikan Fundamental (FRGS), Kluster Technology dan Kejuruteraan, Kementerian Pendidikan Tinggi, KPM, Fasa 1&2, 2014
16. **Panel Penilaian** Dana Penyelidikan Fundamental (FRGS), Kluster Technology dan Kejuruteraan, Kementerian Pendidikan Tinggi, KPM, Fasa 1&2, 2015
17. **Panel Penilaian** Dana Penyelidikan Fundamental (FRGS), Kluster Technology dan Kejuruteraan, Kementerian Pendidikan Tinggi, KPM, Fasa 1&2, 2016
18. **Panel Penilaian** Dana Penyelidikan Fundamental (FRGS), Kluster Technology dan Kejuruteraan, Kementerian Pendidikan Tinggi, KPM, Fasa 1&2, 2017
19. **Panel Penilaian** Dana Penyelidikan Fundamental (FRGS), Kluster Technology dan Kejuruteraan, Kementerian Pendidikan Tinggi, KPM, Fasa 1&2, 2018
20. **Panel Penilaian** Dana Penyelidikan Fundamental (FRGS), Kluster Technology dan Kejuruteraan, Kementerian Pendidikan Tinggi, KPM, Fasa 1&2, 2019
21. **Panel Penilaian** Dana Penyelidikan Fundamental (FRGS), Kluster Technology dan Kejuruteraan, Kementerian Pendidikan Tinggi, KPM, Fasa 1, 2020

22. **Panel Penaziran** dan Penilaian Permohonan Skim Geran Penyelidikan Fundamental (FRGS), kluster T&K, KPM, Fasa 1-2/2014
23. **Panel Penaziran** dan Penilaian Permohonan Skim Geran Penyelidikan Fundamental (FRGS), kluster T&K, KPM, Fasa 1-2/2015
24. **Panel Penaziran** dan Penilaian Permohonan Skim Geran Penyelidikan Fundamental (FRGS), kluster T&K, KPM, Fasa 1-2/2016
25. **Panel Penaziran** dan Penilaian Permohonan Skim Geran Penyelidikan Fundamental (FRGS), kluster T&K, KPM, Fasa 1-2/2017
26. **Panel Penaziran** dan Penilaian Permohonan Skim Geran Penyelidikan Fundamental (FRGS), kluster T&K, KPM, Fasa 1-2/2018
27. **Panel Penaziran** dan Penilaian Permohonan Skim Geran Penyelidikan Fundamental (FRGS), kluster T&K, KPM, Fasa 1-2/2019
28. **Panel Penaziran** dan Penilaian Permohonan Skim Geran Penyelidikan Fundamental (FRGS), kluster T&K, KPM, Fasa 1/2020

29. **Panel Penilaian** Permohonan Skim Geran Penyelidikan Prototaip (PRGS), Kluster T&K, KPM, 2014
30. **Panel Penilaian** Permohonan Skim Geran Penyelidikan Prototaip (PRGS), Kluster T&K, KPM, 2015
31. **Panel Penilaian** Permohonan Skim Geran Penyelidikan Prototaip (PRGS), Kluster T&K, KPM, 2016
32. **Panel Penilaian** Permohonan Skim Geran Penyelidikan Prototaip (PRGS), Kluster T&K, KPM, 2017
33. **Panel Penilaian** Permohonan Skim Geran Penyelidikan Prototaip (PRGS), Kluster T&K, KPM, 2018
34. **Panel Penilaian** Permohonan Skim Geran Penyelidikan Prototaip (PRGS), Kluster T&K, KPM, 2019
35. **Panel Penilaian** Permohonan Skim Geran Penyelidikan Prototaip (PRGS), Kluster T&K, KPM, 2020

36. **Panel Penilaian** Sesi Penilaian Dan Pembentangan Permohonan Skim Geran Penyelidikan Pembangunan Prototaip (PRGS) Fasa 1, Tahun 2015
37. **Panel Penilaian** Sesi Penilaian Dan Pembentangan Permohonan Skim Geran Penyelidikan Pembangunan Prototaip (PRGS) Fasa 1, Tahun 2016
38. **Panel Penilaian** Sesi Penilaian Dan Pembentangan Permohonan Skim Geran Penyelidikan Pembangunan

<p>Prototaip (PRGS) Fasa 1, Tahun 2017</p> <p>39. Panel Penilaian Sesi Penilaian Dan Pembentangan Permohonan Skim Geran Penyelidikan Pembangunan Prototaip (PRGS) Fasa 1, Tahun 2018</p> <p>40. Panel Penilaian Sesi Penilaian Dan Pembentangan Permohonan Skim Geran Penyelidikan Pembangunan Prototaip (PRGS) Fasa 1, Tahun 2019</p> <p>41. Panel Penilaian Sesi Penilaian Dan Pembentangan Permohonan Skim Geran Penyelidikan Pembangunan Prototaip (PRGS) Fasa 1, Tahun 2020 (online)</p> <p>42. Panel Penilaian Sesi Penilaian Dan Pembentangan Akhir Skim Geran Penyelidikan Pembangunan Prototaip (PRGS), Tahun 2015</p> <p>43. Panel Penilaian Sesi Penilaian Dan Pembentangan Akhir Skim Geran Penyelidikan Pembangunan Prototaip (PRGS), Tahun 2016</p> <p>44. Panel Penilaian Sesi Penilaian Dan Pembentangan Akhir Skim Geran Penyelidikan Pembangunan Prototaip (PRGS), Tahun 2017</p> <p>45. Panel Penilaian Sesi Penilaian Dan Pembentangan Akhir Skim Geran Penyelidikan Pembangunan Prototaip (PRGS), Tahun 2018</p> <p>46. Panel Penilaian Sesi Penilaian Dan Pembentangan Akhir Skim Geran Penyelidikan Pembangunan Prototaip (PRGS), Tahun 2019</p> <p>47. Panel Penilaian Sesi Pembentangan Permohonan Bagi Projek Penyelidikan Di Bawah Kerjasama Teknikal Dalam Bidang Sains Dan Teknologi Antara Kerajaan Malaysia Dengan Kerajaan Jepun Bagi Tahun Kewangan, Pengerusi Panel, 2020, KPM</p> <p>48. Panel Penilaian Bagi Pembentangan Laporan Prestasi Dan Kewangan Projek Penyelidikan Di Bawah Skim Geran Penyelidikan Pembangunan Prototaip (PRGS) FASA 1/2015, KPM, 2016</p> <p>49. Panel Penilaian Bagi Pembentangan Laporan Prestasi Dan Kewangan Projek Penyelidikan Di Bawah Skim Geran Penyelidikan Pembangunan Prototaip (PRGS) FASA 1/2016, KPM, 2017</p> <p>50. Panel Penilaian Bagi Pembentangan Laporan Prestasi Dan Kewangan Projek Penyelidikan Di Bawah Skim Geran Penyelidikan Pembangunan Prototaip (PRGS) FASA 1/2017, KPM, 2018</p> <p>51. Panel Penilaian Bagi Pembentangan Laporan Prestasi Dan Kewangan Projek Penyelidikan Di Bawah Skim Geran Penyelidikan Pembangunan Prototaip (PRGS) FASA 1/2018, KPM, 2019</p> <p>52. External Evaluator for External Grant:, YUTP Fundamental Research Grant (FRG) Ocean Wave Energy Visualization By Integrated Lattice Boltzmann Method And Geographic Information System In Coasts Of Malaysia, UTP, 2018</p> <p>53. External Evaluator for External Grant:, YUTP Fundamental Research Grant (FRG) 2020., 22/08/2019-31/08/2019, UTP</p> <p>54. External Evaluator for External Grant:, YUTP Fundamental Research Grant (FRG) 2020., 22/08/2019-31/08/2019, UTP</p> <p>55. Panel Penilai Geran Fundamental Research Grant Scheme (FRGS), 2012, USM</p> <p>56. Panel Penilai Geran Fundamental Research Grant Scheme (FRGS), 2013, USM</p> <p>57. Panel Penilai Geran Fundamental Research Grant Scheme (FRGS), 2014, USM</p> <p>58. Panel Penilai Geran Fundamental Research Grant Scheme (FRGS), 2016, USM</p> <p>59. Panel Penilai Geran Fundamental Research Grant Scheme (FRGS), 2017, USM</p> <p>60. Panel Penilai Geran Fundamental Research Grant Scheme (FRGS), 2018, USM</p> <p>61. Panel Penilai Geran Fundamental Research Grant Scheme (FRGS), 2019, USM</p> <p>62. Panel Penilai Geran Fundamental Research Grant Scheme (FRGS), 2020, USM</p> <p>63. Panel Penilai Geran Prototaip Research Grant Scheme (PRGS): Fasa 1 dan 2, 2016, USM</p> <p>64. Panel Penilai Geran Prototaip Research Grant Scheme (PRGS): Fasa 1 dan 2, 2017, USM</p> <p>65. Panel Penilai Geran Prototaip Research Grant Scheme (PRGS): Fasa 1 dan 2, 2018, USM</p> <p>66. Panel Penilai Geran Prototaip Research Grant Scheme (PRGS): Fasa 1 dan 2, 2019, USM</p> <p>67. Panel Penilai Geran Prototaip Research Grant Scheme (PRGS): Fasa 1 dan 2, 2020, USM</p> <p>68. Panel Penilai Kertas Konsep Transdisiplinari Research Grant Scheme (TRGS) FASA 1/2018, USM</p> <p>69. Panel Penilai Kertas Konsep Transdisiplinari Research Grant Scheme (TRGS) FASA 1/2018, USM</p> <p>70. Panel Penilaian Pemantauan Geran Universiti Penyelidikan 2018, USM</p> <p>71. Panel Penilaian Pemantauan Geran Universiti Penyelidikan 2019, USM</p> <p>72. Panel Penilaian Pemantauan Geran Universiti Penyelidikan 2020, USM</p> <p>73. Panel Penilai Geran Universiti Penyelidikan (RUI) bagi Kluster Kejuruteraan dan Tekonologi 2016, USM</p> <p>74. Panel Penilai Geran Universiti Penyelidikan (RUI) bagi Kluster Kejuruteraan dan Tekonologi 2017, USM</p> <p>75. Panel Penilai Geran Universiti Penyelidikan (RUI) bagi Kluster Kejuruteraan dan Tekonologi 2018, USM</p> <p>76. Panel Penilai Geran Universiti Penyelidikan (RUI) bagi Kluster Kejuruteraan dan Tekonologi 2019, USM</p> <p>77. Panel Penilai Geran Universiti Penyelidikan (RUI) bagi Kluster Kejuruteraan dan Tekonologi 2020, USM</p> <p>78. Ketua Panel Temuduga USM Fellowship Ambilan 2/2019 Sidang Akademik 2019/2020 (Kluster Kejuruteraan</p>
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	<p>& Teknologi),2019, USM (University)</p> <p>(iv) Ahli Badan Akademik / Panel Forum Saintifik Member of Academic Body / Scientific Forum Panel Sila berikan maklumat <i>Please provide details</i></p> <ol style="list-style-type: none"> 1. Member of a Panel Discussion, Forum, Makmal Pembangunan Bakat, 2013 2. Member of a Panel Discussion, Forum , Sustainable Engineered Solution To Current Geotechnical & Environmental Challenges", 2013 3. Member of a Panel Discussion, Forum , TECHNICAL TALK, IEM MALAYSIA, 2013 4. Member of a Panel Discussion, Forum, Bengkel Penilaian Permohonan Skim Geran Ergs 2013 5. Member of a Panel Discussion,Forum, Kem Penulisan Tesis Pelajar Siswazah Bersama Penyelia, 2014 6. Member of a Panel Discussion, FORUM : Sustainable Engineered Solutions To Current Geotechnical & Environmental Challenges, 2014 7. Member of a Panel Discussion,Forum : Program Bersama Timbalan Dekan IPS USM, 2014 8. Member of a Panel Discussion, Forum : Kursus Dalam Staf IPS, 2014 9. Scientific Committee, 5th International Conference for Engineering and Sustainability-Faculty of Engineering-Islamic University of Gaza and Universiti Sains Malaysia, 2014 10. Member of a Panel Discussion, Forum : Bengkel Penyediaan Proposal Penyelidikan 'Flood Related Research' 2015 11. Member of a Panel Discussion, Forum: BENGKEL "WOMEN'S ACADEMIC LEADERSHIP: EXPERIENCES OF RESEARCH UNIVERSITY". 12. Member of a Panel Discussion ,Forum : IPS TOWNHALL MEETING 2015 13. Member of a Panel Discussion, Forum : BENGKEL PENGHASILAN DOKUMEN CADANGAN PENYELIDIKAN DAN MESYUARAT KUMPULAN 4: INTEGRATED LAND RESOURCES MANAGEMENT DI BAWAH JAWATANKUASA TEKNIKAL PENYELIDIKAN GEOINFORMASI / GEOMATIK KEBANGSAAN (JTPGGK) 14. Member of a Panel Discussion, Forum : BENGKEL PRA MESYUARAT PEMERIKSAAN BAJET DAN PERMOHONAN PROGRAM 15. /SAMBUNGAN/ BARU BAGI RP1 (2016-2017) DI BAWAH RMKE11 16. Member of a Panel Discussion,Forum: BENGKEL PENILAIAN PERMOHONAN GERAN PRGS BIL. 1/2015 (PERINGKAT USM) 17. Committee Member, Soft Soil Engineering Conference 2015 18. Advisor Committee, International Conference on Geotechnical and Highway Engineering GEOTROPIKA 2016, Feb 2016, Kuala Lumpur, Malayisa 19. Advisor Committee, 6th Regional Conference on Geosynthetics, Nov 2016, New Delhi, India 20. 2016, New Delhi, India 21. JAWATANKUASA PENYELIDIKAN & INOVASI, CAWANGAN KEJURUTERAAN GEOTEKNIK (JKPI, CKG) JKR MALAYSIA, , 2016, National 22. Pengerusi 2 Jawatankuasa Induk Untuk Program Got E U Anjuran Jabatan Pendidikan Tinggi, Majlis Dekan Pengajian Siswazah Dan Untverstt Teknologt Mara (UITM), 2016, National 23. Ahli Majlis Dekan Pengajian Siswazah (MDPS), 2016, National 24. Ketua Program Dan Timbalan Pengerusi, Internationla Forum On Graduate Education 2017
(e)	<p>Lembaga Penyunting Editorial Board Sila nyatakan pangkat, judul jurnal dan tempoh pelantikan. <i>Please list position, name of journal and duration of appointment.</i></p> <ol style="list-style-type: none"> 1. Guest Editor Lowlanf Technology International Journal

3.0 SANJUNGAN AKADEMIK DAN KEPEMIMPINAN ACADEMIC RECOGNITION AND LEADERSHIP	
(f)	<p>Penyampai Ucaptama (Persidangan /Seminar/Symposium dan lain-lain forum akademik / profesional) Keynote Speaker (Conference /Seminar/Symposium and other similar academic / professional forums) Keynote Speaker</p> <ol style="list-style-type: none"> 1. 2011, Keynote Speaker, Advances In Geotechnical Engineering Towards Innovation And Sustainable Environment, MPUK, International Conference of Humanities, Social Science and Science and Technology 2011 (ICHSS'T'11). (International)

	<ol style="list-style-type: none"> 2. 2015, Keynote Speaker, Development of Low Cost Soil Stabilization Using Recycled And Related Material, UTHM, JKR, CIDB and MYIGS, Soft Soil Engineering International Conference 2015 (International) 3. 2015, Development Of Low Cost Soil Stabilization Using Recycled And Related Material, Resort World Langkawi, Kedah, Malaysia, 27/10/2015- 29/10/2015, (International) 4. 2014, Keynote Speaker, Application Of 8R Mat for Soil Stabilization on Soft Soil Condition, University College Of Technology Sarawak, Peat Technology - Opportunities and challenges seminar (National) 5. 2015, Keynote Speaker, Soil Strength Improvement using Polymer Stabilizer for Road Construction, UCTS & UTHM, PEAT Technology: Opportunities And Challenges (National) Modeling of tyre-mat (8R-MAT) reinforced riverbank using PLAXIS, Kumamoto University, Japan, 9/11/2015- 13/11/2015, International 6. 2015, Keynote, Designing Retaining Structures Using Recycled and Its Related Material, Seminar JKR, Dewan Tan Sri Mahfos Khalid, Jalan Sultan Salahuddin,JKR Kuala Lumpur, 16/12/2015- 16/12/2015, (National) 7. 2015,Keynote, Soil Strength Improvement using Polymer Stabilizer for Road Construction, Seminar Peat Soil, University College of Technology Sarawak, Sibu, 1/12/2015- 2/12/2015, National 8. 2015, Keynote Speaker, Challenges of Women in Science at Universiti Sains Malaysia, Dewan Persidangan University, USM, Penang, 29/9/2015- 29/9/2015, (National) 9. 2016, Keynote Speaker, Mapping of Soil Type Using Kriging Technique in Highland Area of Kundasang, Sabah, Asian Technical Committee 10, Nepal Geotechnical Society and Japanese Geotechnical, GIS and Geoinformation Zoning for Disaster Mitigation (GIZ2016) (International) 10. 2017, Keynote Speaker, The Community Slope Safe Awareness at Bukit Antarabangsa Kuala Lumpur, Bangkok Thailand, AIT, Bangkok (International) 11. 2019, Keynote Speaker, Slope Failure, Erosion and Flood Due to Effect of Climate Change in Penang Island, Shanghai, China, Guizhou Minzu University, China, 2019 4th International Conference on Minerals Source, Geotechnology and Civil Engineering (MSGCE 2019) (International) 12. 2019, Keynote Speaker, The Application of Geotechnical Engineering in National Infrastructure Development; Challenges, Solutions, and Innovations), JW Marriot Medan, Medan, Indonesia, Indonesian Society for Geotechnical Engineering, Indonesian Society for Geotechnical Engineering – ISGE (International) <p style="text-align: center;">International</p> <ol style="list-style-type: none"> 13. 2002, Invited Speaker F Ahmad , R Hamir, S Mohd and A S Yahaya, GIS Application on Slope Stability, IKRAM International Geotechnical Conference – 2, 28-29 Oct (2002) 14. 2005, Fauziah Ahmad(Invited Speaker), Norliana Sulaiman and Laili Nordin, “Paya Terubong Landslide Geohazard zonation using GIS as a case study”, Proceeding of 3rd Inter. Conference on Geotechnical Engineering combined with 9th yearly meeting of the Indonesian Society for Geotechnical Engineering, Geotechnical Engineering for Disaster Prevention and Rehabilitation, Graha Santika Hotel, Semarang, Central Java, Indonesia, 3-4 August, (2005) 15. 2007,Invited Speaker, F Ahmad, “Risk Assessment on landslide Hazard Zonation Map for Penang island Using GIS and Remote Sensing”, National Slope Master Plan, Workshop for Research and Development,5 nov 2007, Pearl International Hotel, Kuala Lumpur 16. 2007 Invited Speaker, “Slope Monitoring and Mitigation System for healthy campus of University Sains Malaysia”, National Slope Master Plan, Workshop for research and Development,5 nov 2007, Pearl International Hotel, Kuala Lumpur 17. 2009, Invited Speaker, “Inter Integrated Tunnel for Utility Facilities System in the City of Makkah Al-Mukarammah : A Feasibility Concept Study, 21-23 July2009, Seminart on Hajj research , Vistana Hotel 18. 2006, Invited Speaker, F Ahmad and S Mohd, Slope Monitoring and Mitigation System for healthy campus of University Sains Malaysia,Case History of Urban Geoinformatics, Asian Regional Technical committee No 10” urban Geo-informatics” of the International Society of Soil Mechanics and geotechnical Engineering, Dalian, China,August (2006) 19. 2006, Invited Speaker F Ahmad and S Lebai Din. Risk Assessment on landslide Hazard Zonation Map for Penang island Using GIS and Remote Sensing, Case History of Urban Geoinformatics, Asian Regional Technical cimmittee No 10 urban Geo-informatics” of the International Society of Soil Mechanics and geotechnical Engineering, Dalian, China, August (2006) International 20. 2007, Invited Speaker F Ahmad, T A Majid and FM Nazri, Seismic Hazard Analysis - Response Spectrum for Penang Soil, Case History of Urban Geoinformatics, Asian Regional Technical committee No 10” urban Geoinformatics” of the International Society of Soil Mechanics and geotechnical Engineering, Hanoi, Vietnam, Mac (2007)2007, Kuala Lumpur, Malaysia, Aun-Seed Net (Asean), Workshop on Geo-Disaster Mitigation in ASEAN:Towards Sustainability in Geo-environment, Geohazard, and Waste Management (University) 21. 2009, Invited Speaker F Ahmad, F Bateni and M Azmi, Evaluation of undrained performance of fibre reinforced Silty sand soil, 8th International Congress on Civil Engineering, May 11-13, 2009, Shiraz University, Shiraz, Iran, (2009) 22. 2009, Invited Speaker, Invited Speaker for The 1st Regional Workshop on Geo-Disaster Mitigation in ASEAN: Towards Sustainability in Geo-environment, Geohazard, and Waste Management, 3-4 March 2009, Invited Speaker and Invited Fasilitator - Strategic Planning For PPKKimia di Langkawi, PPKKimia USM, (International) 23. 2011, Invited Speaker, Development Of WILMS : Well Inform Landslide Monitoring System And Sustainable Preventive Measures , USM-AC, USM - ACADEMIA SINICA TAIWAN RESEARCH COLLABORATION WORKSHOP 22 February 2011 INFORMM, Universiti Sains Malaysia, Penang (International) 24. 2012, Invited Speaker, Supervisor-supervisee Relationship Division of Academic and International Affairs,
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	<p>USM, Kursus Kaedah Penyelidikan Siri I Tahun 2012 (University)</p> <ol style="list-style-type: none"> 25. 2012, Invited Speaker, Sharing Experience, Division of Academic and International Affairs, USM, Kursus Kaedah Penyelidikan Siri I Tahun 2012 (University) 26. 2012, Invited Speaker, Geo-Hazard in Malaysia, School of Civil Engineering, Universiti Sains Malaysia, Seminar on Geohazard (University) 27. 2013, Invited Speaker, International Sustainable Conference, , Centre For Global Sustainability Study, International Sustainable Conference On "POST RIO+20 ON WEHAB+3: A South East Asian Perspective" (International) 28. 2013, Invited Speaker, Young Women In Science, , Transkrian Hope Association Malaysia (TRAM), 3rd International Conference On The Advancement Of Materials And Nanotechnology (ICAMN 2013) (International) 29. 2014, Invited Speaker, Geotechnical Risk Mapping of Penang Based on Rainfall Events, Int Symposium Lowland Technology 2014, Saga University, Saga Japan, 29Sept – 1Oct 2014) 30. 2014, Invited Speaker, Working With Supervisor & Critical Thinking In Research, Bahagian Hal Ehwal Akademik& Antarabangsa, Kursus Kaedah Penyelidikan 2014 (University) 31. 2014, Invited Speaker, Georisk Assessment in Penang Island, ATC1 Meeting, Saga University, Saga, Japan 32. 2015, Invited Speaker, Soil Strength Improvement using Polymer Stabilizer for Road Construction, UCTS & UTHM, IConCEES International Workshop 2015 (International) 33. 2015, Invited Speaker, Innovation of Slope Protection and Current Research, Seminar IEM Penang Branch Sekretariat, Penang, 22/6/2015- 22/6/2015, National 34. Invited Speaker for Competition, USlopeM™ - An Innovative Slope Sustainability Software, Institute Teknologi Brunei, Brunei, 25/2/2015- 27/2/2015, International 35. 2015, Invited Speaker, Slope Failure at RST USM Hostel for Slope Improvement and Monitoring., Development Office, 29/12/2015- 29/12/2015, University 36. 2016, Invited Speaker, From Research to Innovation, School of Civil Engineering, 17/6/2016- 17/6/2016, University 37. 2016, Invited Speaker, Doctoral Education In Commonwealth Africa, Commonwealth Tertiary Education Facility (CTEF), Commonwealth of Learning (COL) and Higher Education, Research Workshop On "Doctoral Education In Commonwealth Africa" (International) 38. 2017, Invited Speaker, Hasil Kertas Cadangan : Halatuju Pengajian Slswazah Malaysia 2016-2025, BAHAGIAN KECAMERLANGAN JPT, KPM, PUTRAJAYA, 9/4/2015- 6/9/2015, National 39. 2017, Invited Speaker, Educate The Educators Program, Jarkarta Indonesia, Indonesian Chapter of International Geosynthetic Society, Educate The Educators Program (International) 40. 2017, Invited Speaker, Penceramah Jemputan, Auditorium Pusat Pengajian Pascasiswazah, Universiti Malaysia Sabah, Pusat Pengajian Pascasiswazah UMS (University)2018, Invited Speaker, Quality Assurance Workshop, Sher-E-Bangla Agriculture University, Dhaka, Sher-E-Bangla Agriculture University, Dhaka, Bangladesh, Workshop On Quality Assurance Practices (International) 41. 2018, Invited Speaker, Curriculum Development and OBE, Bangladesh Agricultural University, Mymensingh , Bangladesh nsingh , Seminar on Curriculum Development and OBE (International) 42. 2018, Invited Speaker, Curriculum Development and OBE, Patuakhali University Science and Technology, Pathuakhali, Bangladesh, seminar on Curriculum Development and OBE (International) 43. 2018, Invited speaker, Soil Mechncanics and Geotechnical Engineering, University of Veltech, Chennai, India (International) 44. 2018, Invited Speaker. F Ahmad, A.S. Yahaya, M Azmi and N Mustaza, GIS and Geoinformation Zoning for Disaster Mitigation International Conference (GIZ2018), University of Auckland, New Zealand 45. 2019, Invited Speaker, F Ahmad, AS Yahaya, M Azmi, N Mustaza, 2019, Slope Failure Due To Effect Damrey Typhoon In Penang Island ,First Himalayan Engineering Geological Congress (HEGC-I), Kathmandu, Nepal , May 2019 46. 2019, Invited Speaker, Slope Failure, Erosion and Flood Due to Effect of Climate Change in Penang Island, Seminar Geotechnik, Universiti Sumatera Utara, Medan, Indonesia, Sept 47. 2019, Invited Speaker, Landslide, Slope Stabilization and Ground Improvement Techniques using Geosynthetics, Seminar Kejuruteraan Sipil, University Medan, Medan , Indonesia Sept 48. 2019, Invited Speaker, Ground Improvement using Geosynthetics and its related material, Universitas negeri Medan, Setp 2019, 49. 2020, Invited Speaker, Landslide, Slope Stabilization and Ground Improvement Techniques using Geosynthetics, Seminar Kejuruteraan Sipil, UNHAS Makassar, indonesia, Seminar Kejuruteraan Geoteknik , Universitas Hassanudin, 27 Jan 2020 <p>Invited Speaker for Short Courses and Training:</p> <ol style="list-style-type: none"> 50. Short Course On Foundation Engineering, Geotextile And Related Material, USM, August 1991 51. Short Course On Site Investigation And Control Of Soil And Water Contamination, Soil Permeability, USM, May 1994 52. Short Course On Site Investigation And Control Of Soil And Water Contamination, Site Investigation, USM, May 1994 53. Short Course on Ground Investigation: Design Intrepretation and Soil Effectiveness, Site Investigation Planning, 1994 54. Short Course on Ground Investigation: Design Intrepretation and Soil Effectiveness, Laboratory Testing, USM, May 1994
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	<ol style="list-style-type: none"> 55. Short Course on Ground Investigation: Design Interpretation and Soil Effectiveness, In-Situ Testing, USM, May 1994 56. Short Course on Ground Investigation: Design Interpretation and Soil Effectiveness, Hands-on on Laboratory Testing, USM, May 1994 57. Short Course on Ground Investigation: Design Interpretation and Soil Effectiveness, Demonstration on In-situ Testing, USM, May 1994 58. Short Course On Site Investigation: Laboratory & In-Situ Testing, Laboratory Testing, USM, 1995 59. Short Course On Site Investigation: Site Investigation Planning, USM, May 1995 60. Short Course On Site Investigation: Site Reconnaissance, USM, May 1995 61. Short Course On Site Investigation: Introduction Of Laboratory Testing, USM, May 1996 62. Short Course On Site Investigation: Laboratory & In-Situ Testing, USM, May 1995 63. Short Course On Site Investigation: Hands-on and Demo for Laboratory & In-Situ Testing, USM, May 1995 64. Short Course On Understanding Civil Engineering Specification, USM, March 1997 65. In House Training , Theory of Geotechnical Engineering for technician, 1996, 1997, 1998 66. In House Training , Geotechnical Laboratory Testing for Technicians,USM, 1996, 1997, 1998 67. In House Training for Soil Mechanics for Technician, USM, 1996, 1997 68. In House Training for Academics, Thinking Techniques, USM, 2001, 2002 69. Facilitators for Academics, Curriculum Development For PTK3 (2courses, 2003) 70. Facilitators for Academics, Curriculum Development For PTK3 (2courses,2004) 71. Facilitators for Academics, Curriculum Development For PTK3 (2courses,2005) 72. Facilitators for Academics, Curriculum Development For PTK3 (2courses,2006) 73. Presenter for Academics, Pra PTK Teaching and Learning(2 Courses 2004 and 2005) 74. Facilitator for Academics, eLearning for PTK3 (2courses), 2003 75. Facilitator for Academics, eLearning for PTK3 (2courses), 2004 76. Facilitator for Academics, eLearning for PTK3 (2courses), 2005 77. Facilitator for Academics, eLearning for PTK3 (2courses), 2006 78. Training course for JPS, 29Jun-2 July2009, Site Investigation, Design and Construction of DID Structures in Soft Soils, JPS Unit Latihan Ipoh Perak, 2009 79. Training course for JPS, 29Jun-2 July2009, Soil Sampling and Instrumentation, Design and Construction of DID Structures in Soft Soils, JPS Unit Latihan Ipoh Perak,2009 80. Training course for JPS, 29Jun-2 July2009, Geotextile and Geosynthetic Application, Design and Construction of DID Structures in Soft Soils, JPS Unit Latihan Ipoh Perak, 2009 81. Training course for JPS, 29Jun-2 July2009, Geotextile and Geosynthetic Design, Design and Construction of DID Structures in Soft Soils, JPS Unit Latihan Ipoh Perak, 2019 82. Training course for JPS, 29Jun-2 July2009, Other related Material and Application, Design and Construction of DID Structures in Soft Soils, JPS Unit Latihan Ipoh Perak 83. Refresher Course for geotechnical engineering , "Site Investigation, 17-19 August 2009, UMS Engineering Campus, penang 84. Refresher Course for geotechnical engineering , Soil Sampling and Instrumentation, 17-19 August 2009, UMS Engineering Campus, penang 85. Refresher Course for geotechnical engineering , Slope Stability, 17-19 August 2009, USM Engineering Campus, penang
(g)	<p>Anugerah Inovasi Awards for Innovation Sila nyatakan penulis, tahun, tajuk, penganjur dan tempat. <i>Please list authors, year, title, organiser and venue.</i></p> <ol style="list-style-type: none"> 9. I-TEX 04 Gold Medalist for Wall Pro, MINDS 10. Geneve Award, Gold Medal for Wall Pro, 2005 11. Anugerah Penyelidik Cemerlang, 2005 12. I-Tex 2006 Bronze Medalist for Bio Geomat for soil Erosion and Slope Protection, 13. MTE2007 – Gold Medal,Pemenang Anugerah 14. Nominee for Malaysian Woman Inventor 2007 for MINDS, USM 15. PENCIPTA 2007, Nominated for participation, USM, Moste, Malaysia 16. INNOVA Eureka 2007, Silver medalisr, Brussel 17. Hadiah Sanjungan 2007–Kategori Produk Penyelidikan, Ketua penyelidik Mac2008, USM 18. Bio Malaysia 2008, Mac2008,Silver Medalist for Bio geomat for soil erosion and slope protection 19. SIIF2008, Disember 2008Seoul korea, Silver Medalis for Bio-Coat for earth reinforced material 20. KIWIE 2009, May 2009 Grand Prix Award for women inventor for Bio-coat for reinforced material , Korea, Seoul, (Korea Women's Inventors Association, Korea International Women's Invention Exposition ,KIWIE 2010) 21. KIWIE 2009, May 2009 Silver Medal Award for women inventor for WILMS- well inform Lamdslide Monitoring System 22. KIWIE 2010, May 2010 Gold medal Award for women inventor for 8R mat for earth retaining structure. 23. ENVEX 2010,May 2010 Gold Medal Award for Rubberized Mat for earth retaining Structure, UNIMAP, Perlis

	<p>Malaysia</p> <ol style="list-style-type: none"> 24. ENVEX 2010, May 2010, Special Award, Holcim Best Product Award for Rubberized Mat for earth retaining Structure, UNIMAP, Perlis Malaysia 25. ENVEX 2010, May 2010 Gold Medal Award for 8FG Mat for Soil erosion Control 26. BIS 2010, Gold Award and (Special Award) Diamond Earth Nature Award for 8R Mat For Soil Erosion And Slope Protection, London UK 27. KIWIE 2011, May 2011 2nd Grand Prix Award and Special Award from Bosnia Hezergovina, Seoul, Korea for 8FG ecoMat for soil erosion and slope protection control 28. KIWIE 2011, 2011, Special Award KIWIE PRIZE, 8FG-Eco Mat For Soil Protection And Erosion Control, KWIA, 2011, International, Seoul, Korea 29. KIWIE 2012, 2012, Bronze Award, Real-Time Monitoring System With Intergrated SMS Messaging Capability, Seoul, Korea 30. KIWIE 2012, 2012, Silver Award, Green Light Weight 8Mat For Retaining Wall and Slope Protection, Seoul, Korea 31. KIWIE2012, May 2012, Bananasorp - A Novel Oil Absorbent from Banana Frond & Stem, Green Light Weight 8 Mat For Retaining Structure And Slope Protection, Seoul, Korea 32. KIWIE2012, May 2012 RMUTT Innovation Award from Rajamangala University Of Technology Thanyaburi Thailand, Real-Time Fish Monitoring System With Integrated SMS Capabilities, Seoul Korea 33. WIAF 2102, Dec 2012, World Inventor Order Of Merit (Invention For Women Order Of Merit), Korea Invention News, The 1st World Invention Award Festival, WIAF 2012 Seoul, Korea 34. GWIN2013, 2013, Women International Inventor Award, 8R Mat For Soil Erosion And Slope Protection, Global Women Inventors & Innovators Network (Gwiin), European Women Inventors & Innovators Network Exhibition, Conference & Awards, 35. ITEX 2014, 2014, Gold Award, USLOPEM : An Innovative Slope Stability Software, ITEX, 25th International Invention, Innovation & Technology Exhibition - ITEX 2014, Kuala Lumpur, Malaysia 36. KIWIE2014, 2014, Gold Award, Geopolymerization Method For Soil Stabilization Application, Korean Intellectual Property Office (KIPO), Korean International Women's Invention Exposition 2014, Seoul, Korea 37. WIAF 2014, World Scientist Award, KWIA, Seoul Korea 38. ITEX 2015, 2015, Gold Award, USLOPEM: An Innovative Slope Stability Software, ITEX & MOSTI, ITEX, Seoul, Korea 39. ITEX 2015, 2015, Gold Award, An Innovative Slope Stability Software, Korean Women Inventors Association, Korea International Women's Invention Exposition, Seoul, Korea 40. IWIS 2015, Gold Medal Award, Soil Treatment And Stabilization For Slope Applied During Road Construction, Association Of Polish Inventors & Rationalizers, International Warsaw Invention Show (Iwis 2015), Warsaw, Poland 41. KIWIE 2015, 2015, An Innovative Slope Stability Software, Korean Women Inventors Association, Korea International Women's Invention Exposition, 2015, Seoul Korea 42. KIWIE GOLD AWARD 2016-8Pf Mat System, Korea Women Inventors Association, Korea International Women's Invention Exposition 2016, 2016, Seoul, Korea 43. Special Prize-Korea Intellectual Properties Office(KIPO) 2016- 8Pf Mat System, Korean Women Inventor Association (KWIA), Korea International Women's Invention Exposition 2016, 2016, International 44. WIAF2016, World Inventor Awards Festival 2016 (Civil Engineering), Korea Invention News, WIAF 2016 International Organizing Committee, 2016, Seoul, Korea
(h)	<p>Pemimpin Pertubuhan/Badan Akademik/Profesional Leadership in Professional /Academic Associations Sila nyatakan jawatan, tahun dan pertubuhan/badan. <i>Please list post, year and association.</i></p> <p>(i) Ahli Exco Exco Member</p> <ol style="list-style-type: none"> 1. Committee Member, Asian Regional Technical Committee ATC10 - Urban Geo-Informatics of the International Society of Soil Mechanics and Geotechnical Engineering. (2001-present) 2. Committee Member, ISSMGE Asian Regional Technical Committee ATC1 - Climate Change and Geo Dissaster (2013 – present) 3. International Association of Lowland Technology (IALT), Members, 2014-present 4. Committee Member for Geotechnical Council Penang 5. Committee Member for Highland Development Penang State 6. Expert Panel for Research Centre for Soft Soil KUITTHO 7. President, Malaysian Chapter of Interntional Geosynthetics Society : MyIGS; 2013-2016 (International) 8. President, Malaysian Chapter of Interntional Geosynthetics Society : MyIGS; 2016-2018 (International) 9. President, Malaysian Chapter of Interntional Geosynthetics Society : MyIGS; 2018- 2021 (International) 10. Vice Preident , MyGoepolymer Society, Malaysia (2014-2015) 11. President , MyGeopolymer Society, Malaysia (2015-2017)

12. Vice President , MyGeopolymer Society, Malaysia (2017-2019)
13. Committee member, MyGeopolymer Society, Malaysia (2019-present)

Member in Society

14. Graduate Member, Institution of Engineers Malaysia, (1989-present)
15. Member, Southeast Asian Geotechnical Society
16. Member of International Geosynthetic Society
17. Committee Member, Malaysian Geotechnical informatics
18. Committee for Area Specialist Civil Engineering, Encyclopedia Science and Technology, Malaysia
19. Coordinator, Area Specialist Civil Engineering, Encyclopedia Science and Technology, USM Malaysia
20. Member, Academic Association USM
21. JICA Alumni (2000-present)
22. Members , International Association of Lowland Technology (IALT), - (International)
23. Members , Southeast Asean Geotechnical Society (SEAGS), - (International)
24. Members, Asian Technical Committee Member AT10 Urban Geoinformatics, - (International)
25. Members , Asian Technical Committee 1 (ATC-1), - (International)
26. Member, MyGeopolymer Society Malaysia

**(ii) Ahli Jawatankuasa Penganjur Persidangan/Seminar / Bengkel
Organizing Committee Member of Conference/Seminar/Workshop**

1. Member Of A Panel Discussion, Forum, Makmal Pembangunan Bakat, 2013
2. Member Of A Panel Discussion, Forum, Sustainable Engineered Solution To Current Geotechnical & Environmental Challenges", 2013
3. Member Of A Panel Discussion, Forum, Technical Talk, IEM Malaysia, 2013
4. Member of A Panel Discussion, Forum , Bengkel Penilaian Permohonan Skim Geran ERGS 2013
5. Member of A Panel Discussion, Forum , Kem Penulisan Tesis Pelajar Siswazah Bersama Penyelia, 2014
6. Member of A Panel Discussion, Forum : Sustainable Engineered Solutions To Current Geotechnical & Environmental Challenges, 2014
7. Member of A Panel Discussion, Forum : Program Bersama Timbalan Dekan IPS USM, 2014
8. Member of A Panel Discussion, Forum : Kursus Dalam Staf Ips, 2014
9. Scientific Committee, 5th International Conference For Engineering And Sustainability-Faculty Of Engineering-Islamic University Of Gaza And Universiti Sains Malaysia, 2014
10. Member Of A Panel Discussion, Forum : Bengkel Penyediaan Proposal Penyelidikan 'Flood Related Research', 2015
11. Member Of A Panel Discussion, Forum: Bengkel "Women's Academic Leadership: Experiences Of Research University". 2015
12. Member Of A Panel Discussion ,Forum : IPS Townhall Meeting, 2015
13. Member Of A Panel Discussion, Forum : Bengkel Penghasilan Dokumen Cadangan Penyelidikan Dan Mesyuarat Kumpulan 4: Integrated Land Resources Management Di Bawah Jawatankuasa Teknikal Penyelidikan Geoinformasi / Geomatik Kebangsaan (JTPGGK), 2015- Present
14. Member Of A Panel Discussion, Forum : Bengkel Pra Mesyuarat Pemeriksaan Bajet Dan Permohonan Program /Sambungan/ Baru Bagi Rp1 (2016-2017) Di Bawah Rmke11
15. Member Of A Panel Discussion, Forum: Bengkel Penilaian Permohonan Geran Prgs Bil. 1/2015 (Peringkat Usm)
16. Committee Member, Soft Soil Engineering Conference 2015
17. Advisor Committee, International Conference On Geotechnical And Highway Engineering Geotropika 2016, Feb 2016, Kuala Lumpur, Malayisa
18. Advisor Committee, 6th Regional Conference On Geosynthetics, Nov 2016, New Delhi, India
19. Jawatankuasa Penyelidikan & Inovasi, Cawangan Kejuruteraan Geoteknik (Jkpi, Ckg) Jkr Malaysia, 2016, National
20. Pengerusi 2 Jawatankuasa Induk Untuk Program GOT U Anjuran Jabatan Pendidikan Tinggi, Majlis Dekan Pengajian Siswazah Dan Untverst| Teknologt Mara (Uitm), 2016, National
21. Ahli Majlis Dekan Pengajian Siswazah (Mdps), 2016- 2018 National
22. Ketua Program Dan Timbalan Pengerusi Internationla Forum On Graduate Education 2017

CONSULTANCY

4.0 Sila nyatakan kerja perundingan yang membawa ganjaran kepada Universiti. Sila nyatakan tajuk projek, penaja, nilai, penyelidik utama dan tempoh.
State consultancy work that benefited the University . Please list title of project, sponsor, value, main researchers and duration.

(a) **Perundingan Yang Menjana Kewangan Kepada Universiti / Pusat Pengajian / Individu
 Consultancy With Monetary Rewards to University / School / Individual**

**(i) Sebagai Ketua Perunding
 As Principal Consultant**

1. Service For Surveying and Monitoring Building Movement For PPSB Power Plant, Malakof Power Plant, 01/07/2017 - 30/06/2018, RM36,000.00 (National)
2. MONITORING OF BUILDING FOR STRUCTURAL MOVEMENT PRAI (MALAKOFF) CCGT POWER PLANT, SEBERANG PERAI TENGAH, PULAU PINANG, MALAYSIA, USM and PRAI (MALAKOFF) CCGT POWER PLANT, 23/08/2016 - 01/03/2017, RM10,000.00 (National)

Perkhidmatan	(per RM10,000 per kontrak)
Service	(per RM10,000 per contract)

1. Slope Stability Studies for Meru Valley, Ipoh, 1993 (RM3,575.00)
2. Slope Stability Studies for Lumut Power Plant Road Project, Segari (RM5,500)
3. Ground Investigation at Ladang Gelung Pepuyu, Bruas, 1995(RM5,000)
4. Field Vane Test - Dengkil North South Express Link, 1996,(RM8,000)
5. Ground Water Exploration,1996, (RM9,000)
6. Accredited Checkers for Geotechnical Study and Design - Meru Raya 1998, (RM 170,000)
7. Geotechnical Assessment on Land Reclamation for Outer Ring Road, Penang, 1998 (Rm23,000)
8. Slope Stability Studies for Taman Meru IIC, 2000, (RM 5,000)
9. Slope Stability Studies for Meru Raya,2001, (RM5,000).
10. Shelf Performance Study, SMT System metal technology SB, 2006 (RM3000)
11. OUM Labwork for Geotechnical and Fluid Mechanics Engineering, (RM6000),Nov 2007
12. Upper Padas Hydroelectric Project, Sabah ~ SEISMIC RISK ANALYSIS, (RM80,000), 2009
13. Feasibility/fasibility STUDY IN SERUDONG SABAH, (RM 453,704.99), 2009-2012
14. Pembangunan Kawasan Persempadanan Sabah Dan Kalimantan Timur (Pos Lintas Batas Darat Serudong Sabah Dan Simanggaris, Kaltim), Majlis Keselamatan Negara, Rm- 24,288.00, , 1/6/2009- 31/12/2010, PU
15. Geotechnical Assessment on Sg Raia Projek, Perunding Amarbina Sdn bhd, RM5,000.00, Fauziah Ahmad, 1/7/2010- 30/11/2010
16. Geotechnical Assessment for Petronas fertilizer Plant, Ilham Consultant Sdn Bhd, RM2,500.00, Fauziah ahmad, 1/6/2010- 30/9/2010
17. Soil Stabilization Research and Development, Next Base Technology, RM20,000.00, , 1/10/2010- 31/10/2011
18. Penyelidikan dan Pengkomersialn Produk green Technology dalam Kestabilan dan pembaikan tanah, MTS Fibromat, RM-31,072.00, Fauziah Ahmad, 1/12/2010- 30/11/2011
19. Geotechnical Assessment for PPSB Power Station, Prai, PPSB Sdn Bhd, RM31,250.00, , 1/9/2010- 31/8/2011
20. Study of Asphaltic Concrete pavement Condition at Seberang peri Selatan JKR Road and Lima Kongsi Road, Dian Permata Enterprise, RM2,200.00, Prof. Dr. Fauziah Ahmad, 13/7/2012- 13/7/2012 PU
21. Study of Asphaltic Concrete pavement Condition (Wearing Course
22. at JKR Seberang Perai Selatan Parking Lot, Jawi, Laman Mutiara Enterprise, RM550.00, Prof. Dr. Fauziah Ahmad, 13/7/2012- 13/7/2012 PU
23. Evaluation of Hot Mix Asphalt Samples from Premix Plant (Wearing and Binder Course) for JKR Road Project in Pelis and Kedah, Pens Industries SDN. BHD., RM13,200.00, Prof. Dr. Fauziah Ahmad, 13/7/2012- 13/7/2012 ,PU
24. Study of Asphaltic Concrete pavement Condition (Binder Course AC28 and Wearing Course AC14) at KM 3- KM3.5 Jalan Sungai Tengah, Idris bin Kaliyubi, RM1,420.00, Prof. Dr. Fauziah Ahmad, 13/7/2012- 13/7/2012,PU
25. Study of Asphaltic Concrete pavement Condition (Wearing Course
26. at Seberang Perai Utara JKR Road, Yoges and Ravind Enterprise, RM1,950.00, Prof. Dr. Fauziah Ahmad, 6/7/2012- 11/7/2012 , PU

27. Study of Asphaltic Concrete pavement Condition (Binder Course AC28 and wearing Course AC14) at Jalan Sg Tengas, Kulim, Prang Besar Resources, RM2,510.00, Prof. Dr. Fauziah Ahmad, 11/7/2012- 11/7/2012 , PU
28. Study of Asphaltic Concrete Pavement Condition at Jalan Valdor to jalan Tasek, SPS, Laman Mutiara Enterprise, RM550.00, Prof. Dr. Fauziah Ahmad, 11/7/2012- 11/7/2012 , PU
29. Study of Binder Properties due to Penetration and softning at Kamunting Premix Plant for Petronas Bitumen, Kamunting Premix Plant S/B, RM400.00, Prof. Dr. Fauziah Ahmad, 11/6/2012- 11/6/2012 , PU
30. Study of Asphaltic Concrete Pavement Condition at Permatang Tinggi Industrial Park, SPT, HCFZ Enterprise, RM400.00, Prof. Dr. Fauziah Ahmad, 11/6/2012- 11/6/2012 , PU
31. Study of Asphaltic Concrete Pavement Condition at Bukit Panchor Industrial, Maizac Enterprise, RM550.00, Prof. Dr. Fauziah Ahmad, 11/6/2012- 11/6/2012 , PU
32. 20. Study of Asphaltic Concrete Pavement Condition at Seberang Peri Selatan JKR Road due to stability, Flow and Binder Content, Pohon Kembara Enterprise, RM700.00, Prof. Dr. Fauziah Ahmad, 11/6/2012- 11/6/2012 , PU
33. Study of Impact of Skid Resistance Value for Course Aggregate in Asphaltic Concrete Pavement at Bukit Mertajam Premix Plant, Sunway Quarry Industries S/B, RM1,500.00, Prof. Dr. Fauziah Ahmad, 11/6/2012- 11/6/2012 ,PU
34. Study of Asphaltic Concrete Pavement Condition at Seberang Perai Utara JKR Road due to Stability and Flow, Perniagaan Serbanika Jamal, RM900.00, Prof. Dr. Fauziah Ahmad, 11/6/2012- 11/6/2012 , PU
35. Lab Test - Study of Asphaltic Concrete Pavement Condition (Wearing Course 14) at Seberang Perai Utara JKR Road, Yoges and Ravind Enterprise, RM1,300.00, Prof. Dr. Fauziah Ahmad, 11/6/2012- 11/6/2012 , PU
36. 24. Study of Asphaltic Concrete pavement Condition at Jalan Permatang Indah/Pokok Sena due to stability and Flow, WR Construction, RM650.00, Prof. Dr. Fauziah Ahmad, 11/7/2013- 11/7/2013, PU
37. Boundary Ground Vibration Monitoring, PRAI POWER SDN BHD, RM41,580.00, PU (2013)
38. Service For Soil Settlement Monitoring And Assessment At PPSB, MALAKOFF POWER BERHAD, RM25,000.00, PROF FAUZIAH AHMAD, - PU (2015-2016)
39. SURVEYING AND MINITORING BUILDING MOVEMENT FOR PPSB, MALAKOFF POWER BERHAD, RM20,000.00, PU – (2017-2018)
40. Geotechnical Assessment For PPSB Soil Settlement Monitoring & Assessment, MALAKOFF, RM24,192.00, PROF. FAUZIAH AHMAD, ASSC PROF DR. CHOONG K.K, PU, (2016-2018)
41. BUILDING INTEGRITY MONITORING FOR PRAI POWER SDN BHD, PRAI POWER SDN BHD, RM54,639.00, PROF. DR. FAUZIAH AHMAD & ASSC PROF DR. SANUSI, PU (2016-2018)
42. GEOTECHNICAL ASSESSMENT FOR PPSB SURVEYING & MONITORING BUILDING MOVEMENT, MALAKOFF, RM46,116.00, PROF. DR. FAUZIAH AHMAD, PU (2015-2017)
43. Monitoring Of Building For Structural Movement Prai (Malakoff) Ccgt Power Plant, Seberang Perai Tengah, Pulau Pinang, Malaysia, USM And PRAI (MALAKOFF) CCGT POWER PLANT, 23/08/2016 - 01/03/2017, RM10,000.00 (National)
44. Service For Surveying and Monitoring Building Movement For PPSB Power Plant, Malakof Power Plant, 01/07/2017 - 30/06/2018, RM36,000.00 (National) Kajian Kemungkinan (Feasibility Study)

**(ii) Sebagai Perunding Bersama
As Co-Consultant**

1. Development of Civil Engineering Programme and Curricullum for Universiti Teknologi Petronas, 1999 - 2001 (RM320,000) - Deputy Project Leader
2. Development of Engineering Laboratory for Universiti Teknologi Petronas, 1999-2002(RM1.6m) - Deputy project Leader
3. Procurement of Engineering Laboratory for Universiti Teknologi Petronas, 2000-2003(RM1.3m) - Deputy Project Leader

Perkhidmatan (per RM10,000 per kontrak)
Service (per RM10,000 per contract)

1. Site Investigation at Ladang Buntar, Serdang, Kedah, 1998, (RM40,000)
2. Soil Studies at Ladang Buntar, Kedah, 1998, (RM40,000)
3. Site Investigation for Silibin Industrial Area, 1995, (RM29,000)
4. Site Investigation for Government Quarters at Bandar Seri Iskandar, Perak, 1995, (RM20,000)
5. Site Investigation for Kuala Kangsar Mini Market Complexes, 1996, (RM6,222)
6. Site Investigation for South Port-Klang, 1996(RM70,000)
7. Offshore Site Investigation (Sounding) – Jelutong Expressway, Penang, 1996, (RM33,000)

	<ol style="list-style-type: none"> 8. Site investigation, Ipoh-Lumut Expressway, 1996(RM53,000) 9. Site investigation for Transkrian USM New Campus, 1998, (RM121,000) 10. Site Investigation in Kelang and Batu Caves,1996, (RM20,000) 11. Workshop for Bridging Programme for MARA, RM8000, 2005 12. Structural Assesment for Anthenium Apartments in Genting highland, (RM5000), 2005
(c)	<p>Perundingan Tanpa Ganjaran Kewangan Consultation Without Monetary Rewards</p> <ol style="list-style-type: none"> 1. Geotechnical Engineering Consultant to Perunding Bersatu Sdn Bhd, Ipoh, Perak 2. Geotechnical Engineering Consultant to Lankshort Construction Sdn Bhd, Kuala Lumpur 3. Geotechnical Consultant to Amarbina Cunsultant Sdn Bhd. Ipoh, Perak 4. Geotechnical Consultation to Archelogist Station Lenggong, Archeologist Center, 2003-2004 Cadangan Pembaikkan Cerun & Tembok Penahan Di Sekitar Kawasan Kompleks Desasiswa Restu, Saujana, Dan Tekun, Usm Kampus Induk, Usm, Rm0.00, Prof. Dr. Fauziah Ahmad ,2013-2014 5. Siasatan Kawasan Kejadian Tanah Runtuh Dalam Terowong Di Kawasan Bukit Pengajian Siswazah Perniagaan Usm, Development Office Usm, Rm0.00, , 1/10/2015- 30/11/2015 6. PEWASIT Slope Failure At RST Hostel USM, Development Office USM, Rm0.00, Dr Rosli Saad, 1/10/2015- 31/11/2016 , Pu. 7. Geotechnical Consultant

5.0 KHIDMAT KEPADA UNIVERSITI DAN MASYARAKAT SERVICE TO THE UNIVERSITY AND COMMUNITY	
(a)	<p>Membina / Membangunkan Pusat Kecemerlangan Establishing/Developing Centre of Excellence</p> <ol style="list-style-type: none"> 1. Disaster Research Nexus, PPKA (2011-present), member Research Advisor, 2. Center of Excellent Geopolymer and Green Technology (CEGeoGTech), UNIMAP(2015-Present)
(b)	<p>Pentadbiran Administration</p> <ol style="list-style-type: none"> 1. Programme Chairman for Geotechnical, Highway and Traffic Engineering, PPKA (Jun 93-Dic 95) 2. Programme Chairman for Geotechnical Engineering, PPKA (Jan 95-Dic 96) 3. Deputy Dean I (Jan 96- March2000) 4. Deputy Dean for Academic and Student Development , PPKA(March2001- March2003) 5. Acting Dean, PPKA(4 times) – between 2000-2003 6. Academic Program Chairperson for Environmental and Sustainability, PPKA(Mac2007- Mac2009) 7. Deputy Dean , Institut Pengajian Siswazah USM, 01/08/2013-31/12/2015 8. Acting Dean IPS, 22/9/2014- 4/11/2014 9. Acting Dean IPS, 21/9/2015- 25/9/2015 10. Acting Dean IPS ,14/12/2015-27/12/2015 11. Ketua Kluster Physical Infrastruktur, Panel Geran Penyelidikan KPM 2020-present
(c)	<p>Ahli Jawatankuasa Universiti / Pusat Pengajian University Committee / School Committee</p> <p>University Committee</p> <ol style="list-style-type: none"> 1. University Committee University Committee ,JK Blue Ocean Strategy,2010 Senat Member USM (89-90)

2. Committee for Action Committee for Bahasa Malaysia(89-90)
3. Committee for Steering committee Continuing Education ISO9000 (1998-present)
4. Committee for Disiplin for Copying and Cheating in Engineering Campus (1995-99)
5. Academic Advisory for School of Civil Engineering (1989-present)
6. Committee for Bahasa Malaysia Policy Committee(2004-2007)2 TERMS
7. Committee for Sustainability Development (2009)
8. University Committee Member ,Panel PenilaiGeran RU 2/2010,2010,
9. University Committee Member, AJK Penambahbaikan Skim Ganjaran Pensyarah Kejuruteraan,2010,
10. USM Mentor (2000-2017)
11. Committee for Panel for the Sains Fundamental, 2012-2013 and 2013-2015
12. Committee International Women College USM,2015- present,
13. University Committee,Ahli majlis pengajian siswazah MPST, 2015-2016
14. Committee for Ahli Majlis Pusat Kajian Kelestarian Global, 2016-2018 dan 2018-present
15. Committee for Jawatankuasa Pengesahan, Pemilihan, Kenaikan Pangkat dan Lanjutan Perkhidmatan bagi Kumpulan Pelaksana, 2015-2017
16. Committee for Penasihat Nexus Engineering 2017- 2019(University)
17. Committee for Jawatankuasa Pameran Penyelidikan Universiti Sains Malaysia, 2017-present
18. Committee for Jawatankuasa Dana Awal Patent Universiti Sains Malaysia, 2017-present
19. Committee for Jawatankuasa Tetap Penilaian Awal Kenaikan Pangkat Staf Akademik, 2013-2014
20. Committee for Jawatankuasa Tetap Penilaian Awal Kenaikan Pangkat Staf Akademik, 2014-2015
21. Committee for Jawatankuasa Tetap Penilaian Awal Kenaikan Pangkat Staf Akademik, 2015-2016
22. Committee for Jawatankuasa Tetap Penilaian Awal Kenaikan Pangkat Staf Akademik, 2016-2017
23. Committee for Jawatankuasa Tetap Penilaian Awal Kenaikan Pangkat Staf Akademik, 2017-2018
24. Committee for Jawatankuasa Tetap Penilaian Awal Kenaikan Pangkat Staf Akademik, 2018-2019
25. Committee for Jawatankuasa Kerja Times Higher Education- Global Impact Ranking (THE-GIR), 2019-2020
26. Committee for Panel Penilai Geran Fundamental Research Grant Scheme -Malaysia's Research Star Award(FRGS-MRSA) bagi TAHUN 2018, 2019
27. Committee Member, Ahli Majlis Centre for Global Sustainable Studies (CGSS) USM 2016-2018
28. Committee,Ahli Majlis Pusat Kajian Kelestarian Global, 2019-2021
29. **Senat Member** USM, 2015- 2017
30. **Senat Member** USM, 2017-2020
31. Committee Member for PTJ Sumber Manusia PPKA, 2019-2021
32. Ahli JK Post Doctoral Researcher –Fellow USM, 2014-2015
33. Committee for Anugerah Tokoh Siswa & Anugerah Keusahawanan USM, 2017-2018
34. Coaching, USM 3 Minutes Thesis Competition 3 finalist, 2016
35. Coaching, USM 3 Minutes Thesis Competition 3 finalist, 2017
36. Coaching, USM 3 Minutes Thesis Competition 3 finalist, 2018
37. Coaching, USM 3 Minutes Thesis Competition 3 finalist, 2019
38. Coaching, USM 3 Minutes Thesis Competition 3 finalist, 2020

School Committee

39. Committee for School Board PPKA (1989-sekarang)
40. Committee for Steering Committee TQM PPKA (1996)
41. Committee for Research(1992-98)
42. Committee for Postgraduate Studies (1992-98)
43. Committee for Time Tabling (1993-97)
44. Committee for Library(1989-90)
45. Coordinator for Final Year Project, 1997-2003
46. Committee for Undergraduate Curriculum Committee
47. Committee for Adhoc SPU Curriculum Evaluation Committee
48. Committee for Adhoc SPTT Curriculum Evaluation Committee
49. Committee for SPKET Curriculum Evaluation Committee
50. Committee for Engineering Prospectus Academic Year 2002/03
51. Mentor / Counselor for School and Engineering Campus (1994-present)
52. Chairman Lecturer/Student Committee (1997-2003)
53. Counselor for Distance Education students (Distance education)(1994-2002)
54. Committee for Pelaksanaan Dasar Bahasa Malaysia (2003-2007)
55. Committee for KPI and KIP(2009-present)
56. Committee for Annual report PPKA(2008-present)
57. Committee for Research PPKA (2009-present)
58. Committee for Panel Penilai Tender IDB, 2010
59. Committee Member ,Ahli JK Panel Penilai Tender IDB,1/4/2010- 31/12/2010,

60. Committee Member ,Ahli JK Panel Latihan Industri PPKA,2010, State
61. Committee Member , Panel Penilai FRGS USM,2011,
62. Committee Member ,Ahli JK Penyelidikan, Siswazah dan Perundingan ,PPKA/1/2010- 30/11/2011
63. Committee Member , JK Pengajian Siswazah dan Penyelidikan PPKA, 2014-present
64. Committee Member ,Secretariat Head for the professorial talk,2012
65. Committee Member ,Panel for a postgraduate seminar,2012
66. Committee Member for Kolokium/LibraryKolokium/LibraryPenceramah Jemputan PPKA,2012-2013
67. Committee Member, Ahli Jawatankuasa Penyelarasan Projek Tahun Akhir PPKA,2012-2015
68. Committee Member ,AHLI JAWATANKUASA FIZIKAL,RUANG DAN PERALATAN PPKA,2013,
69. Committee Member ,Ahli Jawatankuasa Pengajian Siswazah Dan Penyelidikan JKPS,2013,
70. Committee Member ,Pengerusi Bersama Jawatankuasa Urusefiah Majlis Syarahan Umum Pelantikan Profesor,20
71. Committee for Internatinalisation of PPKA, 2016-2017
72. Committee for IGNITE & AICCE 2017, 2017(School)
73. Committee for Ahli Jawatankuasa Alumni Pusat Pengajian Kejuruteraan Awam, 2016-2018
74. Committee,JICA Alumni
75. Committee,Ketua Pengawas Peperiksaan 2008/2009,
76. Committee,panel Penilai FRGS USM
77. Committee for Latihan Industri PPKA
78. Committee for Majlis Pusat Pengajian Kejuruteraan Elektrik & Elektronik, 2016-2017
79. Committee for Pemantapan Pelaksanaan OBE PPKA
80. Committee for Penyelarasan Projek Tahun Akhir PPKA
81. Committee for Penjanaaan Kewangan PPKA,
82. Committee for Fizikal,Ruang Dan Peralatan PPKA,
83. Committee for Pengajian Siswazah Dan Penyelidikan,
84. Committee for Higher Education Showcase And Head Start
85. Committee for PTJ SUMBER MANUSIA, PPKA, 2019-2021 (School)
86. Committee for Post Doctoral Researcher Atau Fellow PPKA, 2019-2020
87. Committee for Strategi KPI PPKA, 2019-2021
88. Committee, for FIZIKAL RUANG DAN PENGURUSAN ASET - (PEGAWAI PENERIMA ASET) PPK AWAM, 2019-2021
89. Committee for Review on Consolidation Program at Engineering Campus , 2020
90. Programme Chairperson Programme Chairperson Chairperson of the AICCE'12 and GIZ'12 Conference,2012
91. Ahli Jawatankuasa 5TH IGNITE & AICCE 2017