

2008-2013	IKRAM Training and Infrastructure Development Institute (iTiDi) Freelance Lecturer for Program Latihan Siswazah Industri Pembinaan CIDB Subjects: 1) Soil Investigation Works 2) Foundation Works
2008-2009	Universiti Teknologi MARA Part-Time Lecturer, Faculty of Civil Engineering Subjects: 1) Construction Technology (ECM 446) 2) Construction Management II (KJA 536)
2000-2002	Universiti Teknologi MARA Part-Time Lecturer, Faculty of Civil Engineering Subject: 1) Structural Design I (KJA 338)
1995-1995	SM Sultan Abu Bakar Kuantan Pahang Part-Time Teacher GSTT Subject: 1) Science (Form 4)

PhD SUPERVISION

Graduated	Norazlan bin Khalid (Modelling on Compaction and Hydraulic Conductivity for Sedimentary Residual Soil-Bentonite Mixture as a Compacted Liner) 2021 Co-Supervisor.
Graduated	Mohammad Ashari bin Muda (Creep Pullout Mechanical Behaviour of V-Armed Hybrid Anchor Soil Nail in Slope Stabilisation) 2022 Co-Supervisor.
In progress	Noorfaizah binti Hamzah (Anisotropic Rock Deformation Framework Incorporating Inherent Mobilised Shear Strength) Main-Supervisor.
Graduated	Safaa Fakhir Yasir (Geoelectrical and Hydrogeological Assessment for the Establishment of The Relationship between Electrical Resistivity Values and Hydraulic Properties of Aquifer) Co-Supervisor.
In progress	Muhamad Danish bin Zabidi (Analysis of Shear Strength Test on Saturated and Unsaturated at Low Shear Strength with Respect to Critical Suction Zone Behaviour of Granitic Residual Soil Grade VI) Co-Supervisor.

REGISTERED RESEARCH PROJECTS

2023-24	Kelestarian Kebun Komuniti MBSJ Dengan Aplikasi Sistem Telaga Tiub Air Bawah Tanah (MBSJ.JPK.400-2/1/7(45)) (100-TNCPI/GOV 16/6/2(014/2023))
2021-23	The Comparative Of Vetiver Root Growth Performance With Coconut Coir And Phototropic Bacteria For Soil-Root Reinforcement Stability (600-TNCPI/PBT 5/3 (233/2021))
2020-23	Soil Erodibility Factor Based On Physical Characteristics Approach On Erosion And Slope Features (600-RMC/GPK 5/3 (215/2020))
2019-22	Analysis Of Shear Strength Test On Saturated And Unsaturated At Low Shear Strength With Respect To Critical Suction Zone Behaviour Of Granitic Residual Soil Grade VI (600-IRMI/FRGS 5/3 (049/2019))
2017-19	Localized Bearing Capacity Of Rapid Setting Concrete For Bridge. (600-Irmi/Dana Kcm 5/3/Lestari (126/2017))
2014-16	Kajian Penyelidikan Menggunakan Concrete Canvas (Cc). (600-Rmi/Reg 5/3 (5/2014))
2013-16	Kajian Penyelidikan Menggunakan Polyurethane (Pu). (600-Rmi/Reg 5/3 (4/2014))

INTERNATIONAL CONFERENCES

- 2020 International Conference on Sustainable Civil Engineering Structures and Construction Materials (SCESCM) 2020.
- 2013 A Conference Paper Reviewer for the International Civil and Infrastructure Engineering Conference 2013, (InCIEC 2013).
- 2011 5TH ASIA-PACIFIC CONFERENCE ON UNSATURATED SOILS, PATTAYA, THAILAND.
- 2009 4TH ASIA-PACIFIC CONFERENCE ON UNSATURATED SOILS, NEWCASTLE, AUSTRALIA.
- 1999 XXIst WORLD ROAD CONGRESS, KUALA LUMPUR, MALAYSIA.

PAPERS, PRESENTATIONS AND PUBLICATIONS

- 2023 A Study on Stress-Strain Behaviour of Shale Rock Using Mobilised Shear Strength Prediction. 3rd International Conference on the Built Environment and Engineering (IConBEE).
- 2023 Enhancing Sustainability in The MBSJ Community Garden through Innovative Integration of an Underground Water Tank System. Seremban International Innovation Competition (FBM-SIIC) Inventopia 2023 extended abstract book.
- 2023 The Construction of a Gravity Retaining Wall to Prevent Landslides on the Grogol Kediri Highway. U Karst Journal.
- 2022 Advanced Landslide Prediction Utilising Unmanned Aerial Vehicle (UAV). Journal of Academic Research in. Business and Social Sciences.
- 2022 Mechanical properties of Bermuda grass roots towards sandy and clay soil for slope reinforcement. Physics and Chemistry of the Earth.
- 2022 A Review on Soil Erodibility Studies in Malaysia. Pertanika Journal of Science and Technology.
- 2021 Geotechnical Investigation of Cavity and Settlement at Besraya Highway, Jalan Kuchai Lama Journal of Engineering and Applied Sciences.
- 2021 Preliminary Study on the Slope Failure at Highlands in Peninsular Malaysia International Journal of Academic Research in. Business and Social Sciences.
- 2020 Evaluation of Hot Mix Asphalt Mixtures Design Modified with Hydrate Lime. International Conference on Sustainable Civil Engineering Structures and Construction Materials (SCESCM) 2020.
- 2020 Effectiveness of Waste Glass as Filler in Hot Mix Asphalt. International Conference on Sustainable Civil Engineering Structures and Construction Materials (SCESCM) 2020.
- 2019 Large Scale Pullout Machine and Effectiveness of Anchor Block in Stabilising Reinforced Earth Wall under Wetting Condition. Journal of Engineering and Applied Sciences.
- 2018 Integral Application of Electrical Resistivity Tomography, Geochemistry and Borehole Data in Groundwater Seepage Assessment. International Journal of Civil Engineering and Technology (IJCIET).
- 2017 Geotechnical investigation of cavity and settlement at Besraya highway, jalan kuchai lama section due to complete pipe jacking work-Technical Report.
- 2017 Consultation and to conduct a modified static puncture resistance test/cbr puncture test -Technical Report.
- 2017 Risk Mapping on Heavy Metal and Nutrients after Flood event on Pahang River using Interpolation Distance Weighted (IDW) Approach. ARPN Journal of Engineering and Applied Sciences.
- 2017 Kegagalan Cerun: Salah Manusia atau Alam Semulajadi? Academic Conference (KONAKA),UiTM Pahang, Malaysia.
- 2017 Redesigning Higher Education: How the Faculty of Civil Engineering UiTM Prepare for It? Academic Conference (KONAKA), UiTM Pahang, Malaysia.
- 2017 Analisis Pencapaian Pelajar Berasaskan Hasil bagi Subjek Latihan Industri Fakulti Kejuruteraan Awam UiTM Cawangan Pahang. Academic Conference (KONAKA), UiTM Pahang, Malaysia.
- 2016 Development of a Microsoft Visual Basic for Municipal Solid Waste Management (Case Study:Permatang Pauh, Pulau Pinang)RCSTSS 2016, UiTM Pahang, Malaysia.

- 2016 Risk Mapping on Heavy Metal and Nutrients after Flood event on Pahang River using Interpolation Distance Weighted (IDW) Approach. ISET 2016, UiTM Terengganu, Malaysia.
- 2016 Air Tak Berhasil-Non-Revenue Water (NRW) daripada Perspektif Islam. Academic Conference (KONAKA), UiTM Pahang, Malaysia.
- 2016 Rekabentuk Rumah daripada Perspektif Islam. Academic Conference (KONAKA), UiTM Pahang, Malaysia.
- 2015 Oil Palm Empty Fruit Bunch-Polyurethane Composite: The Effect of EFB-PU Mixture on Strength Characteristics. Academic Conference (KONAKA), UiTM Pahang, Malaysia.
- 2015 3 Dimension (3D) Anaglyph Video Application in Teaching and Learning. Academic Conference (KONAKA), UiTM Pahang, Malaysia.
- 2014 The Engineering Properties of Soft Soils at Northern Region of Malaysia. Academic Conference (KONAKA), UiTM Pahang, Malaysia.
- 2014 Groundwater Level Detection by Using a Two-Dimensional Electrical Resistivity Imaging. International Civil and Infrastructure Engineering Conference 2013, (InCIEC 2013). Publisher-Springer Singapore (ISBN 978-981-4585-01-9)
- 2013 Groundwater Level Detection by Using a Two-Dimensional Electrical Resistivity Imaging. International Civil and Infrastructure Engineering Conference 2013, (InCIEC 2013).
- 2012 A Graphical Method for Membrane Penetration in Triaxial Tests on Granular Soils. Journal, The Institution of Engineers, Malaysia. (Vol. 73, No. 1, March 2012).
- 2011 Pullout Behaviour of Anchor Block under Saturated and Unsaturated Soil Conditions. Ph.D. Thesis, UiTM.
- 2011 Curvi-linear Shear Strength Envelope for Granitic Residual Soil Grade VI. International Conference Paper, 5th Asia-Pacific Conference on Unsaturated Soils, Pattaya, Thailand. (ISBN 978-616-7522-77-7)
- 2011 The Performance of An Improved Anchor Blocks in An Anchored Earth Walls under Saturated and Unsaturated Conditions. Geotechnical Engineering & Georisk Management Excellence Centre (myGERMAC),UiTM Workshop, Teluk Dalam Resort, Pulau Pangkor Perak.
- 2010 Reinforced Earth Wall Behaviour in Effect of Wetting. Geotechnical & Transportation (GEOHIT), UiTM Postgraduate Colloquium, Shah Alam, Selangor.
- 2009 Slope Monitoring System and Threshold Condition. FCE, UiTM Postgraduate Seminar, Shah Alam, Selangor.
- 2008 Screening Soil Erosion Risk Potential in The Municipality of Subang Jaya with Regards to Rainfall and Soil Characteristics.MSc. Thesis, UiTM.
- 1998 Structural Behaviour of Plain Concrete Sleepers under Static and Dynamic Loading. B.Eng. Thesis, UiTM.

REGISTERED CONSULTANCY PROJECTS

- 2023 Pakar Rujuk – Geoteknikal/Geofizik Telaga Tiub Berprestasi Tinggi.
- 2023 Pakar Rujuk – Bidang Geoteknikal Cerun Jalan Batang Kali-Genting Highlands.
- 2022 Pakar Rujuk – Pembangunan Pelan Tindakan Shah Alam Bersih 2022-2025 (Pembangunan Dan Kemudahan Infrastruktur).
- 2021 Technical Advisor For The Improvement Of Geosynthetic Cementitious Composite Mat (Gccm) (File No. 20210202001 Contract Research).
- 2019 EFT CIP TESTING (Cast In Pan Testing In Accordance To ETAG001 For Euro Façade Tech Manufacturing Sdn Bhd).
- 2017 Geotechnical Investigation Of Cavity And Settlement At Besraya Highway, Jalan Kuchai Lama Section Due To Complete Pipe Jacking Work.
- 2017 Consultation And To Conduct A Modified Static Puncture Resistance Test/Cbr Puncture Test.
- 2016 Perkhidmatan Perundingan Serta Pembentangan Concrete Canvas Untuk Petronas T&E.
- 2016 Perkhidmatan Perundingan Serta Pembentangan Concrete Canvas Untuk Agensi Kerajaan Dan Swasta Negeri Perlis.

2016	Perkhidmatan Perundingan Serta Pembentangan Concrete Canvas Untuk Esscom Sabah.
2016	Perkhidmatan Perundingan Serta Pembentangan Concrete Canvas Untuk Kementerian Pembangunan Infrastruktur Dan Perhubungan Sarawak.
2015	Perkhidmatan Perundingan Serta Pembentangan Concrete Canvas Untuk Dewan Bandaraya Kuala Lumpur.
2014	Perkhidmatan Perundingan Serta Pembentangan Berkaitan Sistem Geosynthetic Cementitious Composite Mat (Gccm) Sebagai Kaedah Pembaikan Geoteknikal Serta Sistem Perlindungan Untuk Pdrm.
2013	Perundingan Bagi Program Latihan Akreditasi Penyelia Tapak Cidb.

AWARDS

2023	INVENTOPIA 2023 Silver medal
2022	UNIVERSITI TEKNOLOGI MARA Anugerah Sijil Perkhidmatan Cemerlang
2022	RISE 2022 Gold medal
2021	KREATIV 2021 Gold medal
2016	IIDEX SHAH ALAM Gold medal
2016	IIDEX SHAH ALAM Silver medal
2015	IIID JOHOR Bronze medal
2014	UNIVERSITI TEKNOLOGI MARA Anugerah Sijil Perkhidmatan Cemerlang
2010	21 ST INTERNATIONAL INVENTION, INNOVATION & TECHNOLOGY EXHIBITION (ITEX 2010) KUALA LUMPUR, MALAYSIA Silver medal
2010	MALAYSIA TECHNOLOGY EXPO 2010 (MALAYSIAN ASSOCIATION OF RESEARCH SCIENTISTS) Bronze medal
2010	INSTITUTE FOR INFRASTRUCTURE ENGINEERING AND SUSTAINABLE MANAGEMENT (IIESM) Silver medal
2005	MAJLIS PERBANDARAN SUBANG JAYA Anugerah Sijil Perkhidmatan Cemerlang

PATENT/COPYRIGHTS

2023	A Pullout Test System Patent
2016	An Advanced Landslide Warning Signage Copyright
2016	Oil Palm Empty Fruit Bunch-Polyurethane Composite: The Effect Of Pu-Efb Mixture On Strength Characteristics Copyright
2016	Module On Introduction To Civil Engineering In 3 Dimension (3d) Anaglyph Copyright

PROFFESIONAL AFFILIATIONS

2019-2022	Advisory Committee Of Product Certification Of Malaysian Society Tüv Süd (Malaysia) Sdn Bhd.
2019-2022	Promotion & Publicity Committee Member And A Proffessional Interviewer Of Malaysia Board Of Technologists
2019-Present	Malaysian Society For Engineering & Technology Member (01651)
2018-Present	Malaysia Board Of Technologists Graduate Member (GT18010001) Professional Technologist (PT18010001)
2014-Present	Technical Advisor For Geosynthetic Cementitious Composite Mat, Malaysia
2012-Present	Asean Engineering Register Associate Asean Engineer (AAE 2966)
2008-2008	Uitm Shah Alam Industrial Training Panel For Civil Engineering Faculty
1998-Present	Board Of Engineers, Malaysia Graduate Member (29476A) Professional Engineer (P124278)
1998-Present	The Institution Of Engineers, Malaysia Graduate Member (18061)

SPORT/FITNESS QUALIFICATION

2005	National Fitness Council, Malaysia (NFC) Advanced Cert. in Fitness Instructor (Gym)
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LATEST RECOGNITION

2024

Interview Session
Highest Viewers (1420 viewers)

MALAYSIA MADANI

f LIVE
SIRI 4/2024

Subang Jaya Coffee Talk

MBSJ
GEMILANG BERSAMA

Hari ini lebih baik dari semalam.
#subangjayagemilangbersama

23 Januari 2024 (Selasa)
12.30 tengah hari

Moderator:
Puan Nadia binti Muhamad Amin
Arkitek Landskap

Panel:
Ts. Dr. Adnan bin Derahman
Pensyarah Kanan / Ketua Penyelidik / Perunding Kejuruteraan Awam (Geoteknikal)
Kolej Pengajian Kejuruteraan, UiTM

Topik:
Inovasi Aplikasi Telaga Tiub Batuan Granit Dalam Kebun Komuniti
Yang Pertama di Malaysia Oleh MBSJ-UiTM Melalui Peruntukan
Geran Komuniti Untuk Masyarakat.

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