

CURRICULUM VITAE



A. **PERSONAL DETAILS**

1. Name : Ts. Dr. Adnan bin Derahman
2. Date of Birth : MAY 13, 1972
3. Sex : Male
4. Office Address : Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia
5. Tel: : (6) 03-55436174 (office)
(6) 019-2368620/013-3939392 (h/p)
6. E-mail : dradnan1305@yahoo.com,
dradnan1305@gmail.com, dradnan@uitm.edu.my,

Google Scholar

https://scholar.google.com/citations?user=kRvPJ5EAAAAAJ&hl=en&gmla=AJsN-F5MG2DtiwF5P0Uj37_XJgUwpNoGSXi2kmYOPIrAoFbYp40hMKS2FTSGOu4vju4DuN6a_cdeDevaXCJZq0-TDXCEcBfEbBttOFVJG_CXLXJG9cX-GPU&sciund=4384219111261429649&gmla=AJsN-F67c73eF_Vib6HGx_Nrg2icLT0fMkkPTcNjK6HblWGOIH24kbJL3V0lscRdw1UxxlvRHnkKXexb76MRSImuLzmkceccSgJsg-pNqa6Tt_vEfOFL4&sciund=1734221309287331460

PRISMa
Publication Repository Information System Management



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

Scopus

<https://www.scopus.com/results/authorNamesList.uri?sort=count-f&src=al&sid=b07019d0852def993230a5709c23d013&sot=al&sdt=al&sl=43&s=AUTHLAS-TNAME%28derahman%29+AND+AUTHFIRST%28adnan%29&st1=derahman&st2=adnan&orcidId=&selectionPageSearch=anl&reselectAuthor=false&activeFlag=true&showDocument=false&resultsPerPage=20&offset=1&jtp=false¤tPage=1&previousSelectionCount=0&tooManySelections=false&previousResultCount=0&authSubject=LFSC&authSubject=HLSC&authSubject=PHSC&authSubject=SOSC&exactAuthorSearch=false&showFullList=false&authorPreferredName=&origin=searchauthorfreelookup&affiliationId=&txGid=0e820ce713c85dfef8c7cd971a8fece3>

B. ACADEMIC QUALIFICATION

- 2011 **UNIVERSITI TEKNOLOGI MARA**
PhD in Civil Engineering (Geotechnical)
- 2008 **UNIVERSITI TEKNOLOGI MARA**
Master of Science in Civil Engineering (Geotechnical)
- 1998 **UNIVERSITI TEKNOLOGI MARA**
Bachelor of Engineering with Honours (Civil)
- 1994 **UNIVERSITI TEKNOLOGI MALAYSIA**
Diploma in Civil Engineering

C. WORKING EXPERIENCE

- Jul 2012-Present **UNIVERSITI TEKNOLOGI MARA**
Senior Lecturer, Faculty of Civil Engineering
- Aug2001-June2012 **MAJLIS PERBANDARAN SUBANG JAYA**
Acting Director / Deputy Director, Engineering Department
- Sep2000-Jul2001 **KHAIRI CONSULT SB**
Design Engineer
- Aug1999-Aug2000 **KEMENTERIAN KERJA RAYA MALAYSIA**
Assistant Director, Highway Planning Unit
- Jul1998-Jul1999 **MAJLIS PERBANDARAN SUBANG JAYA**
Civil Engineer, Engineering Department
- Nov1997-Jun1998 **PLUS BERHAD**
Technical Executive, Project Management Department
- Jan1995-Jun1995 **SM SULTAN ABU BAKAR, KUANTAN, PAHANG**
Teacher
- May1994-Dec1994 **Hengka Construction SB**
Site Agent/Site Supervisor

D. PAST AND PRESENT TEACHING/ LECTURING EXPERIENCES

- 2012-Present **UNIVERSITI TEKNOLOGI MARA**
Senior Lecturer, Faculty of Civil Engineering
Subjects:
1. Soil Mechanics
2. Geology
3. Surveying
4. Earth Retaining Structures
• Lectures/ Tutorials
• Coursework
Examination and Test papers
- 2008-Present **IKRAM TRAINING AND INFRASTRUCTURE DEVELOPMENT INSTITUTE**
Freelance Lecturer, Program Latihan Siswazah Industri Pembinaan CIDB
Subjects:
1) Soil Investigation Works
2) Foundation Works
• Lectures
• Presentations
• Test papers
- 2008-2009 **UNIVERSITI TEKNOLOGI MARA**
Part-Time Lecturer, Faculty of Civil Engineering
Subjects:
1) Construction Technology (ECM446)
2) Construction Management II (KJA 536)
• Lectures/Tutorials
• Coursework
• Examination and Test papers
- 2000-2002 **UNIVERSITI TEKNOLOGI MARA**
Part-Time Lecturer, Faculty of Civil Engineering
Subject:
1) Structural Design I (KJA 338)
• Lectures/Tutorials
• Coursework
• Examination and Test papers
- 1995 **SM SULTAN ABU BAKAR, KUANTAN, PAHANG**
Part-Time Teacher for Form 4 Science Subject

E. REGISTERED RESEARCH PROJECTS

- 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)

F. INTERNATIONAL CONFERENCES

- 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.**

G. PAPERS, PRESENTATIONS AND PUBLICATIONS

- 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 Geoundwater Seepage Assessment. International Journal of Civil Engineering and Technology (IJCIET).*
- 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.

H. REGISTERED CONSULTANCY PROJECTS

- 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

I. AWARDS

2016 **IIDEX SHAH ALAM**
GOLD MEDAL

2016 **IIDEX SHAH ALAM**
SILVER MEDAL

2015 **IID JOHOR**
BRONZE MEDAL

2014 **UNIVERSITI TEKNOLOGI MARA**
ANUGERAH SIJIL PERKHIDMATAN CEMERLANG

2010 **21ST 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

J. PATENT/COPYRIGHTS

2017 **A LARGE SCALE ANCHORED EARTH TEST BOX
APPARATUS/PULLOUT APPARATUS**
PATENT

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

K. PROFESSIONAL AFFILIATIONS

2018-Present **MALAYSIA BOARD OF TECHNOLOGISTS**
Professional Technologist (PT18010001)

2012-Present **ASEAN ENGINEERING REGISTER**
Associate ASEAN Engineer (AAE 2966)

2008 **UiTM SHAH ALAM**
Industrial Training Panel for Civil Engineering Faculty

1998-Present **BOARD OF ENGINEERS, MALAYSIA**
Graduate Member (29476A)

1998-Present **THE INSTITUTION OF ENGINEERS, MALAYSIA**
Graduate Member (18061)

L. SPORT/FITNESS QUALIFICATION

2005 **NATIONAL FITNESS COUNCIL, MALAYSIA**
Advanced Cert. in Fitness Instructor (Gym)