



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

CURRICULUM VITAE



PERSONAL DETAILS

Name : Prof. Dr. Khairul Anuar bin Kassim
Gender : Male
Date of Birth : 3th. September 1962
Nationality : Malaysian
Marital Status : Married
Permanent Address : No:21, Jalan Puncak Bayu 1,
Taman Pulai Bayu, Mont Callista, 81300 Skudai, Johor, Malaysia.
Correspondent Address : Faculty of Civil Engineering
Universiti Teknologi Malaysia
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E-mail : kanuar@utm.my or kassimkhairul@yahoo.com
Expertise : **Geotechnical Engineering (Soil Stabilisation)**

ACADEMIC QUALIFICATIONS

Year 1998 : Ph.D. (Geotechnical Engineering)
University of Newcastle upon Tyne, United Kingdom
Year 1991 : M.Sc. (Geotechnical Engineering)
Universiti of Newcastle upon Tyne, United Kingdom
Year 1986 : B. Eng. in Civil Engineering
Middlesex Polytechnic, London, United Kingdom
Year 1983 : Diploma in Civil engineering
Universiti Teknologi Malaysia, Kuala Lumpur

AWARD AND HONORS RECEIVED

- i) 2000- Bronze Medal Award, Industrial Art & Technology Exhibition, INATEX .
- ii) **2000 - Silver Medal Award**, International Invention, Innovation, Industrial Design & Technology Exhibition, I.TEX 2000.
- iii) 2000 - **Faculty Research Award**, Quality Award Ceremony, Faculty of Civil Engineering.
- iv) 2001 - **Gold Medal Award**, 29th International Exhibition of Inventions, new Techniques and Products, Geneva, Switzerland, 2001, (Constant Rate of Strain Consolidation Equipment for Stabilized Soil).
- v) 2000 - **Excellent Service Award**, Universiti Teknologi Malaysia.
- vi) 2001 - **Merit Award**, Construction, Innovation and Invention Award 2001, CIDB.
- vii) 2001 - **Special Award**, Innovation and Invention, Institution of Highway and Transportation (IHT).
- viii) 2002 - **University Research Award (Individual)**, 2002, Universiti Teknologi Malaysia
- ix) 2004 - **Excellent Service Award**, Universiti Teknologi Malaysia.
- x) 2006 - **Gold Medal Award**, Malaysian Technology Expo 2006.(MTE 06)PWTC, KL.
- xi) 2006 - **Gold Medal Award**, 34th International Exhibition of Inventions, new Techniques and Products, Geneva, Switzerland, 2006, (Rapid Consolidation Equipment for Clayey Soils, RACE).
- xii) 2011 - Anugerah Jasa Bakti , Universiti Teknologi Malaysia.
- xiii) 2011 - Silver Medal INATEX, (Soil Hook System), Universiti Teknologi Malaysia.
- xiv) 2011 - **Excellent Service Award**, Universiti Teknologi Malaysia.
- xv) 2012 - **Silver Medal Award**, International Invention, Innovation, Industrial Design & Technology Exhibition, I.TEX 2012, (Soil Hook System)
- xvi) 2012 - Bronze Medal INATEX 2012, (Mobile Pluviator), Universiti Teknologi Malaysia.
- xvii) Nov. 2012 - **Special Award** – Excellent Researcher, Construction Research Alliance, Universiti Teknologi Malaysia.
- xviii) 2012 - Indexs Journal Paper Award, (Construction), Citra Karisma 2012, Universiti Teknologi Malaysia.

- xix) 2012 - **Telford Premium Award**, Institution of Civil Engineers, London, United Kingdom. (Electro-kinetic Treatment on a Tropical Soil).
- xx) 2013 - **Silver Medal Award**, International Invention, Innovation, Industrial Design & Technology Exhibition, I.TEX 2013, (Mobile Pluviator).

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

- i. Graduate Member, Board of Engineers Malaysia (BEM), 1990
- ii. Graduate member, Institution Of Engineers Malaysia (IEM) No: 15152, 1994
- iii. Member, Electron Microscopy Society Malaysia, July 2000
- iv. Member, Malaysian Invention and Design Society (MINDS), 2000
- v. Member, Malaysian Association of Research Scientist (MARS), 2006
- vi. Member, South East Asia Geotechnical Society (SEAGS), August 2006, a(2006MA111)
- vii. Group Member, International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)
- viii. Technical Committee Member, World Road Association, PIARC, April 2008- 2013
- ix. Committee Member (Southern Region Representative) Malaysian Geotechnical Society, MGS, (MGS27/13)

ADMINISTRATIVE EXPERIENCE

Faculty Level

- i) 15.12.1987 to 2.10.1991 - **Assistant Lecturer A**, Department of Geotechnic & Transportation, Faculty of Civil Engineering, Universiti Teknologi Malaysia.
- ii) 3.10.1991 to 2.9.2001 - **Lecturer**, Department of Geotechnic & Transportation, Faculty of Civil Engineering, Universiti Teknologi Malaysia.
- iii) 3.9.2001 to 11. 3. 2007 - **Assoc. Professor**, Department of Geotechnic & Transportation , Faculty of Civil Engineering, Universiti Teknologi Malaysia.
- iv) 12.Mac.2007 to Feb 2016 - **Professor VK07**, Faculty of Civil Engineering, Universiti Teknologi Malaysia.
- v) 1st Jun 2002 to 31 Mei 2004 - **Head Department** Geotechnics & Transportation ,Faculty of Civil Eng.,Universiti Teknologi Malaysia
- vi) 1st Jun 2004 to 31 Mei 2006 - **Head Department (2nd Term)**,Geotechnics & Transportation, Faculty of Civil Eng.Universiti Teknologi Malaysia.
- vii) 1st Jun 2006 to 31Mei 2007 - **Head Department (3rd Term)** Geotechnics & Transportation Faculty of Civil Eng.,Universiti Teknologi Malaysia.
- viii) 1st Jun 2007 to 31 Mei 2009 - **Head Department (4th Term)** , Geotechnics & Transportation Faculty of Civil Eng.,Universiti Teknologi Malaysia .
- ix) 1st Jun 2009 to 31 Mei 2010 - **Head Department (5th Term)** , Geotechnics & Transportation Faculty of Civil Eng.,Universiti Teknologi Malaysia.
- x) 1st April 2010 to 30 Sept.2011 - **Deputy Dean, Faculty of Civil Engineering**,Universiti Teknologi Malaysia.
- xi) Feb.2016 to date - **Professor VK06**, Faculty of Civil Engineering,Universiti Teknologi Malaysia.

University Level

- i) 1st Oct. 2011 to 31 Jan 2015 - **Deputy Director Research Management Centre** ,Universiti Teknologi Malaysia
- ii) 1 Feb 2015 to 31 Jan 2017 , **Dean, Faculty of Civil Engineering**, Universiti Teknologi Malaysia

OTHER EXPERIENCES

NATIONAL COMMITTEE

1. Working Group Committee CREAM/CIDB, Guidelines for Construction on Peat Soil in Malaysia.(Mac 2014 – Feb 2015)
2. Panel Evaluator for FRGS Grant, Ministry of Education, (2013 – to date)
3. Panel Evaluator and Monitoring for Knowledge Transfer Program (KTP), Ministry of Education, (2012 to date)
4. Southern Region Representative, Malaysian Geotechnical Society, MGS, (MGS27/13), (2013 to date)

INTERNATIONAL APPOINTMENT/COMMITTEE

1. Technical Committee Member ,World Road Association, Permanent International Association of Road Congress, PIARC, April 2008- 2013, and 2013 -2015
2. **Chairman** International Conference on Geotechnical Engineering, GEOTROPIKA 2008
3. External Advisory Board for International Conference on Sustainable Construction (ICSC), 1-4 December 2014
4. Committee member for International Conference on Geotechnical Engineering and Highway Engineering, GEOTROPIKA 2010.
5. Reviewer for Canadian Geotechnical Journal, " New method to determine proper strain rate for constant rate of strain consolidation tests: March 2011, File No.: 10-234
6. Reviewer for Canadian Geotechnical Journal, "*Behaviour of weak soils reinforced with floating soil-cement columns formed by the deep mixing method*", 29/8/2013 – 9/10/2013

7. Reviewer for Geomechanics and Engineering, An International Journal, “*Experimental and numerical Investigation of Arching Effect in sand using Modified Mohr Coulomb*”, 8/7/2014- 7/9/2014

JOURNAL ASSESSOR (NATIONAL)

1. Behaviour of Loadbearing Interlocking Hollow Cement Block Masonry Prisms Under Axial Compression, Jurnal KUiTTHO, Jan 2003
2. Kesan Tindakan Daya Sisi Terhadap Jarak Sambungan Turapan Blok Konkrit, Jurnal Teknikal dan Kajian Sosial (JUTEKS), Jan 2003.
3. Reinforcement Mechanics of Rock Bolt - A Laboratory Investigation. Jurnal Kejuruteraan Awam, Dis. 2003.
4. A Simulation Study of Slope Stability Affected by Construction of New Buildings at Universiti Teknologi Malaysia, Skudai, Jurnal Kejuruteraan Awam, Jan 2003
5. Infiltration Characteristics of Unsaturated Residual Soils of Various Weathering Grades, Jurnal Teknologi , Universiti Teknologi Malaysia, Nov. 2004
6. An Investigation into Surface Motion at KUiTTHO. Jurnal Teknologi, Universiti Teknologi Malaysia, Jan. 2005.
7. Seismic Hazard Assessment for Peninsular Malaysia Using Gumbel Distribution Method, Jurnal Teknologi , Universiti Teknologi Malaysia Mac 2005
8. Impact Load Theory- New Breakthrough in Pile Driving and Compability Study, Jurnal Teknologi , Universiti Teknologi Malaysia Julai 2007
9. Numerical Simulation of Infiltration Through Unsaturated Layered Soil Column, Jurnal Teknologi , Universiti Teknologi Malaysia Julai 2007
10. Long Term Compression Behaviour of Fibrous Peat
Jurnal Teknologi , Universiti Teknologi Malaysia Julai 2007
11. New method to determine proper strain rate for constant rate of strain consolidation tests:
Canadian Geotechnical Journal: March 2011, File No.: 10-234
12. Bio-mediated Soil Improvement under Various Concentrations of Cementation Reagent:
International Conference on Civil, Architectural and Hydraulic Engineering (CAHE 2012)
13. Shear Strength Parameters of Soils Taken from Slope Failures along Two Roads in Penang and at Kedah - Perak Border: JURNAL ESTEEM 8 NO. 1(2012)

Industrial experiences

- 1) **Technical Assistance** (Supervision of Road Construction), Public Work Department, Baling, Kedah. 3 September 1983 - 15 September 1984.
- 2) **Assistance Project Engineer**, Gabungan Kontraktor Melayu Berhad (Supervision of Industrial Training Institute Campus, Construction in Jitra Kedah) ,September 1986-October 1987

CONSULTANCY

- 1) Site Investigation for the Proposed Dyke Containing Ethelene Tank, Pasir Gudang(Research and Consultancy Unit, UTM) , Johor Site Appraisal and Soil Investigation, 1992.
- 2) Soil Investigation Works at Proposed Bukit Saujana Condominium, Johor Bahru, Johor, Site Appraisal and Soil Investigation(Research and Consultancy Unit, UTM), Aug. 1993- Sept1993.
- 3) Drainage Master Plan Study and Detailed Design of Tanjong Agas Industrial Zone and Part of Kesang, Site investigation & Geotechnical design,Jan 1992 - March1992.
- 4) Program Pemantauan Kualiti Air Bawah Tanah Bagi Kawasan PTD 676 di Tanjung Buai Mukim Johor Lama, Kota Tinggi, Johor Soil chemical testing& stabilisation technique, Jun 1999 – Ogos1999.
- 5) Hydrocarbon Contamination, Paka, Terengganu, Monitoring well and Soil investigation, Julai 2000 - Sept2000.
- 6) Slope Stability at FKM, UTM Skudai, Slope Rectification, Ogos 2000 – Sept 2000.
- 7) Slope Stability Task Force, UTM Skudai, Slope Mitigation around UTM, 25 Ogos 2001.
- 8) Independent consultant for Jayaplus Bakti Sdn. Bhd. Study the safety and Stability of the existing Structure and Assesment of the remedial work, 3/8/2005 – 2/9/2005.
- 9) Independent consultant for Julung Cipta Sdn. Bhd , Study on the Foundation Design for “Pangsapuri Mampu Milik” Kampung Setinggi Jalan Tebrau, Johor Bahru , 15/1/2006 – 15/2/2006.
- 10) Appraisal on the integrity of Precast Micro Injection Piles at Lot 945, Mukim Pulau, Daerah Johor Bahru (96 units of 2 storey terrace house type B). 4/8/2006 – 2/9/2006.
- 11) Investigation on the slope problems at Institute Ibnu Sina, UTM, 15/4/2008 – 15/5/2008.

- 12) Cut Slope Problems at Taman Perindustrian Plentong, Mukim Plentong, Majlis Perbandaran Johor Bahru Tengah, Mac 2009 – Sept 2009.
- 13) The effect of soil liquefaction on the Second Penang Bridge, July 2009 to August 2009.

RESEARCH ACTIVITIES

RESEARCH PROJECT UNDERTAKEN

International Level

- 1) “The Geotechnical Properties of Lime and ash Stabilised Cohesive Soils and their Use in Design” (UTM-SLAB), University of Newcastle upon Tyne, Oct 1994 – Mei 1998
- 2) The Effectiveness of Lime Column in reducing the settlement of soft Clay Subjected to Wide Spread Load,(UTM – SLAB),University of Newcastle upon Tyne ,Oct 1990 – Sept. 1991

National Level

- 3) Project Leader, Keberkesanan Tiang Tanah Terstabil Sebagai Satu Kaedah Penstabilan Tanah dan Asas Struktur Ringan Research Management Centre, UTM Vot 61622, RM9570.00, July 1994- 1996.
- 4) Project leader, Lime Stabilisation for Marginal Subgrades as a Capping Layer,Research Management Centre, UTM Vot 71382, RM16,000.00 , Jan 1999- Jun 2000.
- 5) Project Leader, Modification of Malaysian Cohesive Soils with Lime, Research Management Centre, UTM Vot71394, RM20,000.00 Jan 1999- Dis 1999
- 6) Researcher, Direct Shear on Lateritic Soils, Research Management Centre, UTM Vot 71413, RM18,000.00 January 1999-to Dis 2000
- 7) Project Leader, Development of Stabilisation Techniques for Contaminated Soils IRPA, Vot 72277, RM135,850.00, Jan 2000- Dis 2001.
- 8) Researcher, Improvement of Soft Saturated Clay Using Electrokinetic Dewatering and Hardening
- 9) Research Management Centre, UTM Vot 71375, RM12,000.00 , Jan 1999- Dis 1999.
- 10) Project Leader, Stabilisation of Heavy Metals in Clayey Soil with Lime, Research Management Centre, UTM Vot 71574, RM20,000.00) ,Jan 2000- Dis 2000.

- 11) Project Leader, Development of Rapid Consolidation equipment for Cohrsive Soils, IRPA, Vot No: 74110, RM 170,000, Nov. 2002 – Oct 2004
- 12) Project Leader, Engineering Properties of Weathered Granites for Excavation Purpose, IRPA, Vot 74219, RM 188,355 ,Dis 2003 – Nov. 2006
- 13) Researcher, Combining Design Methodologies for the Development of a Practical and Effective Approach in Erosion Control System, IRPA Vot 74179, RM 266,000.00 April 2003 – March 2005
- 14) (Researcher),An Evaluation on Fundamental Engineering Properties of Fluid – modified Clayey Soils, RMC, RM 38500.00 Vot: 75105 Mei 2004 – April 2005.
- 15) (Researcher)Geotechnical Properties of Reconstituted Residual Soil, RMC, RM 36500.00 , Vot 75134,Oct 2004 – Sept 2005.
- 16) (Researcher),Study of Compressibility Characteristics of Peat Soil using large Strain Consolidometer, RMC, RM 43500.00, Vot 75737 Oct 2004 – Sept 2005
- 17) (Project Leader)The Nanostructure Study on The Mechanism of Lime Stabilised Soil. MOHE, RM 30,000, Vot 78011, Jan 2007 – Dis 2008
- 18) The effect of catalyst on soil stabilization by application of lime.MOHE, RM 28,500, Vot 78104, (Project Leader), Feb 2007 – Feb. 2009
- 19) (Project member, Researcher), Characteristics of Coal Ash in Malaysia.MOHE, RM 100,000, Vot 78220, Sept 2007 – Ogos. 2009
- 20) Project Leader, Effect of Blended Zeolite on the Microstructure and Strength of tabilised Organic Soil, FRGS, RM 48,000.00, Vot 78558,1 April 2010 – 31 March 2012.
- 21) Project Leader, THE PERFORMANCE OF SOFT MARINE CLAY IN MALAYSIA USING GEOTEXTILE ENCAPSULATE LIME COLUMN.Research University Grant (RUG) , RM 140,000. Jan 2011 to Dec 2012,.
- 22) UPLIFT RESPONSE OF SYMMETRICAL HORIZONTAL ANCHOR PLATE INTO GRID-FIXED REINFORCED (GFR) COHESIONLESS SOIL, Research University Grant (RUG) , RM 50,000. Jan 2011 to Dec 2011, Researcher
- 23) Project Leader, Enhancement of peat soil as a landfill liner material, Research University Grant (RUG), RM 40,000. April 2011 to Jan 2013,
- 24) Project Leader, New Approach in Soil Improvement Using Expanding Piers Technique. Exploratory Research Grant, MOHE, RM 50,000, Jun 2012 – Mei 2014,
- 25) Project Leader, Bio-Mediated Soil Stabilization, E science Fund, MOSTI, RM 196,500.00, Nov 2012 – Oct 2014.

- 26) Project Leader, Irregular Shape Anchors in Cohesiveless Soils, , Research University Grant (RUG), RM 127,350. Dis 2012 to Dis 2014,
- 27) Researcher/member, DEVELOPMENT OF A PRELIMINARY DESIGN CHART FOR PRACTICAL USE FOR THE DEEP MIXING METHOD. E science Fund, MOSTI, RM 146,000, Oct 2012 – Sept 2014,
- 28) Researcher/member, SETTLEMENT BEHAVIOUR OF SOFT SOIL REINFORCED BY SOIL CEMENT COLUMNS FORMED BY THE DEEP MIXING METHOD, Research University Grant (RUG), RM 35,000, Mei 2012 – Jul 2013.
- 29) Researcher/member, FUNDAMENTAL WORKS ON EFFECT OF PILE-SOIL INTERACTION USING LOW STRAIN PILE INTEGRITY TEST, Fundamental Research Grant, MOHE, RM 90,080, April 2012 – Mac 2014.
- 30) Researcher/member, Uplift Response of Symmetrical Horizontal Anchor Plate into Grid-Fixed Reinforced (GFR) Cohesion less Soil, April 2011 – Jul 2013. , Research University Grant (RUG), RM 40,000.
- 31) Researcher/member, MICRO-STRUCTURAL AND STRENGTH PROPERTIES OF LATERITIC SOIL STABILIZED WITH WASTE TYRE CRUMBS, Mei 2012 – April 2013, Research University Grant (RUG), RM 35,000.
- 32) Project Leader, BEHAVIOR OF PILES IN LAYERED SOIL WITH DIFFERENT DENSITY, Research University Grant (RUG), RM 88,000, 1 April 2014 – 31 March 2016.

PATENT GRANTED / FILING

- 1) Constant Rate Strain Consolidation Test Equipment for measuring stiffness of Stabilised Soils. (PI 2006 4084), 5 Sept 2006 (Filing)
Granted: MY-143192-A: 31 March 2011
- 2) Rapid Consolidation Equipment (RACE) for Cohesive Soils (PI 2008 4513), 11 Nov. 2008
- 3) A soil hook system in seawall, PI 2010 002346, 2010
- 4) Retaining wall and soil hook system, PI 2010 002567, 2010

TEACHING ACTIVITIES

Semester	Sem	Subject Code	Subject	Credit Hour	Total
From 1998 to 2014 (2 sem per year)	34 sem	(SAA 4733, SAM 5733)- MAW1733, MAB7033 MAJ 1033	Advanced Foundation Engineering	3	102
From 1999 to 2003 (1sem per year)	5 sem	MAW 1773	Geotechnical Modelling & Instrumentation Techniques	3	15
From 2004 to 2008 (1 sem per year)	5 sem	MAB 7023	Advanced Geotechnical Analysis & Design	3	15
2001 (1sem)	1 sem	MAW 1743 MAB 7043	Dynamics of Soil and Foundation	3	3
From 1998 to 1999, 2001 to 2002	4 sem	MAW1713, MAB 7013	Advanced Soil Properties and Behaviour	3	12
1999-1 2000-1 2000-2	3 sem	SAA 4723	Advanced Geotechnics	3	9
1998-1,1998-2 1999-1,1999-2 2000-1,2001-1 2001-2,2002-1 2002-2,2003-1 2003-2,2004-1 2007-1	13 sem	SAW 4713, SAA 4743	Geotechnics	3	39

SUPERVISION

PhD Students

Year	No.	Name	Status	Title	Roles of Supervision
2003	1	Baba Musta	Graduated : Mei 2003	Effect of leaching on lime stabilized contaminated soil and mining waste, Graduated : Mei 2003	Main Supervisor
2004	2	Kamarudin Hj Ahmad	Graduated : April 2004.	Improvement of A Tropical Residual Soil by Electrokinetic Process	Main Supervisor
2007	3	Edy Tonnizam bin Mohamad	Graduated : Mac 2007	Engineering Properties of weathered granite for excavation purposes	Main Supervisor
2009	4	Amin Eisazadeh Otaghsaraei:	Graduated : August 2009.	Physico - Chemical properties of Stabilised Soil:	Main Supervisor
2010	5	Muhardi	Graduated : Mac 2010	Engineering Properties of PFA and its Application for Embankment Construction.	Co-Supervisor
2013	6	Hamed Niroumand:	Graduated : Jan 2013	UPLIFT RESPONSE OF SYMMETRICAL HORIZONTAL ANCHOR PLATE INTO GRID-FIXED REINFORCED(GFR) COHESION LESS SOIL	Main Supervisor
	7	Ali Arefnia	Graduated : Sept 2014	Effect of Shred Tire on the soil Properties as fill material behind retaining wall.	Main Supervisor
	8	Harnedi Maizir:: Status :	Graduated Feb 2015	INTELLIGENT PREDICTION ON AXIAL BEARING OF SINGLE PILE BASED ON PILE DRIVING	Main Supervisor

				ANALYZER DATA	
	9	Khitam AbdulHussein Saeed	Graduated Jun 2014	: Physico-Chemical behavior of Contaminated soil stabilized with lime.	Main Supervisor
	10	Mahdy Khari	Graduated Feb 2014	DYNAMIC STRUCTURE OF THE SOIL DEFORMATION MODELING:	Main Supervisor
	11	Felix Ling Ngee Leh	Graduated Dis 2015	A STUDY ON ZEOLITE AS CATALYST IN LIME STABILISATION FOR ORGANIC SOILS	Main Supervisor
	12	Chong Siaw Yah	Graduated Feb 2015	THE IMPROVEMENT OF SOFT MARINE CLAY IN MALAYSIA USING GEOSYNTHETIC ENCAPSULATED LIME COLUMN	Main Supervisor
	13	Payman Alimohammadi	Viva on 15/10 2014	New Approach in Soil Improvement Using Expanding Piers Technique:	Main Supervisor
	14	Sayyed Yaghoub Zolfeghari Far	Graduated April 2015	Perfoemance of Unpaved laterite Road Treated with Chemical Additives and Waste Tire	Main Supervisor
	15	Mehdi Raftari	Graduated Dis 2015	Settlement Behaviour of Soft Soil Stabilised with Soil-Cement Columns Using Constant Rate of Strain Method	Main Supervisor
	16	Kenny Tiong Ping Chiet	Graduated Oct 2016	BIOMEDIATED SOIL IMPROVEMENT	Main Supervisor
	17	Osman El Husain Mohamed Idris	Graduated Oct 2016	Effect of Pile- Soil Interaction using low strain pile integrity test:	Co-Supervisor

MSc. Students (Research)

Name of Student	Year Graduated	Status of supervision	Remarks
1) Kok Kai Chern	Master 2000	Main supervisor	Graduated 2000
2) Lam Chee Siang	Master 2006	Main supervisor	Graduated 2006
3) Mustafa Kamal Shamshudin	Master 2004	Main supervisor	Graduated 5 Jul 2004
4) Hamed Niroumand	Master 2010	Main supervisor	Graduated August 2010
5) <u>Fatimah Syafinaz bt Ahmad</u>	Master 2005	Co supervisor	Graduated 7 Mei 2005
6) <u>Ong Heng Yau</u>	Master 2006	Co supervisor	Graduated 2006

POSTGRADUATE EXAMINATION /VIVA

INTERNAL EXAMINER

- [1] a. Name: Chosun Eko Sulistyono (PhD)
b. Title: *The Appraisal of short Pile Design Embedded in sand Experiencing Lateral Loading.*
- [2] a. Name: Basri Syarif (Master)
b. Title: *Perlakuan Enapan Tanah Liat Lembut dengan Perparitan Tegak*
- [3] a. Name: Novrial (Master)
b. Title: *Kaedah Silinder Tanah-Kapur untuk Penstabilan Cerun Laterit Semula Jadi*
- [4] a. Name: Pratikso (PhD)
b. Title: *Uplift Behaviour for Enlarged Base Pier and Helical Anchor in Sand*
- [5] a. Name: Mohd. Fairus Yusof (Master)
b. Title: *Ciri-ciri Kejuruteraan Tanah baki Granit di Semenanjung Malaysia*
- [6] a. Name: Teo King Beng (Master)
b. Title: *Pengukuran Tekstur Permukaan Keker Batuan – Perbandingan Kaedah Fotogrametri Jarak Dekat dan Kaedah Konvensional.*

- [7] a. Name: Azman bin Mohamad (Master)
 b. Title: *Prestasi Sambungan TurapanPenguncian Blok Konkrit MenggunakanPasir Pengalas dengan Bahan Tambah Simen.*
- [8] a. Name: Lim Key Lee (PhD)
 b. Title: Application of Soil Confinement for Slope Rehibition
- [9] a. Name: Chan Sook Huei (Master)
 b. Title: Rippability Assessment of Quartzite
- [10] a. Name: Anwar Katib (PhD)
 b. Title: Bearing Capacity of Soft Soil overlaid by FGRanular Material Reinforced with Bending & Tensile Composite at the interface
- [11] a. Name: Azman Mohamad (PhD)
 b. Date of VIVA: 6/3/2014
- [12] a. Name: Khalil Effati Daryani (PhD)
 b. Date of VIVA: 11/2/2014
- [13] a. Name: Sayed Vahid Alavi Nezhad (PhD)
 b. Date of VIVA: 16/6/2014
- [14] a. Name: Mehrdad Kholghifard (PhD)
 b. Date of VIVA: 24/6/2014
- [15] a. Name: Nima Latifi (PhD)
 b. Date of VIVA: 26/5/2014

Examination Chairman

- [1] a. Name: Noorliyana Omar (Master)
 b. Ijazah Sarjana Kejuruteraan (Pengangkutan & Jalanraya)
- [2] a. Name: Mohd. Hatta Marwah (Master)
 b. Ijazah Sarjana Kejuruteraan (Geoteknik)
- [3] a. Name: SugengWiyono (PhD)
 b. Ijazah Falsafah Kejuruteraan (Pengangkutan & Jalanraya)
- [4] a. Name: Ling Tung Chai (Master)
 b. Ijazah Sarjana Kejuruteraan (Geoteknik)
- [5] a. Name: Rachmat Mudiyono, (PhD)
 b. Ijazah Falsafah Kejuruteraan (Pengangkutan & Jalanraya)
- [6] a. Name: Yulindasari, (PhD)
 b. Ijazah Sarjana Kejuruteraan (Geoteknik)

- [7] a. Name: Hendriyawan, (PhD)
b. Ijazah Falsafah Kejuruteraan (Geoteknik)
- [8] a. Name: Salmiati, (PhD)
b. Ijazah Falsafah Kejuruteraan (Alam Sekitar)
- [9] a. Name: Lee Min Lee, (PhD)
b. Ijazah Falsafah Kejuruteraan (Geoteknik)

EXTERNAL EXAMINER

- [1] a. Name: Anas bin Ibrahim
b. Institution : Universiti Sains Malaysia
c. Degree : Master
d. Title: Penggunaan tayar hancur untuk menungkat kekuatan riceh tanah.
- [2] a. Name: Agus Sulaeman
b. Institution : Universiti Tun Hussein Onn Malaysia
c. Degree : PhD
d. Title: The use of lightweight concrete piles for deep foundation on soft soils.
- [3] a. Name: Ismacahyadi Bagus Mohamed Jais
b. Institution : Universiti Teknologi Mara
c. Degree : PhD, 18 Dis 2013
d. Title: Application of Curved-Surface Envelope Soil Sheer Strength Model to the Embankment Wetting Collapse Settlement of Granite Residual Soil.
- [4] a. Name: Younes Bagheri
b. Institution : Universiti Sains Malaysia
c. Degree : PhD
d. Title: Mechanical Performance Evaluation of Improve Soils using compound Stabilizer and Fibers.

PUBLICATIONS

JOURNALS

ISI Journals :

1. Khairul A. Kassim and Barry G. Clarke (1999), "Constant Rate of Strain Consolidation Equipment and Procedure for Stabilised Soil". *Geotechnical Testing Journal*, ASTM, Volume 22, Number 1, March 1999, pp13 – 21. (ISI Journal, IF: 0.5)
2. Eisazadeh, A., Kassim, K.A., and Nur, H. (2011), "Characterization of phosphoric acid- and lime-stabilized tropical lateritic clay". *Journal of Environmental Earth Sciences*, Vol. 63(5), pp 1057-1066. (ISI Indexed, Impact Factor: 0.678)
3. Niroumand, H., Kassim, K.A., Nazir, R. (2011), "Uplift response of symmetrical circular anchor plate in sand". *African Journal of Agricultural Research*, Vol. 6(28), pp 6057-6063. (ISI indexed, Impact Factor: 0.263)
4. Niroumand, H., Kassim, K.A., Nazir, R., Adhami, B., Niroumand, B., Far, S.Y.Z., (2013) "Systematic Review of Screw Anchors in Cohesionless Soils", *Soil Mechanics and Foundation Engineering*, pp. 1-6. Article in Press. . (ISI Indexed, Impact Factor: 0.141)
5. Niroumand, H., Kassim, K.A. (2011), "Uplift response of square anchor plates in dense sand, *International Journal of Physical Science*, Volume 6, Issue 16, pp 3938-3942. (ISI Indexed, Impact Factor: 0.54)
6. Niroumand, H., Kassim, K.A. (2011), "Simulation comparison of the dispersion behaviour of dry sand subjected to explosion", *International Journal of Physical Sciences* Volume 6, Issue 7, pp 1583-1590. (ISI indexed, Impact factor= 0.54)
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PLENARY LECTURE / KEYNOTE ADDRESS

International Conference on Geotechnical and Highway Engineering, GEOTROPIKA 2008

KEYNOTE LECTURE 5

Professor Khairul Anuar Kassim (Universiti Teknologi Malaysia, MALAYSIA)

MODIFICATION AND STABILIZATION OF MALAYSIAN COHESIVE SOILS WITH LIME