

## CURICULUM VITAE



### A. PERSONAL DETAILS

1. Name : Abdul Samad Abdul Rahman
2. Date of Birth : 20-01-1973
3. Sex : Male
4. Office Address : Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia
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Google Scholar

<https://scholar.google.com.my/citations?user=aUIGHsAAAAJ&hl=en>



<http://prisma.uitm.edu.my/prisma/?doit=pubRec>

Scopus®

<https://www.scopus.com/authid/detail.uri?authorId=55138943800>

### B. BRIEF PERSONAL HISTORY

In Polytechnic, I have the opportunity to teach in various disciplines of civil engineering subjects especially in geotechnique area and work with a variety of the latest technology-based laboratory equipment of Soil Mechanics Laboratory. My eight years in Polytechnic has also become the best token of my academic qualification whereby I have proven the validity my technical knowledge which is subject to questions and discussion in an established academic institution. To date, by becoming the coordinator I have led the subjects of Engineering Foundation for final semester student. After that, I have been upgrading myself to work under

Universiti Teknologi MARA for the past 2008 until now. These eleven years of working experience has strengthened my abilities in terms of communication and correspondence with people of all levels and in different situations, adaptability to different working environment, delivering wise and win-win decision-making in normal and emergency circumstances and knowledge, theory and its applicability, in geotechnical instruments (software/hardware) technology.

C. **ACADEMIC QUALIFICATION**

No.	Name of Institution	Degree/Qualification	Date awarded
1.	Universiti Teknologi MARA (UiTM), Malaysia	MSc in Geotechnique	2008
2.	Universiti Teknologi Malaysia (UTM)	Bachelor of Engineering (Hons.) Civil	1997
3.	Universiti Teknologi Malaysia (UTM)	Diploma in Education	1999
4.	Politeknik Kuching, Sarawak	Certificate in Building Services	1992

D. **WORKING EXPERIENCE**

1.	2008-Present	Senior Lecturer, Faculty of Civil Engineering, Universiti Teknologi of MARA (UiTM), Shah Alam Campus. Majoring in geotechnical fields which involved in lecturing on Site Investigation Module, Geotechnical Engineering, Soil Mechanics and Geotechnical Laboratory and Workshop. Supervised students of Final Year Project in geotechnical areas.
2.	2017	Lecturer, Department of Civil Engineering, Politeknik Sultan Salahuddin Abdul Aziz Shah. Majoring in Engineering Foundation, Geotechnical I and Geotechnical II, Head of Laboratory, Workshop and Maintenance in Civil Engineering Department, Supervise the laboratory-based courses in Geotechnical courses, Supervise diploma project for at least 2 groups per semester
3.	2017	Take sabbatical leave for 3 month and joint IKRAM Research Centre to enhance more practical experience in site and involved in project that mostly are slope failure and mitigation measure

E. **PROFESSIONAL QUALIFICATIONS**

1. Professional Technologist, Malaysia Board of Technologists (MBOT) - Since 2018
2. Graduate Engineer, Board of Engineers Malaysia (BEM) - Since 1998
3. Graduate Member, The Institution of Engineers Malaysia (IEM) - Since 1998

F. **AREA OF RESEARCH**

Foundations, Shear Strength, Laboratory Test, Slope Stability and Forensic Works

G. **RESEARCH GRANTS**

1. **Main-Researcher** - Bioengineering Stabilization Method to Counter Rainfall Induced Slope Failure
2. **Main-Researcher** - Rotational Multiple Yield Surface Framework (RMYSF) For Settlement Prediction In Granitic Residual Soil
3. **Member** - Investigation On Wake-Induced Instabilities Of Twin Circular Cylinders Under Wind Actions
4. **Member** - Unsaturated And Saturated Effective Stress-Shear Strength Interaction Unique Relationship For Malaysian Soils

H. **PUBLICATION**

1. Abdul Samad Abdul Rahman, M.J. Md Noor, I.B. M. Jais and A Ibrahim, (2018). "Prediction of Soil Anisotropic Stress-Strain Behaviour Incorporating Shear Strength Using Improve Normalised Stress-Strain Method". International Journal of Intergrated Engineering, Special Issues 2018: Civil & Environmental Engineering, Volume 10, No. 2, pp. 49-55.
2. Abdul Samad Abdul Rahman, I.B.M. Jais, Juhaizad Ahmad and Mohd Ikmal Fazlan Rosli, (2018)). "Bamboo leaf ash as the Stabilizer for Soft Soil Treatment". IOP Conference Series: Earthand Environmental Science 140(2018) 012068.
3. Mohd Jamaludin Md Noor, Anas Ibrahim and Abdul Samad Abdul Rahman, (2018). "Normalised Rotational Multiple Yield Surface Framework stress-strain curve Prediction Method Based on Small Strain

Triaxial Test Data". IOP Conference Series: Earth and Environmental Science 140(2018) 012068

4. Mohd Ikmal Fazlan Rosli, Abdul Samad Abdul Rahman, Juhaizad Ahmad and Mohd Asha'ari Masrom, (2017). "The Effect of Fly Ash Pile in Problematic Soil Due to Liquefaction". International Conference of The Future ASEAN 2017 (ICOFA 2017), UiTM Perlis: ISBN 2231-7716.
5. Mohd Ikmal Fazlan Rosli, Abdul Samad Abdul Rahman and Juhaizad Ahmad, (2017)). "Analysis of Transmission With and Without Secondary Bracing". 2<sup>nd</sup> Civil Engineering Colloquium Universiti Teknologi MARA Pulau Pinang, pp 67: ISBN 978-967-0841-20-5.
6. Abdul Samad Abdul Rahman, Mohd Jamaludin Md Noor, Norbaya Sidek and Juhaizad Ahmad, (2017). "Prediction of Soil Stress-Strain Response Incorporates Mobilised Shear Strength Envelope of Granitic Residual Soil". The 2<sup>nd</sup> International Conference on Applied Science and Technology, Universiti Utara Malaysia
7. Abdul Rahman, A.S., Md. Nor, M.J., Mohd Jais, I.B and Md Zain, M.R., (2016). "Shear Strength of Granitic Residual Soil Due to Different Period of Soaking". 2nd International Conference in Environmental and Civil Engineering Technology (SCOPUS), pp 91: ISBN 978-967-5741-06-7
8. Abdul Rahman, A.S., Md. Nor, M.J., Mohd Jais, I.B and Md Zain, M.R., (2016)). "Degredation of Curvi-Linear Shear Strength Envelope at Failure Due To Soaking". Proceeding of International Conference on Innovation and Technology For Sustainable Built Environment, pp 96: ISBN 978-967-5741-06-7
9. Abdul Rahman, A.S., Zahari, L.N.H., (2015). "Bioengineering Stabilization Method to Counter Rainfall Induced Slope Failure". 3<sup>rd</sup> International Civil and Infrastructure Engineering Conference (InCIEC), 21<sup>st</sup> – 22<sup>nd</sup> September 2015, Grand Blue Wave, Shah Alam, pp 91: ISBN 978-967-5741-06-7
10. Abdul Rahman, A.S., (2012). "Clay Stabilization Using Fly Ash With Silica Fume and Cement as Booster in Pozzolonic Reaction". International Conference on The Future of Asean (ICoFA) 2015, 27<sup>th</sup> – 28<sup>th</sup> Oktober 2015, Hotel Seri Malaysia, Perlis, pp 96: ISBN 978-967-5741-06-7
11. Abdul Rahman, A.S., Zahari, L.N.H., (2012). "Application of Non-Linear Failure Envelope in Back Analysis For Shallow Rainfall Induced Slope Failure". 2014 Proceedings of World Landslide Forum 3 (WLF3), 2<sup>nd</sup> – 6<sup>th</sup> June 2014 Beijing, China, pp 91: ISBN 978-967-5741-06-7
12. Abdul Rahman, A.S., (2012). "Role of Soaking in Rainfall-Induced Slope Failure According to Non-Linear Failure Envelope". 2014 Proceedings of World Landslide Forum 3 (WLF3), 2<sup>nd</sup> – 6<sup>th</sup> June 2014 Beijing, China, pp 96: ISBN 978-967-5741-06-7

13. Hamzah, N., Abdul Rahman, A.S., (2012). "Analysis of Transmission Tower with and without Secondary Bracing". 2014 IEEE Colloquium on Humanities, Science and Engineering (CHUSER), 7<sup>th</sup> – 8<sup>th</sup> April 2014 Hard Rock Hotel Penang: ISSN 2229-8460
14. Abdul Rahman, A.S., Zahari, L.N.H., (2012). "A Review For Hybrid Foundation Over Thick Soft Soil". 2013 IEEE Symposium on Humanities, Science and Engineering Research (SHUSER), 23<sup>rd</sup> – 25<sup>th</sup> June 2013 Hard Rock Hotel Penang, pp 91: ISBN 978-967-5741-06-7
15. Abdul Rahman, A.S., (2012). "A Laboratory Study On Shear Strength of Soil Under Unsoaked And Soaked Condition". 2013 IEEE Symposium on Humanities, Science and Engineering Research (SHUSER), 23<sup>rd</sup> – 25<sup>th</sup> June 2013 Hard Rock Hotel Penang, pp 96: ISBN 978-967-5741-06-7
16. Abdul Rahman, A.S., Zahari, L.N.H., (2012). "A Laboratory Study of Laterite Soil Mix With Usable Cooking Oil Under Unsoaked and Soaked Condition". Proceeding of International Conference on Innovation and Technology For Sustainable Built Environment, pp 91: ISBN 978-967-5741-06-7
17. Abdul Rahman, A.S., (2012). "Curvi-linear Shear Strength Envelope For Residual Soil in Precinct 9,Putrajaya For Unsoaked and Soaked Multistage Triaxial Drained Test". Proceeding of International Conference on Innovation and Technology For Sustainable Built Environment, pp 96: ISBN 978-967-5741-06-7
18. Hamzah, N., Abdul Rahman, A.S., (2012). "The Effect Of Usable Lubricant Oil Disposal And Soaking Process On The Shear Strength Of Laterite Soil". Proceeding of International Conference on Civil and Environmental Engineering for Sustainability : ISSN 2229-8460
19. Ahmad, J., Abdul Rahman, A.S., Mohd Ali, A.R., Abd Rahman, K.F., (2011). "Peat Soil Treatment Using POFA". Proceeding of Humanities, Science and Engineering (CHUSER), 2011 IEEE Colloquium, pp 66 – 70: ISBN 978-1-4673-0021-6 {IEEE}
20. Ahmad, J., Md Zain, N.H., Ashaari, Y., Abdul Rahman, A.S., (2011). "Lateral movement and settlement of sandwiched soft soil using physical model". Proceeding of Humanities, Science and Engineering (CHUSER)

## I. **INDUSTRIAL RESEARCH CONSULTATION**

1. Proposed a setting up of a systematic slope management for Putrajaya – Contract research on proposed shallow slope failure monitoring system for Precinct 9, 11 & 20 Putrajaya, Wilayah Persekutuan Malaysia – Consultancy Services
2. Proposed a setting up of a systematic slope management for Putrajaya – Contract research on proposed shallow slope failure monitoring system for

Precint 9, 11 & 20 Putrajaya, Wilayah Persekutuan Malaysia – Laboratory Testing Services

3. Sample Extraction And Laboratory Testing Work For Before And After Pur Injection At Km22 Southbound, Elite North South Expressway
4. Pembangunan dan Infrastruktur Stesen Penyelidikan Lembaga Getah Malaysia (LGM) di Bukit Kuantan, Kuantan Pahang.
5. Geotechnical Investigation of Cavity and Settlement at BESRAYA, Jalan Kuchai Lama Section Due to Complete Pipe Jacking Work.