

## CURRICULUM VITAE

### A. PERSONAL DETAILS

**Name** : Ismacahyadi Bagus Mohamed Jais  
**I.C. Number** : 781015 - 14 - 5013  
**Home Address**: 38, Jalan Pegaga U12/10,  
Seksyen  
U12 Desa  
Alam,  
40170, Shah Alam,  
Selangor Darul Ehsan,  
Malaysia.  
**Mobile Number** : +6019 - 300 9280  
**Office Address**: Faculty of Civil Engineering  
Universiti Teknologi  
MARA, 40450 Shah Alam,  
Selangor Darul Ehsan,  
Malaysia.  
**Office Number**: +603 - 5543 5233  
**Fax Number** : +603 - 5543 5275



### B. ACADEMIC QUALIFICATION

[Institution]	[State/Country]	[Duration]
Ph.D in Civil Engineering (Numerical Ehsan Universiti Teknologi MARA	Selangor Darul Ehsan June 2007 - April Geomechanics) Malaysia	2014
M.Sc in Geotechnical Engineering Sept. University of Newcastle upon Tyne Kingdom	Newcastle upon Tyne	Sept. 2003 - United 2004
Bachelors in Engineering (Civil)(Hons.) - Oct. Universiti Teknologi MARA	Selangor Darul Ehsan Malaysia	June 1999 2001
Dip. in Civil Engineering April Universiti Teknologi MARA	Selangor Darul Ehsan Malaysia	June 1996 - 1999

### **C. PROFESSIONAL QUALIFICATION**

Graduate member of the Board of Engineers, Malaysia 2002 – present (Membership No: GE39069A)

Graduate member of the Institute of Engineers, Malaysia 2000 – present (Membership No: 21053)

### **D. WORK EXPERIENCE**

Senior Lecturer Faculty of Civil Engineering University of Technology MARA	Selangor Darul Ehsan Malaysia	April 2010 – present
Lecturer Faculty of Civil Engineering University of Technology MARA	Selangor Darul Ehsan Malaysia	Oct. 2004 – April 2010
Lecturer Faculty of Civil Engineering University of Technology MARA	Selangor Darul Ehsan Malaysia	Dec. 2001 – August 2003
Design Engineer MKH Runding Sdn. Bhd.	Pahang Darul Makmur Malaysia	Oct. 2001 – Dec. 2001

### **E. ACADEMIC ACTIVITIES**

#### **Course/Seminar/Workshop**

Speaker  
Introductory Training Course using PLAXIS Finite Element Code 2017  
For Practising Engineers  
May and June

Speaker  
Smart Civil Engineering Education for Lecturers from  
UNNES, Indonesia  
April 2017

Advisory Committee  
One Day Seminar on Biogeotechnics by Assoc Prof Dr Leon  
Andreas Van Paassen  
June 2017

Advisory Committee One Day Seminar on Landslide and Engineering Mechanics of Soil Nailing by Assoc Prof Dr Mohd Jamaludin Md Noor	June 2017
Advisory Committee One Day Seminar on The Teaching of Soil Mechanics Prof Laurence Daniel Wesley	June 2017
Exhibitor Program hari Entiti Kecemerlangan UiTM	Nov 2017
Committee Taklimat Core GSTD	Nov 2017
Reviewer Bengkel Semakan Kurikulum EC110	March 2016
Reviewer and Paper Setter Bengkel Menyediakan Kertas Soalan Peperiksaan (PKSP) dalam Bank Soalan bagi Peperiksaan Program EC220 dan Master	Feb 2016
Committee Member Bengkel Jawatankuasa Kecil Penyediaan Seksyen Baru Dalam Spesifikasi Piawai Jalan (SPJ) – Section 18: Soil Stabilization	March 2015
Committee Member Technical Committee on Geotechnical Works I	May 2015
Committee Member Technical Committee on Working Group 1 MS 2038	July 2015
Committee Member Bengkel Jawatankuasa Kecil Penyediaan Seksyen Baru Dalam Spesifikasi Piawai Jalan(SPJ) – Section 18: Soil Stabilization	Dec 2015
Parallel Session Chair 3 <sup>rd</sup> International Civil and Infrastructure Engineering Conference Alam	Sept 2015
Speaker Professional Programme in Maintenance and Rehabilitation of Roads and Bridges using Road Asset Management System (RAMS)	June 2014
Evaluation Panel Student Final Year Project Polytechnic, Sabak Bernam	March 2014

Evaluation Panel E-Science Grants Industrial Cluster Ministry of Science, Technology and Innovation	April 2014
Evaluation Panel Student Final Year Project Polytechnic, Sabak Bernam	Oct 2014
Advisory Committee Ecolabelling Product Criteria Document SIRIM Berhad	Nov 2014
Panel Interview Temuduga Calon Biasiswa Staf dan Tenaga Pengajar Muda (TPM) 2015	Dec 2014
Presenter International Innovation, Design and Articulation, I-IDEA 2013	May 2013
Evaluation Panel E-Science Grants Ministry of Science, Technology and Inovation	March 2013
Evaluation Panel Student Final Year Project, Polytechnic, Sabak Bernam	March 2013
Evaluation Panel E-Science Grants (Special funding) Ministry of Science, Technology and Inovation	April 2013
Ad-Hoc Committee Employer/Industry Manager Lawatan Audit EAC ke Fakulti Kejuruteraan Awam	August 2013
Ad-Hoc Committee Website Manager Lawatan Audit EAC ke Fakulti Kejuruteraan Awam	August 2013
Evaluation Panel Student Final Year Project Polytechnic, Sabak Bernam	Oct 2013
Presenter Asia Pacific Conference on Unsaturated Soil, Newcastle, Australia	Dec 2009
Presenter Regional Conference on Engineering Research, UMP, Pahang	Dec 2009

Trainer PLAXIS Beginner Course for Practising Engineers Ranhill Bersekutu Sdn Bhd.	Aug 2009
Speaker and Facilitator Series of GeoHiTS Technical Workshop 2005 (SGTW '05), UiTM Series III – Rock Testing and Characterisation	Sept. 2005
Chairperson Series of GeoHiTS Technical Workshop 2005 (SGTW '05), UiTM	2005/2006
Course Committee Short Course on Academic Writing for Proceedings and Journals, UiTM	Sept. 2005
Committee Seminar IRPA 2005 (IRDC & FKA), UiTM	Feb. 2005
Technical Staff World Conference on Timber Engineering (WCTE), UiTM.	August 2002
Master of Ceremony Short Course for World Conference in Concrete Material and Structures (WCCMS), UiTM	May 2002

### **Teaching/Research Supervision**

Giving lectures on courses related to Soil Mechanics and Geotechnique.  
Preparing lecture notes for the given course for degree students.  
(Sept 2018 – Oct 2018)

Giving lectures on courses related to Engineering Survey and Geotechnical  
Numerical Modelling. Preparing lecture notes for the given course for degree  
students and MSc students.  
(March 2018 – June 2018)

Giving lectures on courses related to Soil Mechanics and preparing lecture  
notes for the given course for degree students.  
(Sept 2017 – Jan 2018)

Giving lectures on courses related to Soil Mechanics and preparing lecture  
notes for the given course for degree students.  
(March 2017 – June 2017)

Giving lectures on courses related to Research Methodology and preparing  
lecture notes for the given course for MSc students.

(March 2017 – June 2017)

Giving lectures on courses related to Engineering Geology and preparing lecture notes for the given course for degree students.

(Sept 2016 – Jan 2017)

Giving lectures on courses related to Advanced Foundation Engineering and preparing lecture notes for the given course for MSc students.

(March 2016 – June 2016)

Giving lectures on courses related to Ground Improvement and Remediation and preparing lecture notes for the given course for MSc students.

(March 2016 – June 2016)

Giving lectures on courses related to Earth Retaining Structure and preparing lecture notes for the given course for MSc students.

(Sept 2015 – Jan 2016)

Giving lectures on courses related to Soil Mechanics and preparing lecture notes for the given course for degree students.

(Sept 2015 – Jan 2016)

Giving lectures on courses related to Numerical Modelling in Geotechnics and preparing lecture notes for the given course for MSc students.

(March 2015 – June 2015)

Giving lectures on courses related to Ground Improvement and Remediation and preparing lecture notes for the given course for MSc students.

(March 2015 – June 2015)

Giving lectures on courses related to Geotechnique and preparing lecture notes for the given course for degree students.

(Sept 2014 – Jan 2015)

Giving lectures on courses related to Soil Mechanics and preparing lecture notes for the given course for degree students.

(Sept 2014 – Jan 2015)

Giving lectures on courses related to Numerical Modelling in Geotechnics and preparing lecture notes for the given course for MSc students.

(March 2014 – June 2014)

Giving lectures on courses related to Ground Improvement and Remediation and preparing lecture notes for the given course for MSc students.

(March 2014 – June 2014)

Giving lectures on courses related to Research Methodology and preparing lecture notes for the given course for degree students.  
(Sept 2013 – Jan 2014)

Giving lectures on courses related to Site Investigation and preparing lecture notes for the given course for degree students.  
(Sept 2013 – Jan 2014)

Giving lectures on courses related to Soil Mechanics and preparing lecture notes for the given course for degree students.  
(Sept 2013 – Jan 2014)

Giving lectures on courses related to Numerical Modelling in Geotechnics and preparing lecture notes for the given course for MSc students.  
(March 2013 – June 2013)

Giving lectures on courses related to Geotechnique and preparing lecture notes for the given course for degree students.  
(March 2013 – June 2013)

Giving lectures on courses related to Soil Mechanics and preparing lecture notes for the given course for degree students.  
(Sept 2012 – Jan 2013)

Giving lectures on courses related to Mechanics of Soil and preparing lecture notes for the given course for diploma students.  
(June 2005 – April 2007)

Giving lectures on courses related to Engineering Geology and preparing lecture notes and laboratory manual for degree students.  
(Dec. 2004 – April 2007)

Supervising final year students for research on both constitutive modeling and physical modeling of embankment built on Malaysian marine clay and soft clay.  
(Dec. 2004 – April 2006)

Giving lectures on courses related to Geotechnique I and preparing lecture notes for the given course for degree students.  
(Dec. 2004 – March 2005)

Giving lectures on courses related to Mechanics of Soil and preparing lecture notes for the given course for diploma students.  
(Dec. 2002 – Sept. 2003)

Giving lectures on courses related to Engineering Survey and Engineering Survey Laboratory and preparing laboratory manual for both degree and diploma students.

(Dec. 2001 – Sept. 2003)

Giving lectures and technical support on courses related to Finite Element Analysis using LUSAS, numerical analysis and programming laboratory including contribution to laboratory manuals for degree students.

(Dec. 2001 – Oct. 2002)

## **POST GRADUATES**

### **PhD Research**

<b>Name</b>	<b>Project Title</b>	<b>Supervision</b>	<b>Completion Date</b>
Norbaya Hj Sidek	Soil Strength Behaviour under Polycynate Friction Root System	Co-supervisor	November 2017
Zeety Md Yusof	Strength of Treated Peat Soil using Hydrated Lime-Pond Ash	Co-supervisor	September 2018
Nurul Huda Abdullah	Application of Seismic Refraction in Site Investigation	Supervisor	(On-going)
Ahmad Fadzil Jobli	Shear Strength and Volume Change Behaviour of Weathered Rock	Co-supervisor	(On-Going)
Syed Omar	Modelling the Characteristics of Seismically Induced landslide	Co-supervisor	(On-going)
Norazlan Khalid	Residual Soil Stabilization using Bentonite as Soil Liner	Co-supervisor	(On-going)
Asmidar Alias	Experimental Study of Hydro-mechanical Behaviour and Cyclic Loading of Chemical Stabilized Sulphate Bearing Residual Soil	Co-supervisor	(On-going)



Mohd Ashari Muda	Stability of Slope due to Soaking Effect Incorporating Non Linear Shear Strength Envelope	Co-supervisor	(On-going)
Diana Che Lat	Settlement and Buoyancy Behaviour of Polyurethane Foam on Marine Clay	Co-supervisor (UTM)	(On-going)

### **PhD Research**

<b>Name</b>	<b>Project Title</b>	<b>Supervision</b>	<b>Completion Date</b>
Haseef Idzlan Zahidi	Effect of Interaction Factors Among Pile, Raft and Soil to the Load Settlement Relationship and Load Sharing of Pile Raft Foundations on Normally Consolidated Layered Clay Soil Under Vertical Load	Co-supervisor	(On-going)
Wael Mahmood Jaafar Albedri	Volume Change Behaviour of Babylon Sand	Co-supervisor	(On-going)
Israa Jamal Hamoodah	Membrane Penetration Behaviour in Triaxial Test on Coarse Grain Soil	Co-supervisor	(On-going)

### **MSc Research**

<b>Name</b>	<b>Project Title</b>	<b>Supervision</b>	<b>Completion Date</b>
Nurul Huda Ariffin	Membrane Penetration Effect in Consolidated Drained Test	Co-supervisor	(On-going)
Zakiah Razak	Settlement Analysis using Asaoka and Terzaghi Methods at Seksyen 7, Shah Alam	Co-supervisor	(On-going)
Zaher Almkahal	Numerical Modelling Assessment on River Till Embankment Behaviour	Co-supervisor (UNITEN)	(On-going)

### **MSc Dissertation**

<b>Name</b>	<b>Project Title</b>	<b>Supervision</b>	<b>Completion Date</b>
Wan Muhammad Imran Wan Kamarudin	Buoyancy Effect of PU Flatbed at Different Thickness	Main	January 2019

Nor Hibatul Wafi Nor Zarin	Modified Compressibility of Soft Soil With Installed PU Flatbed	Main	January 2019
Noor Atina	Evaluation of Spun Pile	Main	January 2018

Dahari	Performance from PDA Test using PLAXIS FEC		
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### **MSc Dissertation**

<b>Name</b>	<b>Project Title</b>	<b>Supervision</b>	<b>Completion Date</b>
Siti Rosyani Ahmad Roslan	Evaluation of Slope Stabilized with Anchor System and Soil Nail System: A Case Study at Section 26 Shah Alam	Main	January 2019
Noorul Amimah Ismail	Performance of Piled Embankment Approach against Polyurethane (PU) Stabilized Approach using PLAXIS Finite Element (FE)	Main	January 2019
Nor Haslindah Razali	Forensics Analysis of Slope Failure at Gua Musang using PLAXIS Finite Element Code	Main	(On-going)
Nur Aqilah Huda Adam	Geotechnical Forensic Investigation of Slope Failure at Kg Lot Sandakan, Sabah	Main	(On-going)
Muhammad Hilmi Ibrahim	Deep Soil Mixing for Ground Improvement and Retaining Structure on Weak Soil Above KL Limestone	Main	(On-going)
Wan Nor Syazwani Wan Hashim	Index Properties of Granitic Rock Based on Weathering Variations in Segari, Perak	Main	January 2017
Mohd Azwan Salleh	Compressibility of Palm Kernel Oil-Based Polyurethane Foam/Resin as Alternative Method for Ground Improvement	Main	January 2017

Nastasa Abdul Samat	Strength of Palm Kernel Oil-Based Polyurethane Foam/Resin as Alternative Method for Ground Improvement	Main	January 2017
Siti Noor Syamimi Ismail	Embankment Deformation Reinforced with	Main	June 2017

	Polyurethane Mattress and Geotextile at Batu Maung, Penang		
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### **MSc Dissertation**

<b>Name</b>	<b>Project Title</b>	<b>Supervision</b>	<b>Completion Date</b>
Shunoreena Mohd Shukor	Performance Evaluation of PVD Against Stone Column for Soft Ground Improvement	Main	June 2017
Fadwa Roslan	Settlement Analysis of Soft Marine Clay In Melaka	Main	January 2015
Farhana Azwani Yahaya	PLAXIS Analysis of Ground Settlements Due to Deep Excavations in Karstic Formation: A Case Study of KVMRT Underground Package, Cochrane Station Excavation	Main	January 2015
Muham Zaini Hamzah	Simulation of Undulation settlement and Remedial Correction at the New North Klang Strait Bypass (NNKSB)	Main	January 2015
Muhammad Faiz Mazlee	Simulation of Plate Bearing Test for Friction Root Ground Support System in Sand using PLAXIS Finite Element	Main	July 2014
Farhana Jamil	Comparison Between Polyurethane Injection System and Lightweight Concrete for Embankment Rehabilitation using PLAXIS FE	Main	July 2014
Norazlina Md Yusoff	Prediction of Pile Dynamic Analysis using PLAXIS Finite Element Code	Main	July 2014
Nurul Akmal Laili Mohamed Saidi	Interpretation of Shear Strength from Numerical Method against Laboratory	Main	July 2014

	Triaxial Test		
Diana Che Lat	Evaluation of Performance for Polyurethane Injection Pile System against	Main	July 2013

	Lightweight Concrete as a Ground Improvement using PLAXIS		
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### **MSc Dissertation**

<b>Name</b>	<b>Project Title</b>	<b>Supervision</b>	<b>Completion Date</b>
Akram Mohamad Jamil	Evaluation of Ground Settlement and Deformation due to Pipe Jacking Work in Malaysian Soft Clay	Co-supervisor	July 2013
Muhammad Fakhar Abdul Malek	Performance Evaluation of Pavement Ground Rehabilitation using Polyurethane Foam Injection	Co-supervisor	January 2013

### **PANEL OF EXAMINER**

<b>Name</b>	<b>Research Title</b>	<b>Level</b>	<b>Date of Viva Voce</b>
Habib Musa Mohamad	Post Cyclic Behaviour of Peat Soil	MSc (UTHM)	20 <sup>th</sup> August 2015
Muhammad Zawawi Rosman	Solidification Of Dredged Marine Soils By Mass Treatment: 1-D Compressibility Study	MSc (UTHM)	24 <sup>th</sup> January 2017
Mohamad Shakri Mohamad Shariff	Performance of PFA-Cement-Sand Stabilized Column in Soft Soil	PhD	19 <sup>th</sup> June 2017
Pooya Safari	Collapse Behaviour of Unsaturated Granitic Residual Soil Grade V Incorporating Effective Stress and Shear Strength	PhD	16 <sup>th</sup> November 2017
Nik Nurul Syuhada Nik Ab Aziz	Hydraulic Conductivity of Laterite Soil Mix with Geopolymer in Designing a New Soil Liner System	PhD	20 <sup>th</sup> March 2018

### **UNDERGRADUATES**



<b>Undergraduates</b> <b>Student Name and Project Title</b>	<b>Supervision</b>	<b>Date</b>
1. Muhammad Faiz Mazlee Shear Strength and Stiffness of Peat Soil	Main	January 2013

## Stabilised with Polyurethane

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|--|------|-----------------|
| 2. Tengku Nur Dalila Tengku Endut<br>Compressibility o Peat Soil Stabilised<br>with Polyurethane   | Main | January<br>2013 |
| 3. Nurul Ashekin Morad<br>Stability Analysis of Slope Reinforced<br>with Soil Nail and Grid Beam   | Main | January<br>2013 |
| 4. Siti Noor Syamimi Ismail<br><br>Stability Analysis of Slope Stabilised<br>with Polyurethane Resin                                     | Main | January<br>2013 |
| 5. Mohd Syafiq Abdul Razak<br>Permeability of Lateritic Residual<br>Soil Stabilized with Polyurethane<br>Foam                            | Main | July 2013       |
| 6. Raja Nor Ismah Falina Raja Iskandar<br>Effect of Sample Size to the Shear<br>Strength And Stiffness of<br>Polyurethane Foam           | Main | July 2013       |
| 7. Hasna Yusuf<br>Analysis of Ground Remediation<br>using Polycynate Injection Pile<br>System using PLAXIS                               | Main | July 2013       |
| 8. Muhammad Farheen Mustaffa<br>Performance of Pavement using<br>Polyurethane as Binder  | Main | January<br>2013 |
| 9. Mohamad Shukri Mohd Mabror<br>Vertical Permeability of Soft Soil at<br>Pulau Indah using Hydraulic Cell                               | Main | January<br>2013 |
| 10. Muhammad Haziq Azfar Abdul<br>Wahid Effect of Soaking to the<br>Shear Strength<br>Reduction of Residual Soil in<br>Bukit Setiawangsa | Main | January<br>2013 |
| 11. Kamarul Arifin Ahmad<br>2013 Modelling of Soil Erosion Control using<br>Rockfill   | Main | January         |
| 12. Fauziahanim Razali   | Main | July 2014       |

Effect of Torsional Stress to the  
Behaviour Of Group Piles

- |  |      |              |
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| 13. Noridah Ahmad Taib<br>2014 Bonding and Stability of Polyurethane Resin<br>As Road Binder   | Main | July         |
| 14. Nur Hidayah Abdul Rahman<br>2014 Performance of Polyurethane Floating Raft<br>For Ground Improvement on Soft Ground                            | Main | December     |
| 15. Nur Liana Mohamed<br>2014 Performance of Lightweight Concrete as<br>Geotechnical Reinforcement<br>for Embankment on Soft<br>Soil               | Main | December     |
| 16. Nurfarhana Ahmad Supi<br>2014 Analysis of Artificial Friction Root System<br>For Remediation Works at Ijok Toll Plaza:<br>A Case Study         | Main | December     |
| 17. Nurul Hafizah Ismail<br>2015 In Situ Plate Loading Test on Ground<br>Improvementm using Polyurethane<br>Injection System                       | Main | June         |
| 18. Gelburai Rabong<br>2015 Polyurethane Encased Pipe Raft for Alternative<br>Support System on Soft Ground  | Main | June         |
| 19. Rabiatul Adawiyah Zaid<br>2015 Laboratory Modelling of Plate Bearing Test<br>On Polyurethane Friction Root System                              | Main | June         |
| 20. Azmeera Roslan<br>2016 Slope Mitigation Measures for Sekolah Jenis<br>Kebangsaan (Tamil) Tanah Rata,<br>Cameron Highland                       | Main | January      |
| 21. Mohd Syafiq Abdul Raji<br>2016 Stability Analysis of Slope Mitigation<br>Measures for Sek. Jenis Keb.<br>(Cina) Brinchang, Cameron<br>Highland | Main | January      |
| 22. Mohamad Aiman Ishak  | Main | January 2016 |

Slope Mitigation Measures at SK Tanah Rata,  
Cameron Highland

- |     |   |      |         |
|-----|---|------|---------|
| 23. | Rosidah Hassan<br>2016 Performance Evaluation of Polyurethane Foam<br>As Immediate Ground<br>Treatment for Problematic Soil   | Main | January |
| 24. | Nurul Shahzira Roslan<br>2016 Slope Mitigation Measures for Sekolah<br>Menengah Kebangsaan Sultan Haji<br>Ahmad Shah  | Main | June    |
| 25. | Muhammad Syahmi Ahamad Kamil<br>2016 Road Settlement Evaluation of Ground<br>Remediation Technique using<br>Polyurethane Foam Injection in PLAXIS<br>FEC                    | Main | June    |
| 26. | Siti Zulaikha Zulkefli<br>2016 Analysis of Remediation Solution using<br>Polyurethane Foam in PLAXIS Finite Element<br>Method   | Main | June    |
| 27. | Sri Eka Wahyuni Nazaruddin<br>2016 Analysis of Ground Deformation after PU<br>Injection using PLAXIS FEC  | Main | June    |
| 28. | Afifah Mazlan<br>2017 Analysis of Remediation using Polyurethane<br>Foam Injection Method at SMK Alor Limbat  | Main | January |
| 29. | Ahmad Deen Yamani Ahmad Damanhuri<br>2017 Establishing Unique Relationship between<br>Mobilized Minimum Friction Angle and<br>Axial Strain for Sedimentary Residual<br>Soil | Main | January |
| 30. | Zuhair Johari<br>2017 Establishing Unique Relationship between<br>Minimum Mobilized Friction Angle<br>against Axial Strain of Kampung Delek<br>Alluvial Soil                | Main | January |
| 31. | Muhamad Syahid Ismail<br>2017 Establishing Unique Relationship between<br>Minimum Mobilized Friction Angle<br>against Axial Strain of Puchong Ex-<br>mining Sand            | Main | January |

32. Nursuliana Azni Azhari

Main

June  
2018

Strength and Durability of Soil  
Stabilized  
With Geo-artificial Resin

(On going)

Afiq Syahmi Faridun Yusri	Unique Relationship between Minimum Mobilised Friction Angle Against Axial Strain for Muar Marine Clay	Main	January 2018
Farashazwan ie Noordin	Establishing Unique Relationship between Minimum Mobilised Friction Angle and Axial Strain For Granite Residual Soil at Cameron Highland	Main	January 2018
Fahrul Razi Mohamed Shukri	Consolidation of Natural Soil and Stabilized Soil using GeoFlexA	Main	January 2018
Amirrudin Ahmad	Analysis of Ground Remediation using PU Foam Injection at KM48, Kuala Lumpur - Karak Highway	Main	January 2018
Norlaila h Abdulla h	Strength and Durability of Peat Soil Stabilized with GeoFlexA and Various Percentage of Fly Ash	Main	June 2018
Mursheeda Fadzil	Compaction characteristics of Laterite Soil Modified with GeoFlexa and Fly Ash	Main	January 2019

### Awards

Soil Mechanics Best Dissertation  
Award entitled 'Analysis of  
Settlement of Trial Embankments  
on Malaysian Marine Clays Using  
PLAXIS'

University of Newcastle 2004  
upon Tyne, UK

Gold and silver for Computer  
program to predict inundation  
settlement

UiTM,  
Malaysia MTE,  
Malaysia

2009

IENA,  
Germany

Diamond, Gold and silver for Slope  
stability charts for rainfall induced  
failure

UiTM, Malaysia  
Geneva, Switzerland

2009

Gold and silver for Innovative wetting collapse design procedure	UiTM, Malaysia MTE, Malaysia	2009
Gold for Polycynate Injection System for Ground Repair	i-IDEA, Malaysia ITEX, Malaysia	2013 2014

### **Areas of Interest**

1. Constitutive and physical modeling of geotechnical problems.
2. Tunneling and trenchless technology.
3. Ground improvement techniques and repair on problematic ground.
4. Embankment dam analysis, design, construction and performance.
5. Geoforensics on collapse and settlement of geotechnical structures.

### **F. CONSULTANCY**

<b>Title</b>	<b>University/Industry</b>	<b>Date</b>
Geotechnical testing Using Pull Out 2016 Machine On Hexagonal Wire Mesh	United Glory Industries	Nov Sdn Bhd
Geotechnical Investigation For 2017 'Pembangunan Pusat Penilaian Hazard Altimas Sdn Bhd dan Teknologi Kawalan Untuk Institut Keselamatan Dan Kesihatan Negara (NIOSH), Geotechnical Investigation Of Cavity 2017 and Settlement At BESRAYA Highway, Jalan Kuchai Lama Section Due to complete Pipe Jacking Work	Kem Sumber Manusia WPA Partners Sdn Bhd	August Advance Nov
Rock Testing and Report 2016 Cadangan Membina dan Menyiapkan Sebuah Sekolah Menengah Kebangsaan Proton City yang Mengandungi 42 Bilik Darjah dan Kemudahan Berkaitan di atas Sebahagian HS (D) 17781 PT 19336 (Lot 18015) Mukim Hulu Bernam Timur,	Pertama Makmur Sdn Bhd	19 <sup>th</sup> July
Pembaikan Cerun Di Stesen 2016 Penyelidikan RRIM Similajau, Bintulu Sarawak	Lembaga Getah Malaysia	15 <sup>th</sup> July
Slope Rehabilitation Work At No 49, 2016 Jalan Bukit Hijau Bhd 26/24, Seksyen 26, Shah Alam, Selangor	DNP Consult Sdn	29 <sup>th</sup> Sept

Perunding Kejuruteraan Pembaikan Cerun Engineering Jalan Maarof, Bangsar, Kuala Lumpur	4 <sup>th</sup> Oct 2016 Di Bangunan No 54,	Struciv
Penghasilan Peta Bahaya dan Risiko 2015 Cerun Di Kawasan Ipoh, Perak dan Cameron Highlands, Pahang	Muda Consult Sdn Bhd	9 <sup>th</sup> Feb
Stability Assessment of New - Bulkhead, Wharf, Shoreline Protection, 2014 Skid Track and Relieve Platform	Alaf Pentawaris Sdn Bhd	1 <sup>st</sup> June 2014 31 <sup>st</sup> July
Ground Improvement and February Modification Works using Polyurethane 10 <sup>th</sup> Foam Grout Injection, Testing and 2014 Electrical Resistivity at Kempas KM 7.8 for PLUS Expressway Bhd	Progrout Injection Sdn Bhd	10 <sup>th</sup> 2014 - April
Geotechnical Assessment, Testing and August Injection Works For Pavement Defects at - 1 <sup>st</sup> FT14 Jalan Jerangau Jabor, Kuantan Pahang	Progrout Injection Sdn Bhd	1 <sup>st</sup> 2014 October 2014
Proposed Stabilization Works to Concrete Injection Sdn Bhd Both Bound, Yong Peng (U) Toll Plaza, North South Expressway	1 <sup>st</sup> September Pavement Defects at	Progrout 2014 - 1st November 2014
Geotechnical Assessment And Testing September of Injection Works for Pavement Defects 2 <sup>nd</sup> At KM 48.7 - 48.85 EB at Kuala Lumpur - Karak Highway (East Coast Expressway@Highway)	Progrout Injection Sdn Bhd	2 <sup>nd</sup> 2014 - December 2014
Geotechnical Assessment Report March of Pavement Rehabilitation at Penang - Bridge Approach for PLUS Expressway Bhd.	Progrout Injection Sdn Bhd	1 <sup>st</sup> 2013 1 <sup>st</sup> April 2013
Stability Assessment of Temporary April Platform Construction of New Bulkhead, Wharf, Shoreline Protection, Skid Track and Relieve Platform	Bandi Bina Sdn Bhd	2 <sup>nd</sup> 2013 - 16th June 2013
Vibration Monitoring Construction of	Bandi Bina Sdn Bhd	16 <sup>th</sup>





Skid Track and Relieve Platform 28<sup>th</sup> June

Detail Engineering Design Engineering, MTBE Petronas 30<sup>th</sup>  
Sept Procurement And Construction (EPC)  
2013 -

Of Soil Settlement at Area600 at 30<sup>th</sup> Oct  
MTBE Petronas Gebeng, Kuantan Pahang 2013

Soil exploration Engineering, Procurement MTBE  
Petronas 30<sup>th</sup> Sept And Construction (EPC)  
Of Soil Settlement 2013 -  
at Area 600 at MTBE Petronas Gebeng, 30<sup>th</sup> Oct  
Kuantan Pahang 2013

Proposed analysis and design of Aminity Diamond  
at Kangkar November reinforced earth slopes  
Pulai, Johor Sdn Bhd 2012

Geotechnical Forensics Assessment: Castmet Sdn Bhd  
12 Unit Kilang December Cadangan Mendirikan  
Berkembar 1 Tingkat dan 2012  
Pejabat 2 Tingkat di atas Lot  
2300, Mukim Semenyih,  
Daerah Hulu Langat, Selangor  
Darul Ehsan – Cantilever  
Retaining Wall Analysis

Geotechnical Assessment of Pavement Progrout Injection Sdn Bhd June  
2012 Rehabilitation at KLIA Toll Plaza for  
PLUS Expressway Bhd.  
Pavement Uplift Monitoring report of Progrout Injection Sdn Bhd June  
2012 Pavement Rehabilitation at Kota  
Damansara Toll Plaza For  
PLUS Expressway Bhd.

Pull Out Test Report of Flexible Progrout Injection Sdn Bhd June  
2012 Reinforced Earth Wall System for  
Eralllex Annular Wall System  
Sdn Bhd

Geotechnical Assessment of Pavement Progrout Injection Sdn Bhd  
Toll Plaza for October Rehabilitation at Sg Besi  
PLUS Expressway Bhd. 2012

Geotechnical Assessment Report of Progrout Injection Sdn Bhd  
at Sg December Pavement Rehabilitation  
2012

Kerayong Bridge Approach for  
MTD Prime Sdn Bhd

Analysis and design of soil nailing at Aminity Diamond Sdn Bhd  
August Taman Bukit Kempas  
and at Taman 2011  
Cendana, Pasir Gudang, Johor

Geotechnical Assessment Report: NMI & Associates Sdn Bhd June  
2011 Cadangan membina sebuah banglo  
4 tingkat di atas lot 64515,  
Jalan Jemeplang Kuning,  
Sierramas Resort Homes

Proposed Dam Stability and Nafta Sdn Bhd, Malaysia June  
2006 Monitoring for Jeddah East Lake,  
Saudi Arabia

Mackintosh Probe Test for the TECH BEMacG Sdn. Bhd. May  
2002 Design of Annex at Sri Budiman  
Hall, UiTM

Design of Bridges around the Kementerian Pembangunan Nov.  
2001 County of Pahang Luar Bandar, Pahang.

Soil Investigation Report on Teknik Lengkap Geotechnics May  
2001 Duyong Shallow Gas Study for Sdn. Bhd.

Design of Drainage System for DWI-Runding Sdn. Bhd. Dec  
2000 Housing Development on Bandar  
Meru Raya, Ipoh, Perak

Design and Analysis of Structural Jabatan Penjara Malaysia, Dec  
2000 Steelwork for Truss System Kedah.

## **G. PUBLICATIONS**

<b>Title Paper</b>	<b>Date</b>
Grouting using Polyurethane Foam Resin for Rapid Remediation Geotechnical Research	2017
Finite Element Analysis of Polyurethane Injection Pile Lambert Academic Publishing	2017

Polyurethane foam/resin for immediate solution to ground repair and modification 19th Southeast Asian Geotechnical Conference 2016	201 6
Performance Comparison between Polyurethane Injection Pile and Slab System against Lightweight Concrete as a Ground Improvement Using Finite Element Analysis Journal of Applied Science Research	201 6
Evaluation of performance for polyurethane injection pile system as a ground improvement using plaxis 2nd International Conference on Innovation and Technology for Sustainable Built Environment	201 6
Degradation of Curvi- Linear Shear Strength Envelope At Failure Due to Soaking 2016 International Conference in Environmental and Civil Engineering Technology	201 6
Shear Strength of Granitic Residual Soil Due to Different Period of Soaking 2016 International Conference in Environmental and Civil Engineering Technology	201 6
Alternative ground improvement solution with polyurethane foam/resin International Civil and Infrastructure Conference 2015	201 5
Polyurethane Foam in Soil Stabilization: A Compressibility Effect International Civil and Infrastructure Conference 2015	201 5
Strength Characteristics Of Polyurethane (PU) With Modified Sand Applied Mechanics and Materials	201 5
Simulation of Plate Bearing Test for Friction Root Ground Support System in Sand using PLAXIS Finite Element International Journal of Technical Research and Application Modelling wetting collapse behaviour in unsaturated granite residual soil	201 5  201 4
Unsaturated Soils: Research & Applications, 2014	
Prediction of stress strain response by rotational multiple yield surface framework for unsaturated granite residual soil Unsaturated Soils: Research & Applications, 2014	201 4
Environmental and Sustainable Technology Using Polyurethane Foam Annual Conference on Civil Engineering and Engineering 2014, Phuket,	201 4

## Thailand

An Analysis of User Satisfaction on Public Transport Terminal Based on Users Survey	2013
International Civil and Infrastructure Engineering Conference 2013 Rotational multiple yield surface framework and the prediction of stress-strain response for saturated and unsaturated soils	2011
Laboratory modelling: Settlement due to groundwater fluctuation in partially saturated soil	2011
The Compaction of Laterite Using Gyratory Compactor The 8th International Conference on Geotechnical and Transportation	2010
Slope stability analysis of an embankment using different constitutive models Regional Conference on Environmental and Earth Resources, Pahang, Malaysia.	2009
Soft soil behaviour due to embankment construction using different constitutive models Regional Conference on Environmental and Earth Resources, Pahang, Malaysia	2009
Slope stability charts for shallow rainfall induced slope failure 4th Asia Pacific Conference on Unsaturated Soil, Newcastle, Australia	2009
Effectiveness of preloading and prewetting technique in solving wetting collapse settlement 4th Asia Pacific Conference on Unsaturated Soil, Newcastle, Australia	2009
Establishing a unique relationship between minimum mobilised friction angle and axial strain for anisotropic soil settlement model 4th Asia Pacific Conference on Unsaturated Soil, Newcastle, Australia	2009
Evaluation of pore pressure during loading of soft remoulded clay International Seminar on Civil and Infrastructure Engineering 2008. (ISCIE'08)	2008
Understanding Settlement Induced by Effective Stress Decrease IEM Bulletin	2008
Physical modelling of deformation of Malaysian marine clay under embankment loading Seminar of Civil Enigneering Research SEPKA 2006, UTM, Skudai, Johor	2006

Modelling the Mechanism of Shallow Slope Failure Due to Rainfall Infiltration 2006  
International Seminar on Civil and Infrastructure Engineering

Comparison Between Finite Element Analysis and Geotechnical Centrifuge 2006  
International Seminar on Civil and Infrastructure Engineering

Finite Element Analysis of Trial Embankments Built on Malaysian Marine Clay 2006  
International Seminar on Civil and Infrastructure Engineering

Study evaluating the effectiveness of the BEL100 e-learning programme: 2006  
UiTM Shah Alam  
Institute of Research, Development and Commercialization, UiTM

## **ADDITIONAL ACTIVITIES**

**MY ACADEMIC ACTIVITIES 2018**  
**(DR ISMACAHYADI BAGUS MOHAMED JAIS: 189248)**

**SEMINAR/WORKSHOP**

<b>Appointment</b>	<b>Seminar/Workshop</b>	<b>Location</b>	<b>Cost</b>	<b>Date</b>
Participant	Seminar on the Urban Slope	NTU, Singapore	-	25 <sup>th</sup> January 2018
Participant	Workshop on Massive Open Online Courses (MOOC) 2018	FKAUiTM	-	18 <sup>th</sup> April 2018
Participant	CDIO: Engaging Student using Active and Experiential Learning Methods Through CDIO Framework for Engineering Education	FKAUiTM	-	25 <sup>th</sup> April 2018
Participant	Meeting Industry 4.0 – Aspirations Through Partnership in Technology	SIRIM Bhd	RM 100	26 <sup>th</sup> April 2018
Participant	Bengkel Penulisan Kertas Penyelidikan Siri 8	DATC, UiTM	-	23 <sup>rd</sup> – 25 <sup>th</sup> July 2018
Participant	Pair2Publish Workshop	FKAUiTM	-	24 <sup>th</sup> – 26 <sup>th</sup> September 2018

**BOOKS AND PAPERS PUBLISHED**

<b>Title</b>	<b>Journal/Publisher</b>	<b>Status</b>	<b>Date</b>
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The Stress Strain Behaviour Envelope For Granitic Residual Soil In Mobilised Shear Strength Perceptive	Journal Of Advanced Research In Fluid Mechanics And Thermal Sciences	Accepted	14 <sup>th</sup> June 2018
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Prediction Of Soil Anisotropic Stress-strain Behaviour Incorporating Shear Strength Using Improve Normalised Stress-strain Method	International Journal Of Integrated Engineering	Accepted	7 <sup>th</sup> May 2018
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### **BOOKS AND PAPERS PUBLISHED**

Mathematical Models For Stress-strain Curve Prediction-a Review	International Conference on Advances in Civil Engineering and Science Technology, UiTM, Penang	Presented	5 <sup>th</sup> October 2018
Compressibility Characteristics Of Sabak Bernam Marine Clay	International Conference on Innovative Technology, Engineering and Sciences 2018, iCITES 2018	Presented	6 <sup>th</sup> April 2018
Bamboo Leaf Ash As The Stabilizer For Soft Soil Treatment	4 <sup>th</sup> International Conference on Civil and Environmental Engineering for Sustainability (ICONCEES2017)	Presented	11 <sup>th</sup> April 2018
Shear Strength of Granitic Residual Soil in Saturated and Unsaturated Conditions	AIP Conference Proceedings 2020, 020003 (2018)	Accepted	5 <sup>th</sup> October 2018

### **JOURNAL REVIEWER**

<b>Title</b>	<b>Journal/ Publisher</b>	<b>Status</b>	<b>Date</b>
Concrete Coconut Shell Powder as Partial Replacement of Sand – Workability, Density and	Jurnal Teknologi Special Issue 2018	Reviewed	March 2018

Compressive Strength			
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## APPOINTMENTS

Appointment	Committee/Course/Programme	Level	Location	Date
Committee	Timetable committee	Faculty	FKA, UiTM	1/1/2018 - 30/9/2018

## APPOINTMENTS

Participant	Majlis Amanat Timbalan Naib Canselor (Akademik dan Antarabangsa) Dan Konferensi Akademik UiTM 2017	University	DATC, UiTM	29/1/2018
Setter	Bengkel Persediaan Kertas Soalan Peperiksaan (PKSP) Julai 2018	Faculty	FKA, UiTM	26/2/2018 - 1/3/2018
Vetter	Bengkel Persediaan Kertas Soalan Peperiksaan (PKSP) Julai 2018	Faculty	FKA, UiTM	26/2/2018 - 1/3/2018
Advisor	WIRASA 2018	Faculty	FKA, UiTM	1/3/2018 - 1/12/2019
Course Developer	Massive Open Online Courses (MOOC) 2018 – ECG575: Geotechnical Engineering	Faculty	FKA, UiTM	5/3/2018
Course Coordinator	ECG719: Geotechnical Numerical Modelling	Faculty	FKA, UiTM	24 <sup>th</sup> April 2018
Resource Person	ECG426: Soil Mechanics and ECG719: Geotechnical Numerical Modelling	Faculty	FKA, UiTM	24 <sup>th</sup> April 2018
Committee	Semakan Kurikulum Program Pasca Siswazah Fakulti Kejuruteraan Awam	Faculty	ILD Bandar Enstek	10/5/2018 - 11/5/2018
English Proof Reader	Bengkel Persediaan Kertas Soalan Peperiksaan	Faculty	FKA, UiTM	March 2018 - July 2020
Panel	Final Year Project II March – July 2018	Faculty	FKA, UiTM	23/5/2018

Panel	Final Year Project 1 March – July 2018	Faculty	FKA, UiTM	16/5/2018
Second Examiner	Final Examination EC220 March 2018 – July 2018	Faculty	FKA, UiTM	4/6/2018
Vetter	Bengkel Persediaan Kertas Soalan Peperiksaan (PKSP) Disember 2018	Faculty	FKA, UiTM	27/8/2018 – 30/8/2018
Expert	WG1 and WG2 for Revision of	National	SIRIM	1/1/2018 –

	MS2038: 2006			31/12/2018
Presenter	Pembentangan Pelaporan  Prestasi Entiti Kecemerlangan, Core Green Technology and Sustainable Development	University	IRMI, UiTM	3 <sup>rd</sup> January 2018

### RESEARCH GRANTS AWARDED

<b>Title</b>	<b>Responsibility</b>	<b>Agency</b>	<b>Amount (RM)</b>	<b>Date</b>
Unsaturated and Saturated Effective Stress- Shear Strength Interaction Unique Relationship For Malaysian Soils	Research Leader	MOHE	99,450.00	2nd November 2015 – 1 <sup>st</sup> October 2018
Alternative Rapid Ground Treatment Solution Using Polyurethane Prefabricated Flatbed	Research co- leader	CREaTE JKR	163,500.00	1st January 2017 – 31 <sup>st</sup> Dec 2018

### CONSULTANCY

<b>Title</b>	<b>Agency</b>	<b>Amount (RM)</b>	<b>Date</b>
Testing for Ground Treatment for Soil Settlement Remediation Works (Polygeo Foam Injection Method) at Bridge Approached, North Port to Klang Port for FT102	Roadcare (M) Sdn Bhd	8.680	19/10/2018

### MEMORANDUM OF UNDERSTANDING/RESEARCH COLLABORATION

<b>Title</b>	<b>Type</b>	<b>Agency</b>	<b>Date</b>
Research Collaboration between JKR Cawangan Geoteknik on Alternative Rapid Ground Treatment Solution Using Polyurethane Prefabricated	Research and Development Collaboration	JKR Cawangan Geoteknik	October 2017 – September 2019

Flatbed			
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**PROFESSIONAL ATTACHMENT**

<b>Appointment</b>	<b>Organization</b>	<b>Location</b>	<b>Duration</b>	<b>Date</b>
Professional Trainee	Cawangan Kejuruteraan Geoteknik, Jabatan Kerja Raya Malaysia	Menara PJD, Kuala Lumpur	1 Year	1/10/2018 – 30/9/2019

### **CONFERENCES/EXHIBITION**

<b>Appointment</b>	<b>Programme/Invention</b>	<b>Award</b>	<b>Level</b>	<b>Location</b>	<b>Date</b>
Member	Seminar on Challenges in Design and Construction on Soft Ground	-	National	Sasana Kijang, Bank Negara Malaysia	15 <sup>th</sup> – 16 <sup>th</sup> August 2018
Member	JKR Research Colloquium 2018	-	National	CREaTE, Malacca	28 <sup>th</sup> – 29 <sup>th</sup> August 2018
Head	Invention Innovation Design Exhibition 2018 (IIDEX 2018)/ Polyurethane Flatbed: An Innovative Solution for Ground Settlement of Structures and Roads	Gold	University	DATC, UiTM	24 <sup>th</sup> – 28 <sup>th</sup> September 2017

### **STUDENTS AND SOCIAL OBLIGATIONS**

<b>Activity</b>	<b>Location</b>	<b>Date</b>
Permohonan Latihan Program WIRASA 2018	FKA, UiTM	22/3/2018 – 21/4/2018
Pre-graduation Dinner EC220 Semester Mac 2018	Intekma Resort and Convention Centre Shah Alam	13/5/2018
Kejohanan Bolasepak Liga Timbalan Naib Canselor dan Liga Pembangunan	Padang Setia Alam, Shah Alam	March – July 2018



Pelajar		
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**MY ACADEMIC ACTIVITIES 2017**  
**(DR ISMACAHYADI BAGUS MOHAMED JAIS: 189248)**

**SEMINAR/WORKSHOP**

<b>Appointment</b>	<b>Seminar/Workshop</b>	<b>Location</b>	<b>Cost</b>	<b>Date</b>
Speaker	Introductory Training Course using PLAXIS Finite Element Code For Practising Engineers	OPUS Consultants Sdn Bhd	RM 8,000	17th – 18th May 18th – 19th Jun 2017
Speaker	Smart Civil Engineering Education for Lecturers from UNNES, Indonesia	FKAUiTM	-	19th April 2017
Advisory Committee	One Day Seminar on Biogeotechnics by Assoc Prof Dr Leon Andreas Van Paassen	FKAUiTM	RM 1,200	20th July 2017
Advisory Committee	One Day Seminar on Landslide and Engineering Mechanics of Soil Nailing by Assoc Prof Dr Mohd Jamaludin Md Noor	FKAUiTM	RM 4,400	27th July 2017
Advisory Committee	One Day Seminar on The Teaching of Soil Mechanics Prof Laurence Daniel Wesley	FKAUiTM	RM 4,500	28th July 2017

**BOOKS AND PAPERS PUBLISHED**

<b>Title</b>	<b>Journal/Publisher</b>	<b>Status</b>	<b>Date</b>
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Grouting using Polyurethane Foam Resin for Rapid Remediation	Geotechnical Research	Accepted	16th May 2017
Finite Element Analysis Of Polyurethane Injection Pile	Lambert Academic Publishing	Published	4th April 2017

## APPOINTMENTS

Appointment	Committee/Course/Programme	Level	Location	Date
Head	Timetable committee	Faculty	FKA, UiTM	1/1/2017 - 21/9/2017

## APPOINTMENTS

Committee	Space Management Committee	Faculty	FKA, UiTM	1/11/2016 - 21/9/2017
Committee	Consultative Staff Student Committee	Faculty	FKA, UiTM	1/1/2017 - 31/5/2017
Resource Person	ECG426: Soil Mechanics	Faculty	FKA, UiTM	1/3/2017 - 1/1/2018
Advisor	Penasihat Kejuruteraan Awam (PERKA) UiTM Shah Alam	Faculty	FKA, UiTM	1/5/2017 - 1/1/2018
Advisor	Organizer WIRASA 2017 – Band	University	DATC, UiTM	21/4/2017 - 22/4/2017
Expert	WG1 and WG2 for Revision of MS2038: 2006	National	SIRIM	1/1/2017 - 31/12/2017
Panel	Pelunjuran Pensyarah Fakulti Kejuruteraan Awam	Faculty	FKA, UiTM	20/10/2016 - 1/10/2017
Vetter	Bengkel Persediaan Kertas Soalan Peperiksaan (PKSP) Januari 2018	Faculty	FKA, UiTM	27/2/2017 - 2/3/2017
Participant	Majlis Amanat Timbalan Naib Canselor (Akademik dan Antarabangsa) Dan Konferensi Akademik UiTM	University	DATC, UiTM	9/3/2017

	2017			
Participant	A Day with Public Private Research Network Kementerian Pengajian Tinggi	University	Annex UiTM	22/5/2017
Vetter	Bengkel Persediaan Kertas Soalan Peperiksaan (PKSP) Januari 2018	Faculty	FKA, UiTM	5/9/2017 - 8/9/2017
Vetter	Bengkel Penyediaan Kertas Soalan Peperiksaan Akhir Diploma (EC110)	Faculty	FKA, UiTM, Pasir Gudang	2/10/2017 - 5/10/2017
Participant	Bengkel Penelitian Maklumat Pengoptimuman Pensyarah Fakulti Kejuruteraan Awam	Faculty	INTEKMA Resort and Convention	30/10/2017

Exhibitor	Program hari Entiti Kecemerlangan UiTM	Universiti	DATC, UiTM	13/11/2017
Committee	Taklimat Core GSTD	Universiti	FKA, UiTM	15/11/2017
Committee	Semakan Kurikulum Program Pasca Siswazah Fakulti Kejuruteraan Awam	Faculty	INTEKMA Resort and Convention	15/11/2017 - 17/11/2017

### APPOINTMENTS

Expert	Bengkel Jawatankuasa Kecil Penyediaan Seksyen Baru Dalam Spesifikasi Piawai Jalan (SPJ) – Section 18: Soil Stabilization	National	Cawangan Jalan JKR	October 2017
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### RESEARCH GRANTS AWARDED

<b>Title</b>	<b>Responsibility</b>	<b>Agency</b>	<b>Amount (RM)</b>	<b>Date</b>
Unsaturated and Saturated Effective Stress- Shear Strength Interaction Unique Relationship For Malaysian Soils	Research Leader	MOHE	99,450.00	2nd November 2015 – 1 <sup>st</sup> October 2018
Alternative Rapid Ground Treatment Solution Using Polyurethane Prefabricated Flatbed	Research co- leader	CREaTE JKR	163,500.00	1st January 2017 – 31 <sup>st</sup> Dec 2018

### CONSULTANCY

<b>Title</b>	<b>Agency</b>	<b>Amount (RM)</b>	<b>Date</b>
Penghasilan Peta Bahaya & Risiko Cerun Di Kawasan Ipoh, Perak dan Cameron Highlands, Pahang	Muda Consult Sdn Bhd	100,000	Feb 2017
Slope Rehabilitation Work At No 49, Jalan Bukit Hijau 26/24, Seksyen 26, Shah Alam, Selangor	DnP Consult Sdn Bhd	60,000	From Okt 2016

Pembaikan Cerun Di Stesen Penyelidikan RRIM Similajau, Bintulu, Sarawak	Lembaga Getah Malaysia	45,000	2017
Geotechnical testing Using Pull Out Machine On Hexagonal Wire Mesh	United Glory Industries Sdn	12,000	From Nov 2016

	Bhd		
Geotechnical Investigation For 'Pembangunan Pusat Penilaian Hazard dan Teknologi Kawalan Untuk Institut Keselamatan Dan Kesihatan Negara (NIOSH), Kementerian Sumber Manusia	Advance Altimas Sdn Bhd	5,080	August 2017

### CONSULTANCY

Geotechnical Investigation Of Cavity and Settlement At BESRAYA Highway, Jalan Kuchai Lama Section Due to complete Pipe Jacking Work	WPA Partners Sdn Bhd	23,850	Nov 2017
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### MEMORANDUM OF UNDERSTANDING/RESEARCH COLLABORATION

<b>Titl e</b>	<b>Typ e</b>	<b>Agency</b>	<b>Date</b>
MoU between IIESM, UiTM and Progrout Injection Sdn Bhd	Research and Developme nt Collaboration	Progrout Injection Sdn Bhd	February 2013 (5 years)
Research Collaboration between JKR Cawangan Geoteknik on Alternative Rapid Ground Treatment Solution Using Polyurethane Prefabricated Flatbed	Research and Developme nt Collaboratio n	JKR Cawangan Geoteknik	March 2017

### CONFERENCES/EXHIBITION

<b>Appointme nt</b>	<b>Programme/Inven tion</b>	<b>Awar d</b>	<b>Level</b>	<b>Location</b>	<b>Date</b>
Member	Seoul International Invention Fair 2017/ An Innovative Physical Behaviour Modelling of PU Artificial Roots in Ground Improvement	Silver	Internation al	COEX, Seoul, Korea	Novemb er 30th - Decembe r 3rd 2017



Member	Invention Innovation Design Exhibition 2017 (IIDEX 2017)/ An Innovative Physical Behaviour Modelling of PU Artificial Roots	Gold	University	DATC, UiTM	25-29 September 2017
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	in Ground Improvement				
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