

CURRICULUM VITAE



A. PERSONAL DETAILS

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K8XMqVchj2rzmRTZRA=)

ACADEMIC QUALIFICATION

MSc . in Civil (Geotechnique) (2007)
Universiti Teknologi MARA (UiTM), Shah
Alam

BEng. (Hons) Civil Engineering (2005)
Universiti Teknologi MARA (UiTM), Shah
Alam

Dip. In Civil Engineering (2003)
Universiti Teknologi MARA (UiTM), Shah
Alam

B. PROFESSIONAL MEMBERSHIP

1. Board of Engineers Malaysia (BEM)- Registered member (GE49457)
2. Institute of Engineers Malaysia (IEM) – Graduate Member (G29674)
3. Concrete Society of Malaysia (CSM) – Life Member (M0478)

C. PUBLICATIONS

1. Muhammad Hafeez Bin Osman **(2023)** Effect of Lead on Strength Behaviour for Spiked Contaminated Soil (PB/2023/012779)
2. Muhammad Hafeez Bin Osman **(2023)** Determination of Silt and Clay soil particle distribution using new Silt-Clay Separation Quick method (PB/2023/006263)
3. Muhammad Hafeez Bin Osman **(2023)** Determination of non-linear shear strength and volume changes on remolded granitic residual soil due to membrane penetration (PB/2023/006304)
4. Muhammad Hafeez Bin Osman **(2022)** Influence of Membrane Penetration on Granitic Residual Soil in Consolidated Drained Triaxial Test (PB/2022/145465)
5. Muhammad Hafeez Bin Osman **(2022)** Review On The Effect Of Copper Concentration In Soil (PB/2022/145407)
6. Muhammad Hafeez Bin Osman **(2020)** Grading Characteristics of Soils:

A Brief Review (PB/2020/114368)

7. Muhammad Hafeez Bin Osman **(2019)** Interaction of mineralogical content with engineering properties of selected weathered Semanggol formation mudrocks (PB/2019/119445)
8. Muhammad Hafeez Bin Osman **(2019)** Estimation of Unconfined Compression Test (UCT) Parameters Using Digital Image Analysis (PB/2019/101773)
9. Muhammad Hafeez Bin Osman **(2018)** Overall Assessment on Flexible Pavement Maintenance Activities along North South Expressway Northern Region: From Alor Setar KM51.40 to Sungai Petani KM107.90 (PB/2018/087879)
10. Muhammad Hafeez Bin Osman **(2017)** The effect of membrane penetration in consolidated drained triaxial test on granitic residual soil grade V (PB/2017/074860)
11. Muhammad Hafeez Bin Osman **(2015)** Estimating Maximum Dry Density And Optimum Moisture Content Of Compacted Soils (PB/2015/059229)
12. Muhammad Hafeez Bin Osman **(2015)** Relationship Of Compression Index And Initial Void Ratio For Remoulded Penang Marine Clay (PB/2015/059231)
13. Muhammad Hafeez Bin Osman **(2015)** Evaluation Of Shear Strength Parameters Using Shear Box Tests For Slope Failures In Penang (PB/2015/059075)
14. Muhammad Hafeez Bin Osman **(2014)** Classification Of Igneous Rocks Using Digital Image Processing: A Binary Approach (PB/2014/060614)
15. Muhammad Hafeez Bin Osman **(2014)** Relationship Of Compression Index (Cc) And Liquid Limit (Ll) For Remoulded Penang Marine Clay (PB/2014/055734)
16. Muhammad Hafeez Bin Osman **(2011)** Enhancement of High Strength Concrete Performance at High Temperature (B/2011/032348)
17. Muhammad Hafeez Bin Osman **(2009)** Performance of Palm Oil Fuel Ash (POFA) with Lime as Stabilising Agent for Soil Improvement (PB/2009/020021)
18. Muhammad Hafeez Bin Osman **(2009)** Experience in Stabilisation of Rock Slopes in Pahang (PB/2009/020023)

19. Muhammad Hafeez Bin Osman **(2009)** Location Consideration in International Construction Markets by Malaysian Firms: Specific Locale Perspective (PB/2009/008215)
20. Muhammad Hafeez Bin Osman **(2008)** Influence of Macrotecture on Pavement Skid Resistance (PB/2008/005997)
21. Muhammad Hafeez Bin Osman **(2008)** Seepage Characteristics of Sandstone, Siltstone and Mudstone (PB/2008/005995)

D. RESEARCH GRANTS

1. Mechanism Of Dessication In Contaminated Kaolin Clay Via Binary Image Processing. (FRGS 2023-**Ketua**)
2. Verification Of Ground Improvement & Site Investigation Results From Pile Driving Analyzer (PDA) Test. (Industrial Grant 2023-**Ahli**)
3. New Method To Determine Physico-chemical Characteristics Of Fine Grained Soil. (Dana Dalam Negeri 2020-**Ahli**)
4. Membrane Penetration Effect In Consolidated Drained Test. (RAGS 2014-**Ahli**)
5. Evaluation Of Soil Shear Strength Parameters Using Triaxial Tests And Shear Box Tests Sedimentary Residual Soils In Northern Malaysia. (Excellence Fund 2010-**Ahli**)
6. Penilaian Cerun Runtuh Berdasarkan Nilai Ujian Spt Dan Proba Jkr Ke Atas Tanah Terbaik Tropika Jenis Granitic Dan Mendapan Di Utara Malaysia. (Excellence Fund 2008-**Ahli**)
7. Stress Exponent Of Soil Mixture (Excellence Fund 2008-**Ahli**)
8. International Market Entry Strategies By Malaysian Construction Firms (Excellence Fund 2008-**Ahli**)
9. Study On The Performance Of Agricultural Waste Material As Soil Stabilizing Agent For Soft Soil (FRGS 2007-**Ahli**)

E. INNOVATION AWARDS

1. Web-Based Fadum Chart For Determining Influence Factor Of Vertical Stress In Soil – **(PIID 2023 – Bronze)**
2. Continuous Quality Improvement (CQI) Template For Outcome Based Education Implementation – **(IIDEX 2022 – Bronze)**
3. Compression Behaviour Of Concrete Cylinder With Partial Carbon Fibre Reinforced Polymer (CFRP) Confinement – **(IIDEX 2021 – Silver)**
4. GEOTECHNICS – **(eCONDEV 2021– Silver)**
5. Calcined Ground Seashell Ash (CGSA-20): A New Green Admixture – **(ICON 2020 – Silver)**

6. Self-Compacting Fibre Reinforced Concrete Ribbed Slab (SCFRC-Rib) – **(ICON 2020 – Silver)**
7. Shear Strength Envelope: Engaging Way – **(InTeLeC 2020 – Bronze)**
8. Densi-Probe: A Hybrid Laboratory In Situ Test To Determine Field Density – **(PIID2019 – Silver)**
9. Continuous Quality Improvement (CQI) Template For Course Level At Faculty Of Civil Engineering, UiTM Pulau Pinang – **(iPHEX 2014 – Gold)**
10. Enhancement Of Continuous Quality Improvement Template For Teaching & Learning – **(IP 2013 – Gold)**
11. Digital Classification Of Intrusive Of Igneous Rock – (IID PERAK 2012 – Silver)
12. Self Crack Arrestor Concrete (SCAC) – **(ITEX2011 – Silver)**
13. Waste Material Reinforced Sand As Lightweight Fill – **(IID2010 – Silver)**
14. Evaluation Of Agricultural Waste Material As Soil Stabilizing Agent For Soft Soil - **(IID2009 – Silver)**

F. AREA OF INTEREST

- Soil Mechanics
- Soil Engineering
- Geoenvironmental
- Digital Image Processing