

CURRICULUM VITAE

DR. NORAZLAN BIN KHALID

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- 1) <https://expert.uitm.edu.my/profilecv.php?id=9MaFkjkJUnjXAmbrKrqaGITsY29D71jIF6L49affAo>
- 2) <https://www.scopus.com/authid/detail.uri?authorId=13905507500>
- 3) <https://scholar.google.com/citations?user=JLUMvZkAAAAJ&hl=en>

QUALIFICATIONS

- 2021 **PhD in Civil Engineering (Geotechnic)**
Universiti Teknologi MARA
- 2008 **Master in Engineering (Civil-Geotechnics)**
Universiti Teknologi Malaysia
- 2006 **Bachelor of Engineering (Hons) Civil**
Universiti Teknologi Malaysia

PROFESSIONAL MEMBERS

Board Engineers Malaysia (BEM) 50052A
Institute of Engineers Malaysia (IEM) G 27617

WORKING EXPERIENCE

- 2008 – Present Universiti Teknologi MARA
Senior Lecturer in School of Civil Engineering
- 2008 Minconsult Sdn Bhd
Graduate Engineer
- 2006 Asasteraju Sdn Bhd
Civil Engineer

SPECIALIZATION AREA OF EXPERTISE

Geotechnical Engineering
Soil Improvement
Highway Engineering

TEACHING OR LECTURING EXPERIENCE

(ECG426) Soil Mechanics, Undergraduate UiTM
(ECG553) Geotechnical Engineering, Undergraduate UiTM
(ECG573) Foundation Engineering, Undergraduate UiTM
(ECG423) Soil Laboratory, Undergraduate UiTM
(ECG422) Engineering Survey, Undergraduate UiTM

CONSULTANCY PROJECT

No.	Project Title	Organisation	Year	Duration	Role	RM
1	Testing on PVD Samples (Folded Samples)	SIRIM QAS International Sdn Bhd	2021	18/10/2021-21/10/2021	Member	2,210
2	Carry Out Testing for Determining The (In-Plane) Flow Rate Per Unit Width and Hydraulic Transmissivity of A Geosynthetic PVD Using Constant Head Sample (Straight and Buckle)	Ceteau Malaysia Sdn Bhd	2021	4/1/2021 - 20/11/2021	Leader	17,300
3	Laboratory Testing on Determination The (In-Plane) Flow Rate Per Unit Width and Hydraulic Transmissivity of A Geosynthetic PVD Using Constant Head Sample (Straight and Buckle)	Ceteau Malaysia Sdn Bhd	2021	2/2/2021-1/10/2021	Member	21,245
4	Carry Out Testing for Determining The (In-Plane) Flow Rate Per Unit Width and Hydraulic Transmissivity of A Geosynthetic PVD Using Constant Head Sample (Buckle)	Ceteau Malaysia Sdn Bhd	2020	5/10/2020 - 7/10/2020	Member	1,400
5	Carry Out Testing for Determining The (In-Plane) Flow Rate Per Unit Width and Hydraulic Transmissivity of A Geosynthetic PVD Using Constant Head Sample (Straight and Buckle)	Ceteau Malaysia Sdn Bhd	2020	3/2/2020 - 14/7/2020	Leader	3,050
6	Apparent Opening Size (AOS) Testing on Geotextile Materials for PVD	Ceteau Malaysia Sdn Bhd	2019	18/3/2019 - 30/8/2019	Member	11,480
7	Apparent Opening Size (AOS) Geotextile Material Testing For (Batch 5, 8 and 9)	Capital Envoy (M) Sdn Bhd	2019	28/5/2019-30/8/2019	Leader	6,160
8	Kerja-Kerja Makmal Untuk Ujian Tanah (Unconsolidated Undrained Test) Bagi Sampel Bukit Goh, Semambu dan Indera Mahkota	Get Services Sdn Bhd	2019	1/5/2019 - 23/7/2019	Leader	2,000
9	Carry Out The (In-Plane) Testing Flow Rate Per Unit Width and Hydraulic Transmissivity of A Geosynthetic PVD Using Constant Head Sample (Straight and Buckled)	Ceteau Malaysia Sdn Bhd	2019	24/7/2019 - 22/10/2019	Leader	15,450
10	Kerja-Kerja Makmal Untuk Ujian Tanah (Unconsolidated Undrained Test) Bagi Sampel Bukit Goh, Semambu dan Indera Mahkota (2 nd Batch)	Get Services Sdn Bhd	2019	15/5/2019 - 23/7/2019	Member	6,850

11	Carry Out Testing for Determining The (In-Plane) Flow Rate Per Unit Width and Hydraulic Transmissivity of A Geosynthetic PVD Using Constant Head Sample (Buckle)	Ceteau Malaysia Sdn Bhd	2019	22/7/2019 - 30/8/2019	Member	24,100
12	Kajian Kualiti Produk Wasilah Batalite	Kudrat Perkasa Sdn Bhd	2017	20/2/2017 - 21/2/2017	Member	3,900
13	River Sand Analysis	Ali Walit Const. Sdn Bhd	2016	12/8/2016-19/8/2016	Leader	400
14	Kerja-Kerja Survey Resistivity Di Sekita Kawasan Kajian Pengurusan Cerun Di Salak Tinggi, Sepang Selangor.	Geo Solution Resources	2015	15/12/2015-30/12/2015	Member	5,000
15	Ujian Tanah (Resistivity dan Machintosh Probe) Di Cerun Runtuh UIAM Kuantan, Pahang	Cahaya Tiram Enterprise	2015	16/1/2015 - 26/1/2015	Member	34,000
16	Fullscale Testing Dahtech Shoring System	Dahtech Marketing Sdn Bhd	2014	27/6/2014	Member	14,300

ACADEMICS / PROFESSIONAL SERVICES

Academic/Professional Services

No.	Contribution	Organisation	Year	Duration	Role
1	Workshop on Experimental Laboratory for Soil Mechanics	MAHSA University	2018	19/12/2018-20/12/2018	Fasilitator
2	Program Latihan Ujian Makmal Tanah	Kolej Vokasional Setapak	2018	27/9/2018	Fasilitator
3	Discover Engineering World Program	Faculty of Civil Engineering, UiTM Shah Alam	2017	6/6/2017 - 7/6/2017	Fasilitator
4	Latihan Amali Kejuruteraan Bagi Semester September 2012 Untuk Pelajar OUM	Open University Malaysia (OUM)	2012	1/12/2012	Fasilitator
5	Latihan Amali Kejuruteraan Bagi Semester Januari 2012 Untuk Pelajar OUM	Open University Malaysia (OUM)	2012	31/3/2012	Fasilitator

Academic/Technical Contribution

(Activity),(Organisation),(Duration),(Role)

1. International Conference on Advances In Civil and Environmental Engineering 2015, (Reviewer Paper)
2. International Civil and Infrastructure Engineering Conference (InCIEC 2013), 2013, (Chairperson)

RESEARCH GRANTS

No.	Title	Year	Role	Grant	Sponsor
1	Determining Apparent Opening Size (AOS) Of Geotextile and the (In-Plane) Flow Rate Per Unit Width and Hydraulic Transmissivity of A Geosynthetic Using A Constant Head (Straight & Buckled Samples)	2019-2020	Member	30,000	Ceteau (M) Sdn Bhd

2	Effect of Compaction on Hydraulic Conductivity For Malaysian Sedimentary Soil Mixed Bentonite as Liner for Landfill Development	2016-2018	Leader	20,000	Dana Lestari UiTM
3	Particle Bonding Theory of Liquid Sludge Through Electrostatic Interaction By Waste Paper Sludge Ash (WPSA)	2016-2018	Member	98,000	FRGS (Kementerian Pengajian Tinggi)
4	Nanoparticlelization Characteristics of Stabilized Soft Soil	2012-2014	Leader	80,000	RAGS (Kementerian Pengajian Tinggi)
5	Clay Soil Stabilization Using Waste Paper Sludge Ash (WPSA)	2012-2014	Leader	20,000	Dana Kecemerlangan UiTM
6	Biocementation Microbial Induced Calcium Carbonate Precipitation Theory	2012-2014	Member	66,450	FRGS (Kementerian Pengajian Tinggi)

AWARDS

- 2021 4th International Malaysia-Indonesia-Thailand Symposium on Innovation and Creativity 2021 (iMIT SIC 2021) - Bronze
- 2018 29th International Invention, Innovation, & Technology Exhibition, Malaysia (ITEX 2018) - Silver Medal
- 2018 Invention, Innovation and Design Exposition 2018 (IINDEX 2018) - Silver
- 2014 Invention, Innovation and Design Exposition 2014 (IINDEX 2014) - Bronze Medal
- 2013 Competition and Exhibition on Research, Invention and Design 2013 (RIID 2013) - Gold
- 2013 Pertandingan Rekabentuk dan Pembinaan Konkrit Pontoon Peringkat Kebangsaan Kali Ke-2, 2013 - 3rd Prize (Poster)
- 2013 Ekspo Keusahawanan Kejuruteraan Awam UiTM Shah Alam, 2013 - 1st Prize (Idea Category)
- 2011 Best Paper' Presented in Regional Symposium on Engineering and Technology 2011
- 2010 2nd Invention, Innovation and Design (IID) Fakulti Kejuruteraan Awam, UiTM Shah Alam

SUPERVISIONS

1) PhD (Co-Supervisor)

No.	Thesis Title	Level	Institution	Name of Candidate	Year
1	Numerical Modelling of Open-Ended Pipe Piles in Granular Soil Subjected To Dynamic Load	PhD	PKA UiTM	Al-Jeznawi Duaa AbdulrazzaqFalih	2022 - Present

2) Masters

-None-

3) Final Year Project

No.	Thesis Title	Level	Institution	Name of Candidate	Year
1	Correlation of Between SPT Data With Undrained Cohesion and LL for Residual Soil in Malaysia	Undergraduate	PKA UiTM	Mohamad Asyraf bin Muntalip	2021
2	Multiple Regression Analysis Between Mackintosh Probe and Soil Properties for Malaysian Soft Soil	Undergraduate	PKA UiTM	Muhamad Firdaus Bin Hisam	2021
3	Effect of Shear Strength For Tropical Residual Soil Mixed Bentonite	Undergraduate	FCE UiTM	Nurul Syafiqah Bt Ramli	2020
4	The Effect of Compaction For Residual Soil Mixed Benonite	Undergraduate	FCE UiTM	Ahmad Habibul Hakim Bin Harizan	2020

5	Correlation of Compaction Energies and Electrical Resistivity for Malaysian Residual Soil	Undergraduate	FCE UiTM	Muhammad Saifullah Bin Mohd Zaifuddin	2020
6	Shear Strength for Residual Soil Mixed Bentonite	Undergraduate	FCE UiTM	Mohd Helmi Anafi Bin Mohd Paudzi	2019
7	Modelling For Residual Soil Mixed Bentonite	Undergraduate	FCE UiTM	Nur Afiah Binti Abd Monir	2019
8	Effect of Clay Particles on The Shear Strength of Compacted Residual Soil	Undergraduate	FCE UiTM	Raja Asyraf Fadzlee Bin Raja Mohd Sharudin	2018
9	The Effect of Compaction Characteristics on Consolidation Properties for Residual Soil Mixed Bentonite	Undergraduate	FCE UiTM	Nasrul Azleen Binti Omar	2018
10	The Relationship Between Compaction Characteristics and Soil Properties for Residual Soil Mixed Bentonite As Soil Liner	Undergraduate	FCE UiTM	Puteri Nur Asmidar Binti Mohd Hizal	2017
11	Residual Soil Stabilized Using Bentonite	Undergraduate	FCE UiTM	Anwar Nadzmie B. Johari @ Baha	2017
12	Bentonite Effect on The Residual Properties at Different Compaction	Undergraduate	FCE UiTM	Yvess Anak Lemat	2016
13	Residual Soil Improvement by Using Bentonite	Undergraduate	FCE UiTM	Muhammad Izzat Az-Zahir bin Zulkefelee	2016
14	Relationship Between Soil Resistivity and Compaction for Residual Soil in Malaysia	Undergraduate	FCE UiTM	Muhamad Fakhirul Bin Yamanhuri	2015
15	Relationship Between Soil Resistivity and Soil Properties for Residual Soil	Undergraduate	FCE UiTM	Muhammad Ashraf bin Radzuan	2015
16	The Effect of Nanokaolin on The Kaolin Properties	Undergraduate	FCE UiTM	Siti Nur Samiha Binti Shaib	2014
17	The Effect of Nanokaolin on The Properties of Clay Soil	Undergraduate	FCE UiTM	Mohamad Faiz Bin Mohd Shuhaimi	2014
18	Shear Strength of Soft Soil Stabilized Using WPSA	Undergraduate	FCE UiTM	Nurul Izzati Binti Abdul Samad	2014
19	Effect of Nanoclay to The Strength of Clay Soil	Undergraduate	FCE UiTM	Benerd Anak Bilong	2013
20	The Effect of Using Calcite Bacteria on The Peat Strength	Undergraduate	FCE UiTM	Hazel William	2013
21	Clay Soil Stabilized Using SRS-A Polymer	Undergraduate	FCE UiTM	Muhammad Solahuddin Bin Misebah	2012
22	The CBR Value for Soft Soil Stabilized Using Lime-POFA Mixture	Undergraduate	FCE UiTM	Izatty Deanna Binti Mohamad Nordin	2012
23	The CBR Value for Bottom Ash Mixed In Road Sub-Base	Undergraduate	FCE UiTM	Rushdi Bin Eksi	2011
24	The CBR Value for Bottom Ash-PFA in Road Sub-Base	Undergraduate	FCE UiTM	Zaidi Bin Busra	2011
25	The Compressive Shear Strength for Peat Soil Stabilization Using WPSA	Undergraduate	FCE UiTM	Nur Fariza Binti Baharudin	2011
26	CBR Value for Clay Stabilized Using Waste Paper Sludge Ash (WPSA)	Undergraduate	FCE UiTM	Mohd Azrol Bin Mohamad Sukri	2010
27	The CBR Value for PFA-BA Mixture in Road Base	Undergraduate	FCE UiTM	Norhaslinda Binti Mustafa	2010
28	Effect of Curing Day on Cement-Shredded Tyre Composite Plate as Lateral Pressure Reducer	Undergraduate	FCE UiTM	Mohd Zamri Bin Hassan	2009
29	Effect on The Compressive Strength for Soft Soil Stabilized Using PFA-Lime Mixture	Undergraduate	FCE UiTM	Syazana Syahirah binti Jamaluddin	2009

PAPER PRESENTATION AND PUBLICATIONS

Journal

Norazlan Khalid, Mazidah Mukri, Faizah Kamarudin and Abdul Halim Abdul Ghani (2020). Effect of compaction characteristics on hydraulic conductivity performance for sedimentary residual soil mixed bentonite as compacted liners. IOP Conf. Series: Earth and Environmental Science (498) 012003.

- Norazlan Khalid, Mazidah Mukri, Mohd Fadzil Arshad, Norbaya Sidek and Faizah Kamarudin (2019). Effect on Salak Tinggi residual soil mixed Bentonite as compacted clay liner. IOP Conf. Series: Materials Science and Engineering (513) 012024. (doi:10.1088/1757-899X/513/1/012024)
- Norazlan Khalid, Mazidah Mukri, Mohd Fadzil Arshad and Y.Yulizar (2019). Geotechnical Properties of Salak Tinggi residual soil-bentonite mixture as liner. Journal of Mechanical Engineering Vol. 16(3), 79-90.
- M. Mukri, N. N. S.Aziz and N. Khalid, Geopolymer Effect in Modelling Hydraulic Conductivity for Designing Soil Liner of Laterite Soil. International Journal of Civil Engineering and Technology, 9(7), 2018, pp. 1962-1974.
- Norazlan Khalid and Mazidah Mukri (2017). Compaction characteristics on Dengkil residual soil mixed bentonite. Electronic Journal of Geotechnical Engineering, (22.02), pp 605-612.
- Nik Nurul Syuhada Nik Ab Aziz, Mazidah Mukri, Soenita Hashim and Norazlan Khalid (2015). Influence of Compaction Effort for Laterite Soil Mix with Geopolymer in Designing Soil Liner. Electronic Journal of Geotechnical Engineering, Vol 2, Bund. 22, pp12353-12364.
- Norazlan Khalid, Mohd Fadzil Arshad, Mazidah Mukri, Kamaruzzaman Mohamed and Faizah Kamarudin (2015). Influence of Nano-Soil Particles in Soft Soil Stabilization. Electronic Journal of Geotechnical Engineering, 2017 Vol.20 [2015], Bund.2 pp 731-738.
- Norazlan Khalid, Mohd Fadzil Arshad, Mazidah Mukri, Kamaruzzaman Mohamed and Faizah Kamarudin (2014). The Properties of Nano-kaolin Mixed with Kaolin. Electronic Journal of Geotechnical Engineering, 2017 Vol. 19 [2014], Bund. Q pp 4247-4255.
- Norazlan Khalid, Mohd Fadzil Arshad, Mazidah Mukri, Faizah Kamarudin and Abdul Halim Abdul Ghani (2014). The California Bearing Ratio (CBR) Value for Banting Soft Soil Subgrade Stabilized Using Lime-POFA Mixtures. Electronic Journal of Geotechnical Engineering, 2014 Vol. 19 [2014], Bund. A pp 155-163.
- Norazlan Khalid, Mazidah Mukri, Faizah Kamarudin, Norbaya Sidek and Mohd Fadzil Arshad (2013). The California Bearing Ratio (CBR) Value Of Road Sub-Base Aggregate Mixed With Bottom Ash. Malaysian Journal of Civil Engineering 25 Special Issue(1):112-121
- Norazlan Khalid, Norbaya Sidek and Mohd Fadzil Arshad (2013). Experimental Studies On Fibrous Peat Stabilized Using Waste Paper Sludge Ash (WPSA). Electronic Journal of Geotechnical Engineering, 2014 Vol. 13, Bund. A pp 1613-1621.

Proceeding

- Norazlan Khalid, Mazidah Mukri, Mohd Fadzil Arshad and Y.Yulizar (2017). Study on Salak Tinggi Residual Soil Mixed Bentonite As Liner. *Proceeding of the 4th International Civil and Infrastructure Engineering (INCIEC2017)*, Semarang, Indonesia.
- Faizah Kamarudin, Mazidah Mukri and Norazlan Khalid (2016). Stress Distribution and Settlement of Reinforced Soft Soil by Rowe Cell Test. *Proceeding of the an International Multi-Disciplinary Graduate Conference 2016 (GraCe 2016)*, Terengganu. pp521-526.
- Norazlan Khalid, Mazidah Mukri, Haryati Awang, Faizah Kamarudin, Abdul Halim Abdul Ghani and Soenita hAshim (2015). Compaction Characteristics of Banting Soft Soil Subgrade Stabilized Using Waste Paper Sludge Ash (WPSA). *International Conference On Advanced Science, Engineering and Technology (ICASET) 2015*, Penang.
- Norazlan Khalid, Mazidah Mukri, Faizah Kamarudin, MOhd Fadzil Arshad and Abdul Rahman Abdul Rahim (2013). The SRS-A Polymer Stabilizer Stabilized Clay Soil. *Proceeding of The 6th Civil Engineering Conference In The Asian Region (CECAR6)*, Jakarta, Indonesia.
- Aminuddin Baki, Raenah Md Sem, Norazlan Khalid, Safarina Haslimawaty Hamdan, Yasmin Ashaari, Mohd Azman Yahaya, Kamaruzzaman Muhammad, Azizan Hawa Hassan and Shahinaz Abd Rahim (2011). University-Industry Collaborations To Improve Stucents' Soft-Skills. International conference On Engineering Education (ICEE 2011), 25-27 December 2011, Madinah, Kingdom of Saudi Arabia. (ISBN 978-967-5995-07-1).
- Norazlan K., Norbaya S., Mohd Fadzil A. and Shaharin H. (2011). *Stabilization of Clay Soil Using Waste Paper Sludge Ash (WPSA) Mixture*. The 29th Conference on Asian Federation of Engineering Organizations (CAFEO 29). 28-30 November 2011, Brunei Darussalam.
- Norazlan K., Norbaya S., Mohd Fadzil A. and Shaharin H. (2011). *Strength of Peat soil Stabilized With Waste Paper Sludge Ash (WPSA)*. The 3rd Regional Symposium on Engineering and Technology 2011, RSET 2011). 21-23 November 2011 Kuching, Sarawak, Malaysia.

- Mohd Fadzil A., Mohd Hisbany M.H, Mazlina M, and Norazlan K. (2011). *The Workability Properties Of Concrete Containing Recycle Fine Aggregate from Waste Cement Brick*. The 3rd Regional Symposium on Engineering and Technology 2011, RSET 2011). 21-23 November 2011 Kuching, Sarawak, Malaysia.
- Norbaya Binti Haji Sidek, Norazlan Khalid and Asraf Bin Abdul Rasib (2011). *Effect Of Fine Percentage Particle And Moisture Content To Shear Strength Of Limestone Residual Soil*. The 3rd Regional Symposium on Engineering and Technology 2011, RSET 2011). 21-23 November 2011 Kuching, Sarawak, Malaysia.
- Norazlan K., Norbayah S., Mohd Fadzil A. (2011). *Utilization of Bottom Ash (BA) Use In Road Base*. International Building And Infrastructure Technology Conference 2011 (BITECH 2011). 7-9 Jun 2011, Pulau Pinang, Malaysia.
- Norazlan K., Norbaya S., Mohd Fadzil A. (2010). *Strength Characteristics Of Clay Soil Stabilized With PFA-Lime and PFA-OPC*. The 8th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), 1-3 Disember 2010, Sabah, Malaysia.
- Norazlan K., Norbaya S., Mohd Fadzil A. (2010). *Effect Of Clay Soil Stabilized With PFA-Lime*. Seminar Kebangsaan Aplikasi Sains Dan Matematik 2010 (SKSAM 2010). 8-10 Disember 2010. Johor Bahru, Malaysia.
- Norbaya S., Norazlan K., Aidillah M. (2010). *Effect of Particle Composition On The Shear Strength Characteristics Of Residual Soil At Constant Dry Density*. The 8th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010). 1-3 Disember 2010, Sabah, Malaysia.
- Norazlan Khalid, Chow Shiao Huey, Mohd Rizal Shukor (2009). *The potential of cement-shredded tyre composites (CSTC) plate as lateral pressure reducer in retaining wall*. Persidangan Kejuruteaan Awam Ke-5 (USM). 7-9 Oktober 2009, Kuala Lumpur, Malaysia.