



CURRICULUM VITAE

NAME: PROF. DR. AMINATON BT. MARTO
I.C. NUMBER: 600318-01-6336
NATIONALITY: Malaysian
DATE OF BIRTH: 18th. March, 1960
PLACE OF BIRTH: Pontian, Johor.
MARITAL STATUS: Married
ADDRESS (OFFICE): Faculty of Civil Engineering
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QUALIFICATIONS:

1983 B. Eng. (Civil) (Hons) Universiti Teknologi Malaysia, Kuala Lumpur
(Dissertation: *The Behaviour and Performance of Bored Piles*)
1986 Post-Graduate Diploma University of Newcastle upon Tyne, United Kingdom
(Geotechnical Eng.) (Dissertation: *Consolidation Characteristics of an Unsaturated Compacted Clay*)
1987 MSc. (Soil Mechanics and Foundation Eng) University of Newcastle upon Tyne, United Kingdom
(Dissertation: *An Analysis and Comparison of the Results from Self-Boring Pressuremeter with other Tests on London Clay*)
(Winner of Soil Mechanics Ltd. UK. Award, 1987)
1996 PhD (Civil Engineering) University of Bradford, United Kingdom
(Thesis: *Volumetric Compression of a Silt under Periodic Loading*)

PROFESSIONAL MEMBERSHIP:

Member (1997MA87)	Southeast Asian Geotechnical Society (SEAGS)	Since 1997
Member (1997MA87)	International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)	1997

PRESENT ADMINISTRATIVE POSTS

- | | | |
|---|------------------------------------|---------------------|
| 1. Head, Soft Soil Engineering Research Group | Construction Research Alliance,UTM | 1.7.2010 - to date |
| 2. Deputy Quality Manager,
Civil Engineering Testing Unit (CETU) | Faculty of Civil Engineering | 01.01.01 - to date |
| 3. Professor of Geotechnical Eng. | Faculty of Civil Engineering, UTM | 2.6. 2008 - to date |

MANAGEMENT POSITION / ADDITIONAL DUTIES

- | | | |
|--|--|----------------------|
| 1. Committee Member,
Coordination of Research (JKPP) | Faculty of Civil Engineering | 1997 - to date |
| 2. Captain, Civil Defence Department | Prime Minister Office | 1997 - to date |
| 3. Head, Geotechnics Specialist, Disaster
Management & Mitigation Team (DMT) | Faculty of Civil Engineering | 28.02.97 - to date |
| 4. Assessor Panel | Lembaga Akreditasi Negara (LAN) | 31.08.00 - to date |
| 5. Steering Committee, Research Centre of
Soft Soil (RECESS) | Malaysia | 2002 - 2004 |
| 6. Academic Manager (Taught Course Programme) | School of Graduate Studies, UTM | 15.02.02 – July 2008 |
| 7. Executives Committee Member | School of Graduate Studies | 2002 - 2008 |
| 8. University Graduate Studies Committee Member
(JAPSU) | School of Graduate Studies | 2002 - 2008 |
| 9. Permanent Senate Committee Member for
Graduate Studies (JKTSPS) | School of Graduate Studies | 2002 - 2008 |
| 10. <i>City Campus</i> Graduate Studies
Committee Member (JKPS) | School of Graduate Studies | 2002 - 2008 |
| 11. Committee Member of Academic Management
(SKIT-MARA Programme) | School of Graduate Studies | 2002 - 2008 |
| 12. Committee Member of Administration
(SKIT-MARA Programme) | School of Graduate Studies | 2002 - 2008 |
| 13. Deputy Chairman, Coordination
of Pesisir Programme Committee | School of Graduate Studies | 2002 - 2008 |
| 14. Quality Management Committee | School of Graduate Studies | 2002 - 2008 |
| 15. Committee Member | Institut Bina Usahawan | 2004 - to date |
| 16. Committee Member
(Engineering Education) Program, UTM | Board of Studies for PhD | 2007 – 2008 |
| 17. Committee Member
of Project Management Program, UTM | Board of Studies for Master | 2007 – 2008 |
| 18. Committee Member | Board of Studies for Master of
Asset & Facilities Management Program, UTM | 2007 – 2008 |
| 19. Chairman, Int. Conference on Geotechnical
and Transportation Engineering, GEOTROPIKA 2010 | UTM | 2009-2010 |
| 20. Chairman, International & Corporate Affairs
Committee | FKA, UTM | 2009-2011 |
| 21. Committee Member of Academic Committee | FKA, UTM | 2008 to date |
| 22. Committee Member of Post-Graduate Committee | FKA, UTM | 2009 to date |
| 23. Committee Member of Curriculum & Syllabus | FKA, UTM | 2008 to date |
| 24. Committee Member of Assessment of Student
Learning | CTL, UTM | 2007 to date |
| 25. Head, Soft Soil Engineering Research Group | UTM | 2010 to date |
| 26. Panel (Audit) Member for “UTM Academic
Quality Award (AKA)” | Quality Council, UTM/TNC(A) | Feb 2011-July 2011 |
| 27. Panel (Audit) Member for “UTM Academic
Quality Award (AKA)” | Quality Council, UTM/TNC(A) | Feb 2012-May 2012 |
| 28. Panel (Audit) Member for “VC Innovation
Award (AINC2012)” | Quality Council, UTM/TNC(A) | Jan 2012-May 2012 |
| 29. Advisory Member of Council of Professors | UTM | Jan 2012 to date |

WORKING EXPERIENCE:

1. EXTERNAL POST

1. Geotechnical Engineer United Kingdom	Ove Arup and Partners Consultant Ltd.,	01.04.94- 01.06.94
2. Technical Committee “Geotechnical Works”- TC3	Construction Industry Development Board Malaysia (CIDB)	1997 - 2004
3. Visiting lecturer	Yamaguchi University, Japan	April-June1997
4. Working Committee “Test for Soils for Civil Engineering Purposes” WG4 – TC3	Construction Industry Development Board Malaysia (CIDB)	2004 - 2005
5. Visiting Scholar	Pennsylvania State University, USA	07.6.2010-18.6.2010
6. Visiting Professor/ Public Lecture Presenter	Riau Islamic University, Indonesia	31.7.2010

2. FACULTY/UNIVERSITY POST:

1. Assistant Lecturer A	Faculty of Civil Engineering,	16.07.83 - 23.09.87
2. Lecturer	Faculty of Civil Engineering,	24.09.87 - 15.01.99
3. Coordinator, Laboratory Guide Book	Faculty of Civil Engineering	01.01.89 - 01.07.89
4. Head, Instrumentation and Model Laboratory	Faculty of Civil Engineering	01.08.90 - 31.07.92
5. Committee Member, Academic Committee	Faculty of Civil Engineering	1997 - 2002
6. Committee Member, Post-Graduate Studies Committee	Faculty of Civil Engineering	1997 - 2002
7. Academic Coordinator, SPACE Degree Programme (Johor Bahru Centre)	Faculty of Civil Engineering	01.03.97 - 28.02.99
8. Chairman, FKA Colloquium	Faculty of Civil Engineering	01.05.97 - 28.02.99
9. Head, Publication Committee, DMT	UTM	01.05.97 - 2002
10. Head, Advanced Geotechnic Laboratory	Faculty of Civil Engineering	01.01.98 - 31.08.98
11. Chief Editor, FKA Newsletter (Berita FKA)	Faculty of Civil Engineering	19.01.98 - 01.03.01
12. Coordinator/Head of Panel for M.Eng (Civil – Geotechnics)	Faculty of Civil Engineering	1999 – 2002
13. Technical Manager, Civil Engineering Testing Unit (CETU)	Faculty of Civil Engineering	28.02.99 - 31.12.00
14. Academic Coordinator, SPACE Degree Programme (Kota Bharu/ Kuala Terengganu Centre)	Faculty of Civil Engineering	28.02.99 - 31.03.02
15. Head, Panel Elective Subject, Geotechnical Eng.	Faculty of Civil Engineering	2000 - 2002
16. Head, Residual Soil Research Group (RSRG),	Faculty of Civil Engineering	2000 - 2003
17. Faculty Student Advisor (PPF)	Faculty of Civil Engineering	01.03.00 - 31.03.02
18. Panel Coordinator and Assessor for Module Penilaian Tahap Kecekapan (PTK)	UTM	13.07.03 – 20.06.05
19. Associate Professor	Faculty of Civil Engineering	1.1.1999 – 1.6.2008
20. Professor (VK7)	Faculty of Civil Engineering	2.6.2008 – date

TEACHING/SUPERVISION:

Teaching

- (i) Geotechnics I
 - B.Eng.(Civil) - Session 1983/84, 1984/85, 1985/86, 1991/92
 - B.Tech & Ed.(Civil Eng)- Session 2002/03
 - Diploma (Civil Eng.) - Session 1988/89, 1991/92
- (ii) Geotechnics II
 - B.Eng.(Civil) - Session 1983/84, 1989/90, 1990/91, 2008/2009
 - Diploma (Civil Eng.) - Session 1983/84, 1987/88, 1988/89, 1990/91, 1991/92
- (iii) Computer in Civil Eng.
 - B.Eng.(Civil) - Session 1988/89
- (iv) Engineering Geology
 - B.Eng.(Civil) - Session 1992/93
- (v) Geotechnics
 - B.Eng.(Civil) - Session 1998/99, 1999/2000, 2000/01, 2001/02, 2002/2003, 2003/04, 2004/05, 2005/06
- (vi) Disaster Management
 - B.Eng.(Civil) - Session 1999/00, 2000/01, 2001/02
- (vii) Soil Mechanics & Geology
 - B.Eng.(Civil) - Session 1999/00
- (viii) Geotechnical Engineering Design
 - B.Eng.(Civil) - Session 1999/00, 2000/01, 2001/02, 2002/03, 2003/04, 2004/05, 2005/06, 2006/07, 2007/2008, 2008/2009, 2009/2010,2010/2011, 2011/2012,2012/2013
- (ix) Research Methodology and Solution of Problems in Civil Eng.
 - B.Eng.(Civil) - Session 2000/01, 2001/02, 2002/03,2010/11,2012/2013
- (x) Civil Engineering Laboratory I (Geotechnics)
 - Diploma (Civil Eng) - Session 1983/84
 - B.Eng.(Civil) - Session 1992/93, 1998/99, 1999/00
- (xi) Civil Engineering Laboratory II (Geotechnics)
 - Diploma (Civil Eng) - Session 1983/84, 1984/85, 1985/85, 1988/89, 1989/90, 1990/91,
 - B.Eng.(Civil) - Session 1989/90, 1990/91, 1991/92, 1998/99, 1999/00, 2000/01, 2001/02, 2002/03
- (xii) Advanced Soil Mechanics
 - M.Eng.(Civil-Geot.) - Session 1999/00, 2000/01, 2001/02, 2002/03, 2003/04, 2004/05, 2005/06, 2006/07, 2007/2008, 2008/2009,2009/2010, 2010/2011, 2011/2012,2012/2013
 - Eng.Doc - Session 2005/06
- (xiii) Advanced Geotechnical Analysis and Design
 - M.Eng.(Civil-Geot.) - Session 1999/00, 2000/01, 2001/02, 2002/03,2009/2010, 2011/2012,2012/2013
- (xiv) Advanced Foundation Engineering
 - M.Eng.(Civil-Geot.) - Session 2005/06, 2007/2008
 - M.Eng (Civil-Structure)- Session 2005/06, 2007/2008
 - Eng.Doc - Session 2005/06
- (xv) Dynamics of Soil and Foundation
 - M.Eng.(Civil-Geot.) - Session 2004/05, 2006/2007, 2009/2010
 - Eng.Doc - Session 2004/05, 2006/2007
- (xvi) Construction Technology
 - M.Eng.(Civil-Geot.) - Session 2003/04, 2004/05, 2005/06, 2006/07, 2007/2008
 - M.Eng (Civil-Structure)- Session 2003/04, 2004/05, 2005/06, 2006/07, 2007/2008
 - M.Sc.(Const. Mgmt) - Session 2003/04, 2004/05, 2005/06, 2006/07, 2007/2008, 2008/2009
 - Eng.Doc - Session 2004/05, 2005/06, 2006/07
- (xvii)Research Methodology
 - Ph.D - Session 2002/03, 2003/04, 2004/05, 2005/06, 2006/07, 2007/08, 2008/09, 2009/10, 2010/11, 2011/2012, 2012/2013
 - M.Eng - Session 2002/03, 2003/04, 2004/05, 2005/06, 2006/07, 2007/08, 2008/09, 2009/10, 2010/11, 2011/2012, 2012/2013
 - M.Ed., M.Mgmt - Session 2002/03, 2003/04, 2004/05, 2005/06

- Eng.Doc - Session 2005/06, 2006/07, 2007/2008

(xviii) Civil Engineering Fundamentals

- B.Eng - Session 2011/2012, 2012/2013

Supervision [Phd., M.Eng., (Research or Project) / Final Year B. Eng. Project]

Doctor of Philosophy – Full Research

<i>Session 2004/05-2006/2007 (Graduated)</i>	<i>1 student</i>
1. Seismic Hazard Analysis for Peninsular Malaysia and Microzonation Study for Kuala Lumpur City Centre and Putrajaya <i>Hendriyawan</i>	
<i>Session 2005/06 – (graduated)</i>	<i>1 student</i>
1. Bearing Capacity of Soft Soil Overlying By Granular Material Reinforced with Bamboo-Geotextile Composite at the Interface <i>Anwar Khatib Ruslan</i>	
<i>Session 2006/2007 – (graduated)</i>	<i>1 student</i>
1. Engineering Properties of Pulverised Fly Ash and Application for Embankment Construction <i>Muhardi</i>	
<i>Session 2009/2010 (on –going)</i>	<i>2 students</i>
1. <i>Abdul Rahim Awang</i> Characteristics of Bottom Ash Mixtures as Replacement Material in Ground Improvement Work	
2. <i>Siti Noorafida (as 2nd supervisor)</i> <i>Numerical Modeling of Joints in Tunnel Liner</i>	
<i>Session 2010/2011 (on –going)</i>	<i>4 students</i>
1. <i>Mohsen Hajihassani (Graduated)</i> Prediction of Tunnelling-Induced Ground Movement Based on Hybrid Particle Swarm Optimization Algorithm and Artificial Neural Network	
2. <i>Muzamir Hassan</i> The Strength and Compressibility of Soft Clay Reinforced with Bottom Ash Columns	
3. <i>Lee Foo Wei (withdrawn-working)</i> Numerical and Full Scale Modeling of Embankment on Soft Clay	
4. <i>Arash Azizi (withdrawn – go to Italy)</i> Behaviour of Bottom Ash within the Critical State Boundary Surface	
<i>Session 2011/2012 (on –going)</i>	<i>3 students</i>
1. <i>Nima Latifi</i> Behaviour of Sheet Pile Wall with tirechips improved backfill soil under liquefaction	
2. <i>Tan Choy Soon</i> Seismic Geohazard Mapping of Iskandar Malaysia Region	
3. <i>Mohsen Oghabi</i> Bearing Capacity of Circular Footing on Reinforced Sand Embankment under Cyclic Loading	
<i>Session 2012/2013 (on –going)</i>	<i>1 student</i>
1. <i>Razieh Moradi (as 2nd supervisor)</i> Numerical and Physical Modelling of Bottom Ash Columns installed in Soft Soils	
<i>Session 2013/2014 (on –going)</i>	<i>2 students</i>
1. <i>Faizal Bin Pakir (as 2nd supervisor)</i>	
2. <i>Houman Sohaei</i>	

Masters of Eng (Geotechnics) – Full Research

Session 1997/98, 1998/99 and 1999/2000 (Graduated) 3 students

1. Bearing Capacity of Ribbed Raft Foundation in Soft Soils
Anwar Khatib Ruslan
2. Stabilisation of Slope Using Lime-Soil Cylinder
Novrial
3. Method of Improving The Bearing Capacity of Pavement Subgrade Soil
Menachi Sundaram Chettier Ramasamy

Session 2001/2002 (Graduated) 5 students

1. Deterministic Seismic Hazard And Vulnerability Assessment for Klang Valley
Tuan Norhayati Tuan Chik
2. Mineralogy, Microstructure and Chemical Contents of Residual Soil for Peninsular Malaysia
Khairul Nizar Mohd Yusof
3. The Characteristics of Residual Soil in Peninsular Malaysia
Mohd Fairus Yusuf
4. Performance Characteristics of Embankment on Soft Ground
Mohd Khatta Marwah
5. The Engineering Characteristics, Mineralogy and Microstructure of Soft Clay in Peninsular Malaysia
Saiful Azhar Ahmad Tajudin

Session 2009/2011-1 (Graduated) 1 student

1. Bakhtiar Affandy Othman
Performance of Embankment on Bamboo-Geotextile Composite Reinforced Soft Clay

Session 2011/2012-1 & 2011/2012-2 (on-going) 1 student

1. Lorince Tapa (Differ 2 semesters)
Finite Element Modeling of FA:BA mixtures backfilled embankment on soft clay

Session 2011/2012-2 (on-going) 1 student

1. Adriana Erica Amaludin
Numerical and Physical Modelling of Energy Pile Foundation in Cohesive Soils

Master of Eng. (Geotechnics) – mixed mode (graduated)

Session 2010/2011-2 & 2011/2012-1 & 2011/2012-2 1 student

1. Effect of Excavation Methods and Face Distance on Settlement in NATM
Houman Sohaei

Masters of Eng. (Civil-Geotechnics) – Taught Course (+ Masters Project)

Session 2001/2002 (Graduated) 1 student

1. Rock-Socketed Bored Pile, Soil Retaining System and Management of Confined Site
Amir Khan Suwandi

Session 2004/2005 (Graduated) 1 student

1. The Bearing Capacity of Soft Clay Reinforced with Bamboo-Geotextile Composites
Abdul Rahim Awang

Session 2005/2006 (Graduated) 2 students

1. Comparison of Predicted Settlement Behaviour to the Field Measurement of Stone Column Improved Ground
Selvem s/o Raman
2. Comparison between Predicted and Monitored Settlement of Embankment on Vertical Drain Treated Soft Clay
Mohd Redzuan Ahmad

Session 2006/2007 (Graduated) 5 students

1. Estimation of Ultimate Pile Bearing Capacity
Wong Charng Chen
2. The Performance of Embankment on Soft Clay Underlaid by Bamboo-Geotextile
Muzamir Bin Hasan

3. Correlation Between the N-Value of Standard Penetration Test (SPT) and Bearing Capacity of Cohesionless Soil in Shallow Foundations
Raguraman al Jayakumaran
4. Correlation Of Compressibility Characteristic for Soft Clay Along East Coast Highway
Norziaty Binti Mohd Noor
5. Mitigation And Remedial Measures of Critical Slope
Amizatulhani Binti Ngah Samad @ Abdullah

Session 2007/2008 (Graduated)

3 students

1. Correlation on Characteristics of Soft Clay from West Coast Highway
Suriawati
2. Liquefaction Potential Hazard Assessment of Sultan Mahmud Airport
Ahmad Che Salam
3. Performance of Multi-Propped Deep Excavation in Kenny Hill Formation
Law Kim Hing

Session 2008/2009 (Graduated)

3 students

1. Behaviour of Laterally Loaded Bored Pile in Reclaimed Land
Vijayakumar
2. Performance Prediction of Prefabricated Vertical Drains beneath Embankment on Soft Ground by Finite Element Analysis
Thanath Gopalan
3. Strength and Compressibility Characteristics of Kaolin Mixed with Bottom Ash
Ehsan Jorat

Session 2009/2010-2 & 2010/2011-1 (Graduated)

1 student

1. Critical State of Fly Ash: Bottom Ash Mixture
Marwah

Session 2011/2012-1& 2012/2013-1 (graduated)

1 student

1. Jacky Ling Jia Yii
Effect of the Addition of Bottom Ash on the Critical State of Fly Ash

*Session 2011/2012-2 & 2012/2013-1 (graduated)
student*

1

1. Chew Yun Lieh
Cyclic Loading of Sand-Tire Chips Mixtures

Bachelor of Civil Engineering

Session 1988/89 (Graduated)

5 students

1. The Characteristics of Unsaturated Clay
2. The Use of Pressuremeter for In-situ Testing of Soils
3. The Use of In-situ Test Results in Designing Foundation on Cohesive Soils
4. The Use of In-situ Test Results in Designing Foundation on Cohesionless Soils
5. The Use of Reinforced Earth in Embankment Design

Session 1989/90 (Graduated)

8 students

1. Site Investigation Practice and Its Evaluation for Projects in Malaysia
2. Geotechnical Problems and Stabilisation of Laterite Soils
3. Computer Aided Foundation Design
4. The Suitability of Laterite Soil as Backfill Material for Reinforced Earth Retaining Structures
5. Measurement and Analysis of In-situ Characteristics of Soil using Texam Pressuremeter
6. Soil Instrumentations for Civil Engineering Projects in Malaysia
7. The Effect of Stabilisation using Cement Portland and Calcium Chloride on Compressibility and Shear Strength of Organic Soils
8. Stabilisation of Peat Soils using Ordinary Portland Cement and Calcium Chloride

Session 1991/92 (Graduated)

2 students

1. Behaviour and Performance of Reinforced Model Using Laterite as Backfill Material
2. Foundation System for Civil Engineering Projects On Peat Soils

Session 1997/98 (Graduated)

5 students

1. Cyclic Loading of Soft Clay

- Vong Chin Siang*
2. Foundation System for Mega Project – A Case Study
Mohd Annuar Bin Othman
 3. Theory and Practice of Soil Improvement in Malaysia- A Case Study
Mohd Pesol Bin Man
 4. The Use of Soil Instrumentation in Civil Engineering Projects
Lee Cheng Phiau
 5. Assessment of Pile Performance – A Case study
Choo Fatt Leng

Session 1998/99 (Graduated)

10 students

1. The Engineering Characteristics of Pontian Peat
Aznan Mohamed Natzri
2. The Engineering Characteristics of Pontian Peat
Khairul Azmi Bin Pumiyan
3. `Nahemiah` Anchored Earth as a Retaining Structure – A Case Study
Wan Shamsuddin Wan Mohamed
4. The Use of Bamboo as Soil Improvement Method
Abd. Rashid Misran
5. Settlement Problems in Soft Soil
Haslindawaty Binti Mohd. Yusof
6. Soil Improvement Method Using Vertical Bamboo Poles for Marine Clay
Shah Rizal B. Muhamad
7. Foundation Selection for Soft Clay
Hanif Bin Mat Salim
8. Analysis Bearing Capacity Of Driven Concrete Pile
Queck Han Tiong
9. Vertical Drain as Soil Improvement Method for Road Construction at Tanjung Pelepas Port
Che Abdul Roni Bin Mustafa
10. Construction of Foundation at Tanjung Pelepas Port
Mariam Ibrahim

Session 1999/00 (Graduated)

14 students

1. Performance of Sandwich Method Land Reclamation Model Using Laterite And Sand
Ahmad Yusri Bin Mohamad Mokhtar
2. Design and Performance of Vertical Drain at Container Yard, Tanjung Pelepas Port
Goh Kheng Lau
3. The Design and Construction of Deep Foundation Excavation
Anthony Martin
4. The Use of Soil Instrumentation in Civil Engineering Projects
Mohd Khatta Bin Marwah
5. The Slope Stabilisation Using Lime-Soil Cylinder Without Curing
Mohd Fairus Bin Yusof
6. The Slope Stabilisation Using Lime-Soil Cylinder – for 7 Days Curing Period
Khairul Nizar B. Mohd Yusof
7. G - Pile Foundation System for 18 Storey Low-Cost Flat
Subathra Dewi a/p Ramachandram
8. G - Pile Foundation System in Lime Stone Area
Priscilla Pramila a/p Vincent Jayaraj
9. The Performance Of Sandwich Method Land Reclamation Model With Vertical Drains
Haniff Bin Mohd Saharin
10. Soil Stabilisation using Lime Column
Abd Aziz Bin Hussain
11. The Compressibility Characteristics Of Peat Stabilised With Ordinary Portland Cement (OPC)
Mohd Rusdi Bin Abdullah
12. The Piling Work of Prestressed Pile Using Hydraulic Injection Method in Residual Soil
Jamaludin Bin Yusof
13. The Use of EPS for Improvement of Highway Subgrade
Mohd Zain
14. Slope Stabilisation Using Vegetation Method
Inihayati Binti Sabudin

Session 2000/01 (Graduated)

13 students

1. The Design and Construction of Road Embankment On Soft Soil
Amy Sim Poh Ling
2. Soil Improvement Method Using Vertical Bamboo Poles for Marine Clay
Mohd Suhaizal B. Mat Sulaiman
3. Analysis of Rock Slope Stabilisation using High Strain Rock Bolt System
Tan Chee Yee
4. Perbandingan Antara Pengukuhan Di Tapak Bina Dengan Ramalan Dari Ujikaji Makmal
Aw Soon Heng
5. Prestasi Silinder Tanah-Kapur Selepas Awetan 7 Hari Sebagai Saliran Ufuk Dalam Model Cerun Tanah Laterit
Lo Seng Ling
6. Engineering Characteristics of Laterite Soils in UTM, Skudai
Mohd Syaril Bin Mohd Ali
7. Engineering Characteristics of Soft Clay in Johor Beach
Noor Hafiza Binti Jedris
8. Compressibility Characteristics of Soft Clay in Johor Beach
Suria Binti Musa
9. Hubungkait Antara Nilai SPT-N Dengan Modulus Tanah, Dan Aplikasi Parameter-Parameter Tersebut Dalam Ramalan Penganapan Cerucuk
Chin Kheng Ghee
10. The Effectiveness of Lime-Soil Cylinder, Cured at 21 Days as Horizontal Drain in Laterite Slope Model
Anna Sia Hung Ing
11. The Design and Construction of Road Embankment on Soft Clay
Niraku Rosmawati Binti Ahmad
12. Sistem Pencerucukan Untuk Jambatan Kedua Sungai Segamat (Kajian Kes)
Abd Rahman Bin Mokhtar
13. Rekabentuk Pembinaan Dan Prestasi Asas Kaison
Wong Chee Meng

Session 2001/02 (Graduated)

15 students

1. The Behaviour of The Slope Model Stabilised with Lime-Soil Cylinder after 7 Days Curing Period
Muhammad Fauzul Kabir Bin Elias
2. The Effectiveness of Lime-Soil Cylinder, Cured at 14 Days as Horizontal Drain in Laterite Slope Model
Muzalifah Binti Mohamad
3. The Effectiveness of Lime-Soil Cylinder, Cured at 7 Days as Horizontal Drain in Laterite Slope Model
Siti Noorahayu Binti Ab. Hamid
4. The Strength Characteristics of Soft Clay Beneath the Trial Embankments
Lau Han Chong
5. Mikrostruktur, Mineralogi dan Sifat-Sifat Kimia Tanah Baki di Zon Selatan Utara Semenanjung Malaysia
Ahmad Shukri Bin Hamid
6. Compressibility Characteristics of Soft Clay Beneath the Muar Trial Embankment
Choong Kat Weng
7. Mikrostruktur, Mineralogi dan Sifat-Sifat Kimia Tanah Baki di Zon Utara Semenanjung Malaysia
Mazwan Khairani Binti Abdul Manan
8. Perbandingan Antara Tembok Penahan Jenis Flexsoil` Dengan Tembok-Tembok Penahan Lain
Thanabalan a/l Subbarayan
9. Menentukan Jumlah Hakisan dan Indeks Kebolehruntuhan Tanah
Abdul Razak Ahmad
10. Tebusguna Tanah Bekas Lombong Bijih Timah Untuk Pembangunan
Saravanan a/l Surinarayan
11. Penyiasatan Tapak Dan Pembinaan Asas Di Lapisan Batuan
Chau Yik Mun
12. Perbandingan Antara Tembok Penahan Tanah Jenis `Flexsoil` Dengan Tembok-Tembok Penahan Jenis Lain
Abdul Halim Samah
13. Kestabilan Model Cerun Terstabil Dengan Silinder Tanah Kapur Selepas 14 Hari Tempoh Awetan
Syed Shahrul Rizal B. Saad Zenal Abidin
14. Ciri-Ciri Kejuruteraan Tanah Lower Clay Di Bawah Tambakan Cubaan Muar
Zaiton Binti Zainal Badri
15. The Prediction of Settlement of Clay under Static Load
Chin Yuen Hin

Session 2002/03 (Graduated)

3 students

1. Deep Foundation in Confined Areas
Leong Kit Hon
2. Analysis of Failed Embankment on Soft Clay
Lau Thian Kian
3. Piling For Highrise Building
Muhammad Shah Irfandy Samat

Session 2003/04 (Graduated)

6 students

1. Piling of Road Bridge
Maulana Sudini
2. Penstabilan Cerun Menggunakan Silinder Tanah-Kapur Pada 7 Hari Tempoh Awetan
Badlee Hisyam Bin Yaakub
3. Penstabilan Model Cerun Menggunakan Silinder Tanah-Kapur Yang Diawet Selama 14 Hari
Muzamil Azwal B. Mokhtar
4. Pemantauan Pergerakan Sisi Tembok Penahan
Kasumazaily Bin Kussenan
5. Kerja Asas Cerucuk Dan Garis Panduan Bagi Pembinaan Di Tanah Tinggi
Azman Jaafar
6. Sistem Penahanan Kekal Untuk Kerja Pengorekan Dalam
Abdul Halim Rahim

Session 2004/05 (Graduated)

8 students

1. The Correlation Of Nuclear Densometer With Sand Replacement Method In Determining Field Compaction Density
Sheeramalu a/l Namathevan
2. An Assessment Of Geogrid Reinforced Soil Slope
R. Thinakaran a/l Ramasamy
3. Prestasi Model Cerun Yang Disisip Dengan Silinder Tanah-Kapur Bersama Jalur Geotekstil Untuk Awetan 14 Hari
Lee Mei Hua
4. Penstabilan Cerun Menggunakan Silinder Tanah-Kapur Bersama Geotekstil Untuk Awetan 7 Harian
Tan Sje Ting
5. Asas Bagi Sekim Perumahan Di Atas Tanah Bekas Lombong
Mohd Shahlan Bin Husnin
6. Analisis Kestabilan Cerun
Azman Bin Ibrahim
7. Penyiasatan Tapak Dan Ciri Kebolehmampatan Tanah Liat Di Tapak Tambakan Cubaan
Hanim Binti Mahmud
8. Penyiasatan Tapak, Persampelan, Dan Kekuatan Ricih Tanah Liat Lembut
Muzamir Bin Hasan

Session 2005/06 (Graduated)

4 students

1. The Design of Trial Embankments and Instrumentation for Monitoring the Performance of Bamboo-Geotextile Composite as Soil Improvement Method
Mohd Azimuddin Yunus
2. The Design of Trial Embankments and the Selection of Instrumentation for Monitoring the Bamboo-Geotextile Composite in Soft Soil
Badrul Hisham Hasbi
3. Analisis Rekabentuk Tambakan Cubaan Dan Ramalan Enapan Tanah
Chin Kheng Boon
4. Analisis Semula Parameter Pengukuhan Di Tapak Untuk Ramalan Enapan Di Bawah Tambakan
Lim Kok Yong

Session 2006/07 (Graduated)

4 students

1. Slope Stabilisation using Lime-Soil Cylinder with Geotextile Strips for 7 Days Curing Period after heavy Rainfall
Mohamad Farid bin Sinal @ Zainal
2. Slope Stabilisation using Lime-Soil Cylinder with Geotextile Strips for 7 Days Curing Period
Mohd Khairunizam bin Repan
3. Piling in Rock
Partiban a/l Parasalaman
4. Prediction of Pile Bearing Capacity using PDA
Nurdiana bt Md. Tajuddin

Session 2007/08 (Graduated)

2 students

1. Engineering Properties of Fly Ash
Lee Foo Wei
2. Engineering Properties of Coal Ash
Yap Shi Lim

Session 2008/09 (Graduated)

5 students

1. Performance of Trial Embankment on Bamboo Reinforced Soft Clay
Fahrul Rohman Ahmad
2. Performance of Trial Embankment on Bamboo-Geotextile Reinforced Soft Clay
Mohamad Farid Hassan
3. Compressibility Characteristics of Fly Ash at 28 days Curing Period
Nur Wahida Zulkifly
4. Strength Characteristics of Fly Ash at 28 Days Curing Period
Asninda Es Abdul Wahab
5. Engineering Characteristics of Bottom Ash
Noor Rafida Abdul Talib

Session 2009/10 (Graduated)

9 students

1. Strength Characteristics of Compacted Residual Soil-Bottom Ash Mixture
Mohd Salihin Mohamad
2. Performance of Trial Embankment on Bamboo-Geotextile Reinforced Soft Clay
Tarmizi bin Ahmad
3. Geotechnical Instrumentation for Monitoring of MPM Slopes
Azfar Nor Ahmad
4. Stability and Deformation Analysis of Embankment on Soft Clay
Abd Halim Abd Aziz
5. The Performance of Embankment on High Strength Geotextile Reinforced Soft Clay
Khairul Azizi bin Rosli
6. Settlement Analysis of Full-Scale Test of Embankment on Batu Pahat Soft Clay
Chee Jian Yau
7. Stability Assessment of MPM Slopes using Finite Element Model
Tan Lih Chyuan
8. The Deformation of Embankment on Bamboo Reinforced Soft Clay
Tan Shi Yeong
9. Finite Element Model of Embankment using Residual Soil-Bottom Ash Mixture as Backfill Materials
Nor Amirul Mohamad

Session 2010/11

11 Students

1. Soil Improvement using Vacuum Preloading Method
Khairul Anuar
2. Back-Analysis of Geotechnical Parameters from Full-Scale Test on Instrumented Bored Piles in Kenny Hill Formation
Lim Ming Huei
3. Bearing Capacity of Fill Soils
Kavitha
4. Seismic Liquefaction Hazard of Soils at Iskandar Malaysia Region
Tan Choy Soon
5. Prediction of Tunneling Induced Surface Deformation using E
Chan Yien Wei
6. Finite Element Modeling of the Deformation of Embankment on Bamboo-Geotextile Composite Reinforced Soft Clay Empirical Method
Roni Gideon Amin
7. Physical Characteristic and Geotechnical Properties of Tanjung Bin Coal Ash Mixtures
Haffiz Misbari
8. Shear Strength of Soft Soil Reinforced with Singular Bottom Ash Column
Mohd Husni Mohd Ali
9. Strength of Soft Soil Reinforced with a Group of Bottom Ash Columns
Muhammad Muttaqin Mohammad Fadzil

- 10 Physical, Morphological and Strength Properties of Tanjung Bin Coal Ash
Mohd. Faizal Hamzah
11. *Muhammad Faiz Abd Rahman*

Session 2010/11-2 (Graduated)

3 Students

1. Settlement Assessment and Remedial Measures at a Residential Area
Abd Rahman Yasir
2. Clay Soil Stabilisation using Rice Husk Ash with Cement
Akhtar Nurfitri Mat Zain
3. Correlation of Nuclear Densometer Method with Core Cutter and Sand Replacement Methods in Determining Field Compaction Density
Radin Erwanddy Radin Roslan

Session 2011/12-1 & 2011/12-2 (graduated)

7 Students

1. Liquefaction Potential Map for Iskandar Malaysia Region
M. Toriq Quthubudin bin Dzulkifli
2. Landslide Hazard Map for Iskandar Malaysia
Mohd Riza Aizad bin Shauri
3. Soft Soil Stabilisation with Coal Ash
Muhammad Abukar
4. Shear Strength of Soft Clay Reinforced with a Group of Bottom Ash Columns
Young Mun Yee
5. Variation of CBR Value and Compressibility Characteristics of FA-BA Mixture with Curing Period
Aida Rozainy Binti Azali
6. Potential Use of Laterite and Kahang Clay Mixture as a Landfill Liner Material
Boh Wen Han
7. Slope Stability and Movement Analysis Based on Landslide Monitoring Data
Mohamad Nazri Ibrahim

Session 2012/13-1 & 2012/13-2 (graduated)

9 Students

1. *Nurul Atikah*
2. *Hamisah Marudu*
3. *NurNaemah Isa*
4. *Mohamed Abdi*
5. *Neoh*
6. *Chong Yue Fue*
7. *Endang Trirahayu Kamsaton*
8. *KalaiChelvan a/l Subramaniam*
9. *Mohd Khairul Darini*

Supervision (Professional Practice Projects)

Bachelor of Civil Engineering

Session 1997/98

11 students

1. Recent Piling Practices in Malaysia (5 students)
2. Piling Practice for Hospital Extension Building (6 students)

Bachelor of Civil Engineering

Session 1998/99

10 students

1. Retaining Wall Structures for Road Embankments (5 students)
2. Piling System for Bangunan Mahkamah Syariah Kuala Terengganu (5 students)

RESEARCH:

International Level

1. Consolidation Characteristics of an Unsaturated Compacted Clay (University of Newcastle upon Tyne, England) Jan. 1986 - June 1986
2. An Analysis and Comparison of the Results from Self-Boring Pressuremeter with other tests on London Clay (University of Newcastle upon Tyne, England) April 1987 - Sept. 1987
3. Volumetric Compression of a Silt under Periodic Loading (University of Bradford, England) Dec. 1992 - Dec. 1996
4. Cyclic Loading of Soft Marine Clay (JSPS Collaborative Research Programme with Yamaguchi University, Japan) Nov. 1997 - Dec 2001
5. Engineering Characteristics of Peat (JSPS Collaborative Research Programme with Ibaraki University, Japan) Oct. 1998 - Dec 2001

National Level

1. The Use of Laterite Soil as Backfill Material for Reinforced Earth Retaining Structures (Research and Consultancy Unit, UTM - Vot 61037) May 1989 - May 1992
2. The Use of Texam Pressuremeter to Identify the Engineering Characteristics of Cohesive Soil (Faculty of Civil Engineering, UTM) July 1990 - May 1991
3. Bearing Capacity of Ribbed Raft Foundation (Research and Consultancy Unit, UTM - Vot 71224) Nov 1997 - 2001
4. Stability Analysis and Remedial Measures of Cut Slope (Research and Consultancy Unit, UTM - Vot 71275) Jan 1998 - Jan 2001
5. Modelling Effects of Steady State Rainfall in Long-Term Matric Suction in Unsaturated Soil (Research and Consultancy Unit, UTM - Vot 71326) Jun 1998 - 2002
6. The Development, Design and Construction of a Composite Material Breakwater System (IRPA – Vot 72222) Dec 1999 - 2003
7. Characterisation of Malaysian Residual Soil for Geotechnical and Construction Engineering (IRPA – Vot 72256) Dec 1999 - 2003
8. Development of Stabilisation Techniques for Contaminated Soil (IRPA – Vot 72277) June 2001 - 2003
9. Performance Characteristics of Embankment on Soft Ground (IRPA – Vot 72335) June 2001 - 2003
10. The Grid Mat Method to Increase Bearing Capacity of Subgrade Soil (Short term Vot 71995) Nov. 2002 - Nov 2004
11. The Performance of Soft Clay Reinforced with Bamboo-Geotextile Composite Overlaid by Granular Soil (IRPA – Vot 74216) Dec 2003 – Mei 2007

12. Seismic Hazard Analysis of Peninsular Malaysia for Structural Design Purposes Feb 2005 - Feb 2007
(CIDB – Vot 73303)
13. Seismic Hazard and Risk for Malaysia June 2006 – June 2008
(Academy of Science Malaysia, RM1.1 million – Vot 63034)
14. Full-Scale Test of Trial Embankment on Bamboo-Geotextile Composite Reinforced Soft Clay August 2007-Dec 2009
(E-Science Fund, Project Number: 03-01-06-SF0236: RM356,400 – Vot 79155)
15. Engineering Characteristics of Coal Ash in Malaysia Sept 2007-November 2009
(FGRS, RM100,000 – Vot 78220)
16. Characterisation and Modeling of Coal Ash Mixtures in Embankment Construction April 2011 – 31 June 2013
(GUP, RM 150,000.00 – vot : Q.J130000.7122.00H33)
17. Settlement Prediction of Soft Clay Due to Embankment Construction and Tunneling Work April 2011 – 31 August 2012
(GUP, RM 40,000.00 – vot : Q.J130000.7122.00J22) - *Member*
18. The Use of Bottom Ash In Soft Clay Improvement For Construction Works April 2011 – 31 July 2012
(GUP, RM 40,000.00 – vot : Q.J130000.7122.01J69) - *Member*
19. Behavior of sand-tire chips mixture under static and cyclic loading September 2012 – 31 April 2013
(GUP, RM 35,000.00 – vot : Q.J130000.2622.05J79) - *Member*
20. Shallow Geothermal Energy Pile Bearing Capacity in Clay Jun 2013 - 31 march 2015
(Science Fund, RM213,200 - vot : R.J130000.7922.4S072)
21. Fundamental Effect Of Fines And Plasticity Towards Liquefaction Susceptibility Through Critical State Soil Mechanics Framework Dec 2013 - Dec 2015
(FGRS/2, RM74,000 – Vot No. In Queue)
22. Bearing Capacity Of Reinforced Sand Embankment Under Static Loading Nov 2013 - Oct 2014
(PAS, RM19,000 – Vot No. Q.J130000.2722.00K65)

CONSULTANCY:

International Level

- | | | |
|---|---|------------|
| 1. Gascoigne Wood Spoil Heap, West Yorkshire, United Kingdom | Analysis of Site Investigation and Soil Laboratory Results, Settlement Calculation and Slope Stability Analysis | April 1994 |
| 2. The Earth Centre, Leeds, United Kingdom | Desk Study and Planning for Site Investigation | May 1994 |
| 3. M621/M1 Link Road, United Kingdom | Design of Retaining Structure for Road Embankment | May 1994 |
| 4. Ground Treatment for Wave Generator, Yorkshire, United Kingdom | Soil Laboratory Testing and Analysis | May 1995 |

National Level

- | | | |
|--|--|-------------------------|
| 1. Jetty Project for Banda Hilir Melaka (Public Work Department, Melaka) | Design of Pile Foundation | 1990 - 1991 |
| 2. Construction of Power Generator for Tenaga Nasional Berhad (TNB), Teluk Bekah, Ipoh, Perak (Tenaga Nasional Berhad) | Site Appraisal and Design of Pile Foundation | June 1991 - Dec. 1991 |
| 3. Kedah Reclamation Project (Kedah - NAHRIM) | EIA Report on geotechnical and geological input | July 1997 - August 1997 |
| 4. Wharf Restoration (Sime-Sembawang, Teluk Ramunia) | Design and Remedial Measures of Collapsed Retaining Structure) | Oct 1998 - Dec 1998 |
| 5. The Development of 20 Storey Housing and Offices for Kastam and Eksais Diraja Wilayah Persekutuan | Site Investigation Work and Design of Foundation | Jan 2002 - August 2003 |
| 6. Housing Projects in Selangor area for Dr Ahmad Fikri and Associates | Foundation Design | 2003 - 2004 |
| 7. Seismic Hazard and Risk for Malaysia for Academy of Science Malaysia:
Contract Research/Consultancy work - Vot 63034 | Analysis on Dam, Tunnel & Road Bridge | 22/9/06 – June 2008 |
| 8. Engineer Inspection for Maintenance and Assessment of Slopes around Majlis Peperiksaan Malaysia Complex, Selayang | Assessment of Slope Stability | 1/5/10- 31/8/2011 |

PUBLICATIONS:

Book

1. **Aminaton Marto** and others Civil Engineering Glossary (Geotechnic), 1993, DBP,
2. **Aminaton Marto**, Fatimah Mohd Noor dan Fauziah Kasim Unit Penerbitan Akademik, UTM. (ISBN: 983-9585-87-8) Soil Mechanics (Translation to Malay Language), 1993,
3. **Aminaton Marto** and others (1993) Penyelesaian Masalah-Masalah Mekanik Tanah, Unit Latihan, UTM.
4. **Aminaton Marto** and others (1999) Soil Investigation and Design for Slope, UTM
5. **Aminaton Marto** and others (1993) Annual Report Faculty of Civil Engineering Faculty of Civil Engineering, UTM.
6. **Aminaton Marto** & others (Member of Task Force) (1993) Three Decades of Civil Engineering (1972 – 2000), Faculty of Civil Engineering, UTM. (ISBN: 983-9805-37-1)
7. **Aminaton Marto** & others (Working Group WG4-TC3), CIDB (2005) MS 1056: Part 1-7: 2005, Soils for Civil Engineering Purposes - Test Method -, Department of Standards Malaysia
8. **Aminaton Marto** & other lecturers from IPTA (2005) Ensiklopedia Sains & Teknologi (Kejuruteraan Awam) Dewan Bahasa & Pustaka

Book Chapters

1. Azlan Adnan, Hendriyawan, **Aminaton Marto** and B. Selvanayagam P.N. (2008) Chapter 1: "Development of Seismic Hazard Map of East Malaysia", Advances in Earthquake Engineering Application, Mohd. Zamri Ramli Ed., Penerbit UTM, Pp 1-18
2. Azlan Adnan, Hendriyawan, **Aminaton Marto** and Irsyam, M. (2008) Chapter 2: "Microzation Study of Putrajaya, Malaysia", Advances in Earthquake Engineering Application, Mohd. Zamri Ramli Ed., Penerbit UTM, Pp 19-34
3. **Aminaton Marto**, Mohsen Hajihassani, Roohollah Kalatehjari (2013) Chapter 1: "A Review On The Methods Of Tunnelling-Induced Ground Movement Prediction", Ground Movements Induced By Tunnelling And Their Effects On Surface Structures., Penerbit UTM, Pp 1-32
4. Mohsen Hajihassani, **Aminaton Marto** (2013) Chapter 2: "Artificial Neural Networks For Tunnelling-Induced Ground Movement Prediction", Ground Movements Induced By Tunnelling And Their Effects On Surface Structures., Penerbit UTM, Pp 33-52

Journal

International

1. Adnan, A, Hendriyawan, and **Marto, A.** (2004) Lesson Learned From the effect of Recent Far Field Sumatra Earthquakes to Peninsular Malaysia. *13th World Conference on Earthquake Engineering, Vancouver, B.C. Canada, August 1-6, 2004. Paper No. 416. (Published as Refereed Journal)*

2. Adnan, A, Hendriyawan, **Marto, A** and Irsyam, M. (2007) Development of Seismic Hazard Maps for Peninsular Malaysia Journal of Science and Technology in the Tropics, 3, 2007 pp 51-57
3. Muhardi, A., **Marto, A.**, Kassim, K.A., Makhtar, A.M., Wei, L.F. and Lim, Y.S.. (2010) Engineering Characteristics of Tanjung Bin Coal Ash. *The Electronic Journal of Geotechnical Engineering (EJGE) Vol 15K, p 1117-1129, ISSN 1089-3032.*
4. Jorat, M.E., **Marto, A.**, Namazi, E. and Mohd Amin, M.F. (2011) Engineering Characteristics of Kaolin Mixed with Various Percentages of Bottom Ash. *The Electronic Journal of Geotechnical Engineering (EJGE) Vol. 16/H 2011. pp 841-850*
5. Awang, A.R., **Marto, A.** and Makhtar, A.M. (2011) Geotechnical Properties of Tanjung Bin Coal Ash Mixtures for Backfill Materials in Embankment Construction *The Electronic Journal of Geotechnical Engineering (EJGE) Vol. 16/L 2011. pp1515-1531*
6. Adnan, A, Hendriyawan, **Marto, A.**, and Irsyam, M. (2011) Development of Attenuation Relationship for Far Field Earthquakes Caused by Dip Slip Mechanism for the Application of Sumatran Earthquake Effects to the Peninsular Malaysia. *Journal of Earthquake Engineering (JEE) (Under Review)*
7. Hasan, M., **Marto, A.**, Hyodo, M. and Makhtar, A.M. (2011) The Strength of Soft Clay Reinforced with Singular and Group Bottom Ash Column *The Electronic Journal of Geotechnical Engineering (EJGE) Vol. 16/N 2011. pp1215-1227*
8. Hajihassani, M., **Marto, A.**, Namazi, E, Nezhad, S.V.A and Shahrababaki, M.K. (2011) Prediction of Surface Settlements Induced by NATM Tunnelling Based on Artificial Neural Networks *The Electronic Journal of Geotechnical Engineering (EJGE) Vol. 16/S 2011. pp1471-1480*
9. **Marto, A.** and Tan, C.S. (2012) Short Review on Liquefaction Susceptibility. *International Journal of Engineering Research and Applications (IJERA)*. Vol. 2, Issue 3, May-Jun 2012, pp 2115-2119. ISSN :2248-9622.
10. **Marto, A.**, Hajihassani, M., Kalatehjari, R., Namazi, E. and Sohaei, H. (2012) Simulation of Longitudinal Surface Settlement Due to Tunneling Using Artificial Neural Network. *International Review on Modelling and Simulations (I.RE.MO.S)*. 5(2), pp.1024-1031.
11. Awang, A.R., **Marto, A.** and Makhtar, A.M. (2012) Morphological and Strength Properties of Tanjung Bin Coal Ash Mixtures for Application in Civil Engineering Work. *International Journal on Advance Science & Information Technology*. Vol. 2, Issue 2, pp 55-62
12. Latifi, N., **Marto, A.** and Khari, M. (2012) Monitoring Results of Alborz Earth Dam During Construction. *The Electronic Journal of Geotechnical Engineering (EJGE) Vol. 17/S, pp 2474-2484. Scopus Index.*
13. **Marto, A.**, Latifi, N., Kholghifard. M.M.J., Alimohammadi, P., Banadaki, A.D. (2012) Foundation Size Effect on Modulus of Subgrade Reaction on Sandy Soils. *The Electronic Journal of Geotechnical Engineering (EJGE) Vol. 17/S, pp 2523-2530. Scopus Index.*
14. Mohamad, E.T., Hajihassani, M. D. Jahed Armaghani and **Marto, A.** (2012) Simulation of Blasting- Induced Air Overpressure by Means of Artificial Neural Networks. *International Review on Modelling and Simulations (I.RE.MO.S)*. Vol. 5, pp 2501-2506. Scopus Index.
15. Marto, A., Othman, B.A., Kasim, F., and Bakar, I. (2012) Comparison of Field Performance between Bamboo-Geotextile Composite Embankment and High Strength Geotextile Embankment. *Advanced Materials Research*.587, pp 77-80. Scopus Index.

16. Mohamad, E.D., Latifi, N., **Marto, A.**, Moradi, R., Seyed Vahid Alavi Nezhad Khalil Abad. (2013) Effects of Relative Density on Shear Strength Characteristics of Sand-Tire Chips Mixture. *The Electronic Journal of Geotechnical Engineering (EJGE)*. Vol. 18/D, pp 624-632. Scopus Index.
17. **Marto, A.**, Latifi, N., Moradi, R., Oghabi, M., Zolfeghari, S.Y. (2013) Shear Properties of Sand-Tire Chips Mixtures. *The Electronic Journal of Geotechnical Engineering (EJGE)*. Vol. 18/B pp 325-334. Scopus Index.
18. **Marto, A.**, Latifi, N. and Sohaei, H. (2013) Stabilization of Laterite Soil using GKS Soil Stabilizer. *The Electronic Journal of Geotechnical Engineering (EJGE)*. Vol. 18/C, pp 521-532. Scopus Index.
19. **Marto, A.**, Tan, C.S., Kasim, F., Suhatri, M. (2013) A Correlation of Shear Wave Velocity and Standard Penetration Resistance. *The Electronic Journal of Geotechnical Engineering (EJGE)*. Vol. 18/C, pp 463-471. Scopus index.
20. **Marto, A.**, Moradi, R., Helmi, F., Latifi, N., Oghabi, M. (2013) Performance Analysis of Reinforced Stone Columns using Finite Element Method. *The Electronic Journal of Geotechnical Engineering (EJGE)*. Vol. 18/B, pp 315-323. Scopus Index.
21. **Marto, A.**, Hajihassani, M., Mohamad, E.T., Armaghani, D.J., and Faizi, K. (2013) A Simulation Approach to Predict Blasting-Induced Flyrock and Size of Thrown Rocks. *The Electronic Journal of Geotechnical Engineering (EJGE)*. Vol. 18/B, pp 365-374. Scopus index.
22. **Marto, A.**, Tan, C.S., Tiong, K.L., and Lie, S.T. (2013) The Role of Fines in Liquefaction Susceptibility of Sand Matrix Soils. *The Electronic Journal of Geotechnical Engineering (EJGE)*. Vol 18/L, pp 2355-2368. Scopus Index.
23. **Marto, A.**, Oghabi, M., and Eisazadeh, A. (2013) The Effect of Geogrid Reinforcement on Bearing Capacity Properties of Soil Under Static Load; A Review. *The Electronic Journal of Geotechnical Engineering (EJGE)*. Vol 18, 1881-1898. Scopus index.
24. **Marto, A.**, Tan, C.S., and Kasim, F. (2013) Liquefaction Potential of Soils at Iskandar Malaysia Region. *Caspian Journal of Applied Sciences Research*. pp, 400-406.
25. **Marto, A.**, Latifi, N., and Eisazadeh A. (2013). Structural Characteristics of Laterite Soil Treated by SH-85 and TX-85 (Non-Traditional) Stabilizers. *Electronic Journal of Geotechnical Engineering (EJGE)*. Vol. 18 (H), pp 1707-1718.
26. **Marto, A.**, Oghabi, M., and Eisazadeh, A. (2013). The Effect Geogrid Reinforcement Bearing Capacity Properties of Soil Under Static Load ; A Review. Vol. 18 (J), pp 1881-1898.

National

1. **Aminaton Marto** dan Chin Shu Ying (1989) Pressuremeter - An Introduction (Faculty of Civil Engineering Journal, Jld. 3 Bil. 1, 34-45, 1989)
2. **Aminaton Marto** (1996) Critical State of Keuper Marl Silt (Faculty of Civil Engineering Journal, Jld. 9 Bil 2, 1996)
3. **Aminaton Marto** (1998) Pore Pressure Response of Undrained Two-Way Cyclic Loading of Keuper Marl Silt (Faculty of Civil Engineering Journal, Jld. 11 Bil 1, 1998)
4. **Aminaton Marto**, Fauziah Kasim dan Khairul Nizar Yusuf (2002) Mineralogy, Microstructure and Chemical Composition of Laterite Residual Soil of Peninsular Malaysia (Faculty of Civil Engineering Journal, Vol 14, No 1, 2002, pp 1-17)

5. Fauziah Kasim, **Aminaton Marto**, Mohd Zain Yusuf dan Mohd Khatta Marwah (2002) Determination of Height at Failure for Muar Trial Embankment (Faculty of Civil Engineering Journal, Vol 14, No 2, 2002, pp 1-13)
6. **Marto, A**, Kassim, K, Hj Yusuf, M.Z. and Mohd Yusuf, F. (2004) Ciri-ciri Kejuruteraan Tanah Baki Granit Di Semenanjung Malaysia (Faculty of Civil Engineering Journal, Vol.16, No.2, 2004, pp 1-14)
7. Hendriyawan, Adnan, A, **Marto, A** and Irsyam, M. (2005) Seismic Hazard Assessment for Peninsular Malaysia Using Gumbel Distribution Method (Jurnal Teknologi, Penerbit, Universiti Teknologi Malaysia. 42(B) Jun 2005)
8. Hasan, M, Abdullah, A and **Marto, A**. (2010) The Corelations and Properties of Soft Clay from Temerloh, Pahang Journal of Engineering and Technology (JET), UTeM, UTHM, UNIMAP & UMP Pp 63-74, ISSN:2080-3811 Vol 1. No 1, Jan-Jun 2010
9. **Marto, A**, Adnan, A, Hendriyawan and Irsyam, M. (2011) Microzonation Maps for Kuala Lumpur and Putrajaya. Malaysian Journal of Civil Engineering,, Vol. 23, Issue 1, pg. 63-85

Seminar/Conference

International

1. Clarke, B.G. and **Aminaton Marto** (1992) The Interpretation of Pressuremeter Tests in Clays to Produce Parameters for Design *International Conference on Geotechnical Engineering – GEOTROPIKA '92, Johor, Malaysia*
2. **Aminaton Marto** (1994) Cyclic Loading of Silt *Civil Engineering Seminar, Univ. of Bradford, UK*
3. **Aminaton Marto** (1995) Recompression Settlement of a Silt Applicable to Offshore Structures and Earthquakes *Civil Engineering Seminar, Univ. of Bradford, UK*
4. **Aminaton Marto** (1996) Women in Civil Engineering in Malaysia 'Women into Engineering Week', *University of Bradford, UK*
5. Hyde, A.F.L, **Marto, A** and Yasuhara, K. (1997) Volumetric Compression of Periodically Loaded Silt *International Symposium on Deformation and Progressive Failure in Geomechanics, Nagoya, JAPAN*
6. **Aminaton Marto** (1997) Pore Pressure Model of Undrained Two-Way Cyclic Loading of Silt *International Conference on Geotechnical Engineering - GEOTROPIKA '97, Johor, Malaysia*
7. **Marto, A** and Khatib, A (1999) The Performance of Ribbed Raft Foundation Models in Clay Soil *5th International Conference on Geotechnical Engineering, GEOTROPIKA '99, Johor Bahru, Malaysia, 22-24 Nov. 1999*
8. **Marto, A** and Novrial (1999) The Effect of Lime-Soil Cylinders on Laterite Slope Model *5th International Conference on Geotechnical Engineering, GEOTROPIKA '99, Johor Bahru, Malaysia, 22-24 Nov. 1999*
9. **Marto, A** and Novrial (2000) Lime-Soil Cylinder Method for Stabilisation of Marginally Stable Slope, *4th Asia Pacific Structural Engineering and Construction (APSEC 2000), Kuala Lumpur, 13-15 September, 2000.*
10. **Marto, A.**, Hj. Yusuf, M.Z. and Khatib, A (2000) The Efficiency of Ribbed Raft Foundation Models in Cohesive Soil, *4th Asia Pacific Structural Engineering and Construction (APSEC 2000), Kuala Lumpur, 13-15 September, 2000.*

11. **Marto, A**, Kasim, F and Mohd Yusof, K. N (2001) The Chemical Compositions of Granitic Soils from Southern and Eastern Regions of Peninsular Malaysia, *6th Geotechnical Engineering Conference (GEOTROPIKA 01)*, Kuching, Sarawak, 5-7 November, 2001
12. **Marto, A**, Adnan, A and Tuan Norhayati, T.C. (2001) Deterministic Seismic Hazard Assessment for Klang Valley Considering Geotechnical Conditions, *6th Geotechnical Engineering Conference (GEOTROPIKA 01)*, Kuching, Sarawak, 5-7 November, 2001
13. Adnan, A., **Marto, A** And Tuan Norhayati, T.C. (2003) Seismic Response and Vulnerability of Housing Construction Type and in Klang Valley Area, *Structural Engineer World Congress 2002 (SEWC)*, Yokohama, Jepun, 9-12hb. Oktober, 2002
14. **Marto, A**, Kasim, F and Mohd Yusof, K.N (2002) Minerologi, Mikrostruktur dan Komposisi Kimia bagi Tanah Baki di Bahagian Utara Semenanjung Malaysia, *AWAM 2002, Star Cruise Superstar Gemini, Penang, 5-8 Feb 2002*
15. **Marto, A**, Haji Yusuf, K.N. (2002) Correlations of Chemical Composition and Mineralogy of Granitic Soil, *Malaysian Science and Technology Congress 2002, (MSTC 2002)*, 19-21 September, 2002, Johor Bahru, Johor
16. **Marto, A**, Kasim, F and Mineralogy, Mohd Yusof, K.N. (2002) Microfabric and Microstructure of Residual Soils at Eastern Region of Peninsular Malaysia *2nd World Engineering Congress 2002, 22-25 July, Kuching, Sarawak*
17. **Marto, A**, Kasim, F, Yusuf, M.F., and Mohd Yusof, K.N. (2002) Physical and Chemical Compositions of Residual Soils at Eastern Region of Peninsular Malaysia *2nd World Engineering Congress 2002, 22-25 July, Kuching, Sarawak*
18. **Marto, A**, Kasim, F, Ahmad Tajudin, S.A. and Mohd Yusof, K.N. (2002) Mineralogy and Index Properties of Tanjung Karang Soft Clay Soils of Peninsular Malaysia, *2nd World Engineering Congress 2002, 22-25 July, Kuching, Sarawak*
19. Adnan, A, **Marto, A** and Tuan Chik, T.N. Seismic Hazard Assessment for Klang Valley (2002) *2nd World Engineering Congress 2002, 22-25 July, Kuching, Sarawak*
20. Kasim, F, **Marto, A.**, Yusuf, M.Z., Marwah, M.K, and Wong, S.F. (2003) Current Conditions and Simulation Modelling of Muar Trial Embankment, *Proc. Int. Conference on Soft Soil Engineering and Technology (ASSET2)*, Putrajaya, 2-4 July 2003, pp.221-235
21. **Marto, A**, Kasim, F and Yusuf, M.F. (2003) Correlations of Engineering Properties of Residual Soils for Design Purposes, *Proc. 5th Asia Pacific Structural Engineering and Construction Conference (APSEC 2003)*, Johor Bahru, 26-28 August 2003 pp. 539-548
22. Adnan, A, **Marto, A** and Hedriyawan (2003) The Effect of Sumatra Earthquake to Peninsular Malaysia *Proc. 5th Asia Pacific Structural Engineering and Construction Conference (APSEC 2003)*, Johor Bahru, 26-28 August 2003 pp. 409-420
23. **Marto, A.**, Hj. Yusuf, M.Z. and Khatib, A. (2004) Bearing Capacity of Soft Soil Overlaid by Granular Material Reinforced with Bending Material at the Interface *Malaysian Science and Technology Congress 2004 (MSTC 2004)*, 5-7 October 2004, Palace of the Golden Horses, Selangor.
24. Adnan, A, Hendriyawan, and **Marto, A.** Selection and Development of Appropriate Attenuation Relationship for Peninsular Malaysia. (2004)

25. **Marto A**, Hj. Yusuf, M.Z., Khatib, A and Awang, A.R. (2005) The Performance of Bamboo-Geotextile Reinforced Soft Clay Overlaid by Granular soil, *Proc. 3rd Int. Conference on Geotechnical Engineering, Semarang, Indonesia, 3-5 August, 2005*
26. **Marto A**, Hj. Yusuf M.Z. and Khatib, A. (2005) Grid Method to Improve the Bearing Capacity of Sub-Grade Soil, *Proc. 3rd Int. Conference on Geotechnical Engineering, Semarang, Indonesia, 3-5 August, 2005*
27. Mohd Yusuf, K.N. **Marto, A**, and A.B Zaradiah (2005) Some Index Properties, Microstructure and Minerology of Granitic Residuals Soil in Southern Peninsular Malaysia *Brunei International Conference on Engineering and Technology 2005 Brunei 15-18hb. Ogos, 2005*
28. Adnan, A, Hendriyawan, **Marto, A**, and Irsyam, M. (2006) Development of Synthetic Time Histories at Bedrock for Kuala Lumpur. *Proceeding on Asia Pacific Structural Engineering and Construction Conference (APSEC). Kuala Lumpur, Malaysia. 5-6 September 2006.*
29. Adnan, A, Hendriyawan, **Marto, A**, and Irsyam, M. (2006) Development of Seismic Hazard Map for Peninsular Malaysia. *Proceeding on Malaysian Science and Technology Congress (MSTC), PWTC Kuala Lumpur, Malaysia. 18-26 September 2006.*
30. Adnan, A, Hendriyawan, **Marto, A**, and Irsyam, M. (2007) Development of Microzonation Maps for Kuala Lumpur City Center *5th International Conference on Seismology and Earthquake Engineering (SEE-5) Tehran, Iran, 13-16 May 2007*
31. **Marto, A**, Adnan, A, Hendriyawan and Irsyam, M. (2007) Microzonation Study for Putrajaya, Malaysia *1st Sri Lankan Geotechnical Society(SLGS), International Conference on Soil and Rock Engineering, 6-11 August 2007, Colombo, Sri Lanka*
32. **Marto, A**., Kassim, K.A. and Muhardi and Lane, P. (2008) Parametric Study of stress-Strain Behaviour of Fly Ash infinite Element Modeling *International Conference on Geotechnical and Highway Engineering, Kuala Lumpur, 25-26 August 2008*
33. **Marto, A**, Khatib, A and Hasbi, B.H. (2008) Bearing Capacity of Footings on Bamboo-Geotextile Composite Reinforced Soft Clay *International Conference on Geotechnical and Highway Engineering, Kuala Lumpur, 25-26 August 2008*
34. Hasan, M., **Marto, A**. and Abdullah, A. (2008) The Correlations of Engineering Characteristics of Johor Coastal Clay. *International Conference on Civil Engineering (ICCE 2008). Kuantan, Pahang, Malaysia. 12-14 May 2008.*
35. Abdullah, A., **Marto, A**. & Hasan, M. (2008) Back Analysis of Failed Slope and The Remedial Measures. *Procs. International Conference on Civil Engineering. International Conference on Civil Engineering (ICCE 2008). 12-14 May 2008, Kuantan, Pahang, Malaysia.*
36. Muhardi, **Marto, A**., Craig, W. and Kassim, K.A. (2008) Geotechnical Centrifuge Physical Model of Reinforced Clay Slope *International Graduate Conference on Science and Engineering, 23-24 December, 2008, UTM Skudai, Johor*
37. **Marto, A**, Makhtar, A.M., Lee, F.W., Yap, S.L. and Muhardi (2009) Morphology, Mineralogy and Physical Characteristics of Tanjung Bin Coal Ash *4th International Conference on Recent Advances in Materials, Minerals and Environment AND 2nd Asian Symposium on Materials and Processing (RAMM & ASMP 2009), Penang, 1-3 June 2009*
38. **Marto, A**, Kassim, K.A., Makhtar, A.M. Physical Modelling of Fly Ash Embankment in Mini-Geotechnical

- Yaacob, Z.W.,Muhardi, Lee,F.W. and Yap,S.L. (2009) Centrifuge
International Conference on Sustainability in Civil Engineering (SIBE'09), Institute Technology Bandung, Indonesia, November, 2009.
39. Farshi, I., Jorat, M.E. and **Marto, A** (2010) Steel Frame with Concrete Panel : An Innovation in the Construction of Retaining.
World Engineering Congress (WEC) 2010, 2nd-5th August 2010 Kuching, Sarawak, Conference on Engineering and Technology Education.
40. **Marto, A.**, Makhtar., A.M., and Khatib, A. (2010) Bearing Capacity of Granular Soil overlying Soft Clay Reinforced with Bamboo-Geotextile Composite at the Interface, *6th Int. Conference on Innovation in Architecture, Engineering and Construction (AEC), Penn-State University, USA, 9-11 June 2010*
41. Muhardi, **Marto, A.**, Kassim, K.A., Makhtar, A.M. and Yaacob, W.Z. (2010) The Effect of Time on the Performance of Fly Ash as Backfill Materials for Embankment Construction , *6th Int. Conf. on Innovation in Architecture, Engineering and Construction (AEC), Penn-State University, USA, 9-11 June 2010*
42. **Marto, A.**, Othman, B.A., Mohd Hanipiah, M.Z. and Hirman, H. (2010) Performance of Bamboo-Geotextile Composite Reinforced Embankment on Soft Clay,
3rd International Graduate Conference on Engineering, Science and Humanities, 2010 (IGCESH 2010) Universiti Teknologi Malaysia, Johor Bahru, Malaysia. 2-4 November 2010. ID-171
43. **Marto, A.**, Ismail, B.N., Bakar, I. and Othman, B.A. (2010) 2D Finite Element Analysis of Bamboo Reinforced Embankment.
International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 2010). The Pacific Sutera, Sutera Harbour, Kota Kinabalu, Sabah, Malaysia. 1st -3rd December 2010. ID 187.
44. **Marto, A.**, Awang, A.R., Makhtar, A.M., Lee, F.W., Yap, S.L. (2010). Geotechnical Properties of Tanjung Bin Coal Ash.
3rd International Graduate Conference on Engineering, Science and Humanities, 2010 (IGCESH 2010) Universiti Teknologi Malaysia, Johor Bahru, Malaysia. 2-4 November 2010.
45. **Marto,A.**, Lee, F.W., Makhtar, A.M. and Awang, A.R. (2010) Morphology, Mineralogy and Engineering Characteristic of Tanjung Bin Bottom Ash.
International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 2010). The Pacific Sutera, Sutera Harbour, Kota Kinabalu, Sabah, Malaysia. 1st -3rd December 2010.
46. Hasan, M, **Marto, A**, and Ma'amor, N. N. (2010) The Correlations and Soil Properties Analysis of Maran, Pahang.
International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 2010). The Pacific Sutera, Sutera Harbour, Kota Kinabalu, Sabah, Malaysia. 1st -3rd December 2010
47. Lee, F.W., **Marto, A.**, Makhtar, A.M., and Tey, K.H. (2010) Characterization of Tanjung Bin Bottom Ash.
International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 2010). The Pacific Sutera, Sutera Harbour, Kota Kinabalu, Sabah, Malaysia. 1st -3rd December 2010
48. Hajihassani, M., **Marto, A.**, Hisham, M., and Namazi, E (2010) Prediction of Surface Settlement Based on the Analysis of Soil Movement Pattern around the Tunnels.
International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 2010). The Pacific Sutera, Sutera Harbour, Kota Kinabalu, Sabah, Malaysia. 1st -3rd December 2010
49. Jorat, M.E., Farshi, I.,**Marto, A** and Kasim, F. (2010) Modelling The Deformation of Steel Frame With Concrete panel: A Case Study in Iran
International Conference on Geotechnical and Highway Engineering

- (*GEOTROPIKA 2010*). *The Pacific Sutera, Sutera Harbour, Kota Kinabalu, Sabah, Malaysia. 1st -3rd December 2010*
50. Strength Characteristics of Kaolin mixed with Bottom Ash
Jorat, M.E., **Marto, A** and Farshi, I. (2010)
International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 2010). The Pacific Sutera, Sutera Harbour, Kota Kinabalu, Sabah, Malaysia. 1st -3rd December 2010
 51. Engineering Characteristics of kaolin mixed with bottom ash
Jorat, M.E. and **Marto, A** (2010)
International Conference on Geotechnical and Highway Engineering (GEOTROPIKA 2010). The Pacific Sutera, Sutera Harbour, Kota Kinabalu, Sabah, Malaysia. 1st -3rd December 2010
 60. Anwar Khatib and **Aminaton Marto** (2011)
Bearing Capacity of Granular Soil Overlying Soft Clay Reinforced with Bamboo-Geotextile Composite. *Pertemuan Ilmiah Tahunan (PIT) XIV HIMPUNAN AHLI TEKNIK TANAH INDONESIA (HATTI) ISBN No 978-979-96668-8-8. Hotel Melia Purosani, Yogyakarta, Indonesia. 10-11 Februari 2011.*
 61. Hajihassani, M., Namazi, E., **Marto, A.** and Hisham, M. (2011)
Effects of Pile Geometry on Tunnels.
International Conference and Exhibition on Tunnelling and Trenchless Technology. Selangor, Malaysia. 1-3 March 2011
 62. Namazi, E., Hajihassani, M., Hisham, M. and **Marto, A** (2011)
Influence of Existing Loaded Piles on Tunnels.
1st International Congress on Tunnels and Underground Structures in South-East Europe "USING UNDERGROUND SPACE". Dobrovnik, Croatia. 7-9 April 2011
 63. **Marto, A.**, Awang, A.R., and Makhtar, A.M., (2011).
Compaction Characteristics and Permeability of Tanjung Bin Coal Ash Mixtures.
2011 International Conference on Environment Science and Engineering (ICESE 2011). April 1-3, 2011, Bali Island, Indonesia. Published at, 2011 International Conference on Environment Science and Engineering IPCBEE vol.8 (2011) © (2011) IACSIT Press, Singapore
 64. **Marto, A.** and Othman, B.A. (2011)
The Potential Use of Bamboo as Green Material for Soft Clay Reinforcement System.
2011 International Conference on Environment Science and Engineering (ICESE 2011). April 1-3, 2011, Bali Island, Indonesia. Published at, 2011 International Conference on Environment Science and Engineering IPCBEE vol.8 (2011) © (2011) IACSIT Press, Singapore
 65. Hasan, M. , **Marto, A.**, Hyodo, M. and Makhtar, A. M. (2011)
The Strength of Very Soft Clay Reinforced with Singular Bottom Ash Column.
International Conference on Advance Geotechnical Engineering (ICAGE 2011). Perth, Australia. 7-9 November 2011.
 66. **Marto, A.**, Awang, A.R. and Makhtar, A.M (2011)
Compaction and Physical Characteristics of Tanjung Bin Coal Ash Mixtures
International Conference on Advance Geotechnical Engineering (ICAGE 2011). Perth, Australia. 7-9 November 2011. (Paper 520)
 67. Kasim, F., **Marto, A.** and Othman, B.A. (2011)
Numerical Analysis of Bamboo-Geotextile Composite Reinforced Embankment on Soft Clay.
International Conference on Advance Geotechnical Engineering (ICAGE 2011). Perth, Australia. 7-9 November 2011. (Paper 530)
 68. Sohaei, H., Hajihassani, M., and **Marto, A.** (2011)
Influence of Construction Stages on Surface Settlement in NATM Tunnelling
The 3rd International Conference European Asian Civil Engineering Forum 20-22 September 2011, Yogyakarta, Indonesia.

69. Awang, A.R., **Marto, A.**, and Makhtar, A.R. (2011) Morphological and Strength Properties of Tanjung Bin Coal Ash Mixtures for Application in Geotechnical Engineering Work. *The 2nd International Conference on Advanced Science, Engineering and Information Technology (2nd ICASEIT 2011)*
70. Latifi, N and **Marto, A.** (2011) Monitoring of Alborz Earth Dam During the Construction. *International Conference on Advances in Civil Engineering (ACE-2011) 21st to 23rd, October, 2011 at KL University, Koneru Lakshmaiah Education Foundation, Guntur, Andhra Pradesh, INDIA.*
71. Hajihassani, M. and **Marto, A.** (2012) Neural Network Approach Compared to Finite Element Technique for Surface Settlement Prediction Induced by Tunnelling. *10th International Congress on Advances in Civil Engineering (ACE 2012)*. Ankara. 17-19 October 2012 – Accepted for Presentation
72. **Marto, A.**, Tan, C. S. and Kasim, F. (2012) Liquefaction Potential of Soils at Iskandar Malaysia Region. *AWAM International Conferences on Civil Engineering '12(AICCE'12) and Geohazard Information Zonation '12(GIZ'12)*. Penang, Malaysia, 28-30 August, 2012. - Accepted for Presentation
73. Kasim, F., **Marto, A.**, Othman, B.A., and Bakar, I. (2012) Settlement Behavior of Embankment Reinforced with High Strength Geotextile at the Interface. 2012 International Conference on Agricultural, Food and Biological Engineering. May 11-13, 2012, Guangzhou, China. Accepted publish in Advanced Science Letter (IF:1.253).
74. **Marto, A.**, Othman, B.A., Kasim, F., and Bakar, I. (2012) Comparison of Field Performance between Bamboo-Geotextile Composite Embankment and High Strength Geotextile Embankment. 2012 International Conference on Civil Engineering and Materials ICCEM 2012. July 7-8, 2012, London. Accepted publish in Advanced Materials Research Journal (ISSN: 1022-6680). Scopus Index.
75. **Marto, A.**, Azali, A.R., Awang, A.R. (2012) Variation of CBR Values and Compressibility Characteristics of Fly Ash-Bottom Mixtures with Curing Periods. *ICTSS- International Science and Technology Conference.*
76. **Marto, A.**, Kasim, F., Othman, B.A., Bakar, I., Othman, M.F. (2013) Simulation of safe Height Embankment on Soft Ground using Plaxis. *ISTEC 2012 International Science and Technology Conference.*
77. **Marto, A.**, Hassan, M.A., Makhtar, A.M., Othman, B.A. (2013) Shear Strength Improvement of Soft Clay Mixed with Tanjung Bin Coal Ash. *International Conference Environment Science Development (ICESD 2013)*. Jan 19-20.
78. **Marto, A.**, Hajihassani, M., Sohaei, H., and Kasim, F. (2013) Artificial Neural Networks Compared to Finite Element Technique for Prediction of Longitudinal Surface Settlement Induced by NATM Tunneling. *International Structural Engineering and Construction Society (ISEC-72013)*. June 18-23.
79. **Marto, A.**, Sohaei, H., Hajihassani, M., and Namazi, E. (2013) Predicting the Effect of Excavation Sequence on Ground Movements during NATM Tunneling using Finite Element Method. *International Structural Engineering and Construction Society (ISEC-72013)*. June 18-23.
80. **Marto, A.**, Tan, C.S., Kasim, F., and M, Yunus, N. Z. (2013) Seismic Impact in Peninsular Malaysia. *The 5th International Geotechnical Symposium-Incheon, 22-24, May 2013.*
81. **Marto, A.**, Tan, C.S., and Esa, N.N. (2013) Liquefaction Potential Criteria of Nusajaya City Based on Deterministic and Probabilistic Method. *The 9th International Conference on Geotechnical and Transportation Engineering Geotropika 2013 (GEOCON 28-30, October 2013)*

82. **Marto, A.,** Latifi, N. Eisazadeh, A. (2013) Engineering Properties of Laterite Soil Stabilized with Hydrate Emulsion. *The 9th International Conference on Geotechnical and Transportation Engineering Geotropika 2013 (GEOCON 28-30, October 2013)*
83. **Marto, A.,** Latifi, N. Eisazadeh, A. (2013) Measured Effects Non-Traditional Soil Stabilizers on Engineering Properties of Tropical Laterite Soil . *The 9th International Conference on Geotechnical and Transportation Engineering Geotropika 2013 (GEOCON 28-30, October 2013)*
84. **Marto, A.,** Jusoh, S.N., and Mohamad, H. (2013) Fundamental Behavior of Jointed Segmental Tunnel Lining: A Review of Current State of Research . *The 9th International Conference on Geotechnical and Transportation Engineering Geotropika 2013 (GEOCON 28-30, October 2013)*
84. Yusof K. N. M, and **Marto, A.** (2013) Implementation Of Electro-Osmotic Consolidation Test Through laboratory Approach. *The 9th International Conference on Geotechnical and Transportation Engineering Geotropika 2013 (GEOCON 28-30, October 2013)*

National & University.

1. **Aminaton Marto** (1989) Reinforced Earth
Civil Engineering Seminar, UTM
2. **Aminaton Marto** (1988) Pressuremeter – Its Role in Site Investigation Work
Civil Engineering Seminar, UTM
3. **Aminaton Marto** (1997) Volumetric Strain of a Silt under Periodic Loading
Expertise Presentation, Department of Geotechnics and Transportation, FKA, UTM
4. **Aminaton Marto** and Novrial (1999) Slope Stabilisation Using Lime-Soil Cylinders
Research Seminar on Construction, Material & Environmental Technology, UTM Skudai
5. **Aminaton Marto** (1999) Consolidation Tests and Interpretation
Short Course on Soil Investigation and Design for Slope, SCOFG' 99, 11-12 May 1999, Kuala Lumpur
6. **Aminaton Marto** and Anwar Khatib (1999) Bearing Capacity of Ribbed Raft Foundation
Discovery Research and Innovations in UTM
7. **Aminaton Marto** and Novrial (1999) Slope Stabilisation using Lime-Soil Cylinders
Buletin, Fakulti Kejuruteraan Awam
8. **Aminaton Marto** and Anwar Khatib (1999) Bearing Capacity of Ribbed Raft Foundation
Buletin, Fakulti Kejuruteraan Awam
9. **Aminaton Marto** (2000) The Importance of Geotechnical Engineering Knowledge and Experience in Construction Industry
Civil Engineering Seminar, SEMKA 2000, 4-5 March, UTM, Skudai
10. **Aminaton Marto** (2000) An Overview of Slope Stability Problems and Slope Stabilisation Methods,
Civil Engineering Seminar, SEMKA 2000, 20-21 May 2000, UTM, Skudai
11. **Aminaton Marto** (2000) Geotechnical Aspects of the Marine Environment,
Workshop on Strategies in the Design and Development of a Composite

12. **Aminaton Marto**, Fauziah Kasim and Khairul Nizar Yusof (2001) Mineralogy and Microstructure of Residual Soils of Peninsular Malaysia, *Seminar on Construction, UTM, Skudai, 12-13 September 2001.*
13. **Marto, A**, Adnan, A., Tuan Norhayati and Bahiah (2001) Seismic Vulnerability of Housing Construction Type In Klang Valley Area, *Seminar on Construction, UTM, Skudai, 12-13 September 2001.*
14. **Marto, A**, Kasim, F and Yusof, M.F. (2002) Engineering Characteristics of Residual Granite Soils of Southern Peninsular Malaysia, *Seminar on Construction, UTM, Skudai, 29-30 October 2002.*
15. **Marto, A**, Kasim, F and Mohd Yusof, K.N. (2002) Mineralogy, Microstructure and Chemical Compositions of Granitic Soil at Central Regions of Peninsular Malaysia, *Seminar on Construction, UTM, Skudai, 29-30 October 2002.*
16. **Marto, A.**, Hj. Yusuf, M.Z. and Khatib, A. (2004) Reaction of Soft Soil Overlaid by Granular Material with Interfacial Reinforcement, *Civil Engineering Research Seminar (SEPKA 2004), 1-2 September 2004, Universiti Teknologi Malaysia*
17. Hendriyawan, Adnan, A and **Marto, A** (2004) Overview of Seismic Hazard Study in Malaysia, *Civil Engineering Research Seminar (SEPKA 2004), 1-2 September 2004, Universiti Teknologi Malaysia*
18. **Marto, A.**, Hj. Yusuf, M.Z. & Khatib, A. (2005) Bearing Capacity of Soil Overlaid by Sand with Interfacial Bamboo-Geotextile Composite Reinforcement, *Seminar Kejuruteraan Awam, Sofitel Palm Resort, Johor, 5-6 July 2005.*
19. Hendriyawan, Adnan, A, **Marto, A.**, and Irsyam, M.,(2005) The Development of Software For Seismic Hazard Study” *Seminar Kejuruteraan Awam, Sofitel Palm Resort, Johor, 5-6 July 2005.*
20. **Marto, A.**, Hj. Yusuf, M.Z., Khatib, A. and Hasbi, B. (2006) Bearing Capacity of Soft Soil Reinforced with Chevron Pattern Bamboo-Geotextile Composite *National Seminar on Civil Engineering Research (SEPKA 2006), 19-20 December 2006, Rumah Alumni, Universiti Teknologi Malaysia*
21. Adnan, A, Hendriyawan, **Marto, A** and Selvanayagam, B. (2007) Development of Seismic Hazard Maps Of East Malaysia, *Persidangan Kebangsaan AWAM'07, 29 - 31 Mei 2007, Hotel Helang, Pulau Langkawi, Kedah*
22. Marto, A., Kassim, K.A. and Muhandi (2007) Application of Stress-Strain Behaviour of Fly Ash in Finite Element Method *Civil Engineering Research Seminar (SEPKA 2007), 11-12 December, 2007, Universiti Teknologi Malaysia*
23. Othman B.A., **Marto, A.**, Kasim, F., Bakar, I. and Mohd Hanipiah, M.Z. (2011) The Performance of Embankment Reinforced with High Strength Geotextile on Soft Clay *(SEPKA 2011) National Seminar on Civil Engineering Research, 13-15 September 2011*
24. **Marto, A.**, Awang, A.R., Makhtar, A.R, and Misbari, H. (2011) Physical Characteristics and Geotechnical Properties of Fly Ash-Bottom Ash (FA-BA) Mixtures for Backfill Material in Geotechnical Engineering Work *(SEPKA 2011) National Seminar on Civil Engineering Research, 13-15 September 2011*
25. Hasan, M., **Marto, A.**, Mahir, A.M., and Mohammad Fadzil, M.M. (2011) Strength of Soft Soil Reinforced with Group of Bottom Ash Columns *(SEPKA 2011) National Seminar on Civil Engineering Research, 13-15 September 2011*

26. Hajihassani, M., and **Marto, A.** (2011) Effects of Geological Conditions on Surface Settlement Due to Tunneling in Soft Soils
National Geoscience Conference, 11-12 June 2011, Johor Bahru, Malaysia

Thesis / Dissertation / Report

1. **Aminaton Marto** (1983) The Behaviour and Performance of Bored Piles
(Thesis, Bachelor of Civil Engineering, Universiti Teknologi Malaysia)
2. **Aminaton Marto** (1986) The Consolidation Characteristics of An Unsaturated Compacted Clay
(Dissertation, Post-Graduate Diploma in Geotechnical Eng., University of Newcastle upon Tyne, England)
3. **Aminaton Marto** (1987) An Analysis and Comparison of the Results from Self-Boring Pressuremeter with other Tests on London Clay
(Dissertation, Masters of Science, University of Newcastle upon Tyne, England)
- Winner of Soil Mechanics Ltd. UK. Awards
4. **Aminaton Marto** (1996) Volumetric Compression of a Silt Under Periodic Loading
(Thesis, Doctor of Philosophy, University of Bradford, Bradford, England)
5. **Aminaton Marto** (1997) Macro Environmental Impact Assessment for the Kedah Coastal Reclamation
(Chapter 8, Vol. 1, October 1997 – Report submitted to the Kedah State Government for the Construction of North International Airport)
6. **Aminaton Marto** (2000) Bearing Capacity of Ribbed Raft Foundation
(Final Report to Research Management Centre, UTM)
7. **Aminaton Marto** (2001) Remedial Measures for Cut Slope
(Final Report to Research Management Centre, UTM)
8. **Aminaton Marto** and Fauziah Kasim (2006) Characterisation of Malaysian Residual Soil for Geotechnical and Construction Engineering
(Final Report to Research Management Centre, UTM)
9. **Aminaton Marto** and Fauziah Kasim (2007) Performance Characteristics of Embankment on Soft Ground
(Final Report to Research Management Centre, UTM)
10. Fauziah Kasim and **Aminaton Marto** (2007) The Grid Mat Method to Increase Bearing Capacity of Subgrade Soil
(Final Report to Research Management Centre, UTM)

Monographs / Modules

1. **Aminaton Marto**, Shariff Omar, Roslan Abd. Rahman, Zubaidah Awang, Yudariah Mohd Yusof dan Roselaineey Abd. Rahman, (2003)
Modul Kursus Pembangunan Profesional & Kursus Tahap Kecekapan 3 -PTK3, UTM,
2. **Aminaton Marto**, Yudariah Mohd Yusof, Aziz Nordin, Roslan Abd. Rahman, Ong Chee Tiong dan Roselaineey Abd Rahman, (2005)
Kursus Taksiran Dalam Pembelajaran, CTL, UTM,
3. **Aminaton Marto** dan Abd Latif Saleh, (2002)
Laboratory Quality Manual (LQM),

Civil Engineering Testing Unit, UTM,

4. **Aminaton Marto** dan Fauziah Kassim, (2002)
Laboratory Working Instruction (LWI),
Civil Engineering Testing Unit, UTM,
5. **Aminaton Marto** dan Abd Latif Saleh, (2002)
Laboratory Quality Prosedure (LQP),
Civil Engineering Testing Unit, UTM,
6. **Aminaton Marto** dan Nurly Gofar, (2001)
MAB 7013-Advanced Soil Properties and Behavior,
Faculty of Civil Engineering, UTM,
7. **Aminaton Marto**, Aziz Saim dan Ahmad Baharudin, (2002)
MAB 2033-Construction Technology,
Faculty of Civil Engineering, UTM,
8. **Aminaton Marto**, Abd. Latif, Mushairy Mustaffar dan Zaimi, (2005)
EAB 2153-Research Methodology,
Faculty of Civil Engineering, UTM,
9. **Aminaton Marto**, (2000)
SAM 5713/SAB 4713 - Rekabentuk Kejuruteraan Geoteknik,
Faculty of Civil Engineering, UTM,
10. **Aminaton Marto**, (2000)
SAM 4714-Geoteknik,
Faculty of Civil Engineering, UTM,

Bulletin

1. **Aminaton Marto** and Novrial (1999)
Slope Stabilisation using Lime-Soil Cylinders, Buletin, Fakulti Kejuruteraan Awam, UTM
2. **Aminaton Marto** and Anwar Khatib (1999)
Bearing Capacity of Ribbed Raft Foundation, Buletin, Fakulti Kejuruteraan Awam, UTM
3. **Aminaton Marto** and Anwar Khatib, (1999)
Bearing Capacity of Ribbed Raft Foundation, "Discovery Research and Innovations in UTM"

SHORT COURSE PAPERS / INVITED LECTURES

1. **Marto, A.** (1999) Consolidation Tests and Interpretation
Short Course on Soil Investigation and Design for Slope, SCOFG' 99, 11-12 May 1999, Kuala Lumpur
2. **Marto, A.,** Muhardi, Othman, B.A. Hanafiah, M.Z., Harman, H. and Rohman (2009) The Construction and Monitoring of Embankment on Soft Clay Reinforced with Bamboo at the Interface
IEM Short Course on Soft Clay Engineering (SSES'09), Pan Pacific Hotel, Johor Bahru, Johor, 30 July 2009
3. **Marto, A.** (2010) Challenges for Construction on Soft Clay : Introducing New Methods on Improvement of Soft Clay, *Kuliah Umum Program Studi Teknik Sipil, Fakultas Teknik Sipil, Universiti Islam Riau, Indonesia, 31 Julai, 2010.*

ASSESSOR (examples)

Thesis Examiner -PhD

1. Chosun, UTM, 2001
Thesis: "The Appraisal of short Pile Design Embedded in sand Experiencing Lateral Loading"
2. Pratikso, UTM, 2003
Thesis: "Behaviour of Enlarged Based Short Pile due to Uplift Pressure"
3. Kamarudin Ahmad, UTM, 2004
Thesis: "Improvement of Residual Soil by Electrokinetic Process"
4. Ng Wen Kuan , USM, 2011
Thesis: A Study on Soil/Pile Set-Up of Driven Pile in Clay
5. Ng Wen Kuan , USM, 2012 (Reviva)
Thesis: Soil/Pile Set-Up of Driven Pile in Clay
6. Esagh Namazi, UTM, 2012
Thesis:
7. Sadaf Qasim, UTP, 2013
Thesis:

Thesis Examiner – Masters

1. Basri Sharif, UTM, 2000
Thesis: "Ciri-Ciri Tanah Liat dengan Perparitan Tegak"
2. Mustafa Kamal Shamsuddin, UTM, 2004
Thesis: "Lime-Stabilised Subgrade Soil under Road Embankment"
3. Edayu Salleh, UKM, 2006
Thesis: "Prestasi Piezometer dalam Lempung Lembut"
4. Rufaizal Che Mamat, UTHM, 2012
Thesis: Engineering Properties of Batu Pahat Soft Clay Stabilised with Lime, Cement and Bentonite for Construction

Journal Paper (examples of the papers reviewed)

1. "Behaviour of Uplift Forces of Straight – Shafted Short Pile in Sand", *Jurnal Teknologi*, UTM, 1999
2. "Soil-Water Characteristic Curve and Seepage Flow in Unsaturated Soils", *Jurnal Teknologi*, UTM, 1999
3. "Foundation Failures and Problems", *Jurnal Kejuruteraan Awam*, Fakulti Kejuruteraan Awam, UTM, 1999
4. "Lime Stabilized Malaysian Cohesive Soils", *Jurnal Kejuruteraan Awam*, Fakulti Kejuruteraan Awam, UTM, 2000
5. "Consolidation Characteristics of Lime Stabilised Soil", *Jurnal Kejuruteraan Awam*, Fakulti Kejuruteraan Awam, UTM, 2000

6. "Some Characteristics of Lime Stabilised Malaysian Cohesive Soils", Jurnal Kejuruteraan Awam, Fakulti Kejuruteraan Awam, UTM, 2003
7. "PHs of Anolytes and Catholytes in Electrokinetic Processing", Jurnal Kejuruteraan Awam, Fakulti Kejuruteraan Awam, UTM, 2004
8. "Infiltration Characteristic of Unsaturated Residual Soils of Various Weathering Grades", Jurnal Teknologi, UTM, 2004
9. "Designing Wall with Reinforced Backfill for Grade Separated Section", Jurnal Kejuruteraan Awam, Fakulti Kejuruteraan Awam, UTM, 2006
10. "Transient Seepage and Slope Stability Analysis for Rainfall-Induced Landslide: A Case Study", Malaysian Journal of Civil Engineering 18(1):1-13, 2006 (for Paper Award in National journal for UTM Publication Award 2007).

PhD Proposals – SLAB Scholarship (*examples of the proposals reviewed*)

1. "Boundary Element Analysis of Soil", Nazri b. Ali, FKA, UTM, 2004
2. "Seepage Flow in Unsaturated Soils", Abdul Rashid, FKA, UTM, 2005
3. "Insulated Foundation for Structures in Temperate Climate", Muhammad Azril b. Hezmi, FKA, UTM, 2006

Academic Programme

1. A Panel Assessor for Lembaga Akreditasi Negara, Malaysia (now MQA) in Assessing for Minimum Requirement for executing a Diploma of Civil Engineering Programme, INTI College, Kuching, Sarawak.
2. A Panel Assessor (appointed by MQA) for Post-Graduate Research Programme in UNISEL

SEMINARS, COURSES AND WORKSHOPS:

Attended

1. Short Course on Construction Management, UTM, KL, 14-16 February 1985.
2. Workshop on 'Kurikulum Bersepadu Sekolah Menengah', UTM, KL, 8 April 1988.
3. One-Day Seminar on Project Evaluation using Computer, UTM, KL, 10 June 1988.
4. Course on 'ATS' for lecturers, UTM, KL, 6 July 1988.
5. Workshop on Super-Learning, UTM, KL, 10 January 1989.
6. Piletalk International Seminar, KL, 8-9 March 1989.
7. Short Course on Pascal, UTM, KL, 5-8 June 1989.
8. Workshop on Optimal Learning, UTM, Skudai, 13-16 November 1989.
9. Seminar on Geotextile - Solution to Problem Soils, UTM, Skudai, 25 January 1990.
10. Workshop on Book Translation, UTM, Skudai, 24-26 July 1990.
11. Short Course on Design Method of Embankments - An Improvised Approach, UTM, Skudai, 21-23 August 1990.
12. Seminar on Getting Things Done, Singapore, 18 February 1991.
13. Workshop on Counselling, UTM, Skudai, 8 January 1992.
14. Short Course on Engineering of Piled Foundation, Singapore, 13-14 February 1992.
15. Short Course on Foundation Engineering, UTM, Skudai, 24-25 April 1992.
16. Research Methodology Course, UTM, Skudai, 23 May - 9 June 1992.
17. Workshop on "How to Deal with Difficult People", Bradford, UK, 22-23 February 1993.
18. Academic Writing Course, Bradford, UK, 21-23 March 1994.
19. Seminar on Science and Technology Policy: Key Issues and Strategies, Kedah, 9-12 March 1997.
20. One-Day Seminar on Pile Testing and Performance, UTM, Skudai, 15 May 1997.
21. Conference on Science and Technology Education, Kuala Lumpur, 15 - 16 December, 1997
22. Course on Laboratory Accreditation Documentation, Faculty of Civil Engineering, UTM, Skudai, 4-5 June, 1998
23. Civil Defence Course, UTM, 4-7 May, 1998
24. Basic Course on MS ISO 9000, UTM, 3 March, 1998
25. Training on Saving in Water, Civil Defence Department, 16 December, 1998
26. Workshop on Intellectual Property Policy, UTM, Skudai, 10 August, 1998
27. Seminar and Workshop on "Asian Women Leaders in Higher Education", Bangi, Selangor, 30 - 4 Nov., 2000.
28. Course on ISO/IEC 17025 Internal Quality Audit, Plaza Mayang, Petaling Jaya, Selangor, 17-19 April, 2000
29. Editing Course, UTM Skudai, 6-8 November, 2000.
30. JSPC-VCC Workshop on Environmental Science Engineering and Ethics, 8 August 2000, University Malaya.

31. Workshop on "Penilaian Tahap Minimum dan Perakuan Akreditasi Bil 07/2000", 31 Mei, 2000, UTM Skudai.
32. Workshop on Quality Control – Civil Eng. Section, EST, 24-26 Mac 2000, the Regency Resort, Negeri Sembilan.
33. Course on Counseling in Organisations, 14-15 Mac 2001, Sofitel Hotel, Johor.
34. Course on Corporate Management, 27-28 August, 2001, Hyatt Hotel, Johor Bahru.
35. Workshop on "Fail Meja", 21 March, 2001, Paradise Hotel, Johor.
36. Workshop on Academic System, 24 February, 2001, Faculty of Civil Engineering, UTM.
37. Workshop on Applying Research Grant form CIDB, 31 October, 2001, Pulau Springs Golf Resort, Johor.
38. Workshop on the Implementation of SAMM and Accreditation Standard ISO/IEC 17025, Renaissance Palm Garden, Putrajaya, 5 February, 2002.
39. E-Learning Course, Faculty of Civil Engineering, UTM, 6-7 February 2002.
40. "Bina Negara Sahabat 12" Course, Kem Bina Negara Alor Gajah, Melaka, 17-20 May 2002.
41. Workshop of 7 Habits of Effective People", Port Dickson, 18-20 August 2002
42. Training as a facilitator in "Kursus Bina Negara Asas utk Staf Kumpulan A UTM", Kem Bina Negara Alor Gajah, Melaka, 19-21 Oct. 2002
43. International Conference on Mobile Learning, UM City Campus, KL, 25-27 Mac 2003.
44. Workshop on The Development of Teaching Portfolio, Riviera Bay Resort, Melaka, 9-10 May, 2003
45. Convention Beyond 2020, Convention Centre, Putrajaya, 14-16 December, 2004
46. DrDok Training Programme, 24-25 May 2005, UTM, Skudai
47. Course on Quality Assurance FKA (Graduate Studies), 13-15 Jun 2005, Hotel Riviera, Melaka
48. Seminar on "Islam Hadhari", 14 June 2005, Hilton Hotel, Petaling Jaya, Selangor
49. Course on Adult Learning, 6 July 2005, Rumah Alumni, UTM, Skudai.
50. Workshop on Asset and Budget Acquisition Management, 15-16 August 2005, Hotel Hyatt, Johor Bahru.
51. Workshop for Graduate Studies, 16-18 November 2005, Hotel Sofitel, Senai, Johor.
52. Workshop on Journal Review and Writing, 7 Disember 2005, Pulau Spring Resort.
53. Panel Assessment of Engineering & Built Section Workshop for Quality Assurance No 2/2007, 27-29 April, 2007, Renaissance Hotel, Melaka, organised by National Accreditation Board, Malaysia
54. 1st Sri Lankan Geotechnical Society (SLGS), International Conference on Soil and Rock Engineering, 6-11 August 2007, Colombo, Sri Lanka,
55. Workshop on "Penulisan Laporan Kursus Kenegaraan Tenaga Penggerak Tahun 2007", Organised by the Prime Minister Office, 24-26 August 2007, Pusat Latihan Keris, Ayer Keroh, Melaka

Speaker

- | | | |
|--|---|-----------------------|
| 1. "Tenaga Penggerak Utama" (J-0973-S12)
- Has been the Speaker for :
(i) "Kursus Kenegaraan (SSM)"
(ii) "Kursus Bina Negara Asas Mahasiswa"
(iii) "Kursus Kenegaraan Mahasiswa", etc. | Biro Tatanegara (BTN),
Prime Minister Office, Malaysia | Since 2002 |
| 2. Course on Supervision & Assessment of Graduate Studies, Sofitel Hotel, Johor | School of Graduate Studies | 7-8 May 2003 |
| 3. Forum on "Warga Bistari – Ilmu, Budaya & Cabaran Pemodenan" Pontian, Johor | Gerakan Daya Wawasan Kg Pt Hj Omar & PIBG Sek. Keb. Pt. Sapran, Pontian | 24 April 2004 |
| 4. PTK3 Course on Assessment of Learning, Module, KUITTHO | Registrar Office, UTM | 24 May-11 June 2004 |
| 5. Course on Supervision & Assessment of Graduate Studies, Sofitel Hotel, Johor | School of Graduate Studies | 9-12 August 2004 |
| 6. PTK3 Course on Assessment of Learning, Module, UTM | Registrar Office, UTM | 20, 25 & 27 Oct. 2004 |
| 7. Speaker and Facilitator for Course on Supervision & Assessment of Graduate Studies Sofitel Hotel, Johor | School of Graduate Studies | 25-28 April 2005 |
| 8. Course on "Sijil Pengajaran Pengajian Tinggi SPPT" Module B:Assessment of Learning,UTM | Centre For Teaching and Learning | 6-8 December 2005 |

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|-----|--|---|----------------------|
| 9. | PTK3 Course on Assessment of Learning, Module, UTM | Registrar Office, UTM | 14-16 December 2005 |
| 10. | Course on Supervision & Assessment of Graduate Studies
Putri Pacific Hotel, Johor Bahru | School of Graduate Studies | 2-3 & 7-10 Aug. 2006 |
| 11. | Course on
“Sijil Pengajaran Pengajian Tinggi SPPT”
Module B:Assessment of Learning,UTM | Centre for Teaching and Learning | 2006 |
| 12. | PTK3 Course on Assessment of Learning, Module, UTM | Registrar Office, UTM | 2006 |
| 13. | Course on
“Sijil Pengajaran Pengajian Tinggi SPPT”
Module 4:Assessment of Learning,through OBE | Centre for Teaching and Learning
UTM | 2011, 2012 |

Facilitator

- | | | | |
|-----|--|--|-----------------------|
| 1. | Skim Latihan Akademik Bumiputra (SLAB) Research Methodology Course (for FKA), UTM Skudai | Registrar Office, UTM | 1997 - to date |
| 2. | Workshop on
“Pelan Tindakan Pembangunan Wanita Negeri Johor 1997-2001”
Hotel Eden, Johor Bahru | Yayasan Pembangunan Keluarga (YPK) & Kerajaan Negeri Johor | 13 Nov. 2000 |
| 3. | Workshop on “Migration & Updating Quality Manual & Procedures in Accordance with the New ISO 17025: 2005 Civil Eng. Testing Unit, FKA, UTM”,
Tiara Beach Resort, Port Dickson, NS | Faculty of civil Engineering, UTM | 27-30 December, 2007 |
| 4. | Workshop on ISO/IEC 17025 Documentation, Century Mahkota Hotel Melaka | Human Resource Department, UTM | 30 March-1 April 2001 |
| 5. | Workshop on
“Pindaan Peraturan Akademik Pengajian Siswazah”, Riviera Bay Resort, Melaka | School of Graduate Studies | 29 April-1 May 2003 |
| 6. | Course on Supervision & Assessment of Graduate Studies
Sofitel Hotel, Johor | School of Graduate Studies | 7-8 May 2003 |
| 7. | PTK3 Course on Assessment of Learning, Module, KUITTHO | Registrar Office, UTM | 24 May-11 June 2004 |
| 8. | Course on Assessment of Learning, UTM Skudai | Registrar Office, UTM | 18-20 May 2004 |
| 9. | Course on Supervision & Assessment of Graduate Studies
Sofitel Hotel, Johor | School of Graduate Studies | 9-12 August 2004 |
| 10. | Course on
“Sijil Pengajaran Pengajian Tinggi SPPT” | Centre for Teaching and Learning | 4-6 October 2004 |

Module B:Assessment of Learning,UTM

11. Course on Assessment of Learning, UTM Skudai	Registrar Office, UTM	18-20 May 2005
12. Professional Malay Women Congress 2005 PWTC, Kuala Lumpur	UMNO Women Movement, Malaysia	8-10 Julai 2005
13. Workshop on the Improvement of the Quality of Assessment, Sofitel Hotel	Centre for Teaching & Learning	28-29 Nov. 2005
14. Course on "Sijil Pengajaran Pengajian Tinggi SPPT" Module B:Assessment of Learning,UTM	Centre for Teaching and Learning	6-8 December 2005
15. PTK3 Course on Assessment of Learning, Module, UTM	Registrar Office, UTM	14-16 December 2005
16. Workshop on Revision of Academic Regulation of Graduate Studies Century Mahkota Hotel, Melaka	School of Graduate Studies	31 March-2 April 2006
17. Course on Supervision & Assessment of Graduate Studies Putri Pacific Hotel, Johor Bahru	School of Graduate Studies	2-3 & 7-10 Aug. 2006
18. Course on "Sijil Pengajaran Pengajian Tinggi SPPT" Module B:Assessment of Learning,UTM	Centre for Teaching and Learning	2006,2010,2011,2012
19. PTK3 Course on Assessment of Learning, Module, UTM	Registrar Office, UTM	2006, 2007
20. PTK3 Course on Assessment of Learning, Module, UTM	Registrar Office, UTM	26-28 June 2007

CO-CURRICULUM:

Society

Head, Academic Portfolio, Parents and Teacher Society (PIBG), SK Tmn Perling, JB	(1997-2000)
Exco, UTM Academic Staff Society (PKA)	(1998-2001)
Assistant Secretary, Kelab Keluarga, FKA, UTM	(2000-2002)
Committee Member, Badan Kebajikan Staf, UTM	(2001-2005)
Treasurer, Persatuan Wanita UTM, WANGI	(2001-2003)
Committee Member, Parents and Teacher Society (PIBG), SK Tmn Sri Pulai, Kulai	(2001-2002)
Head, Academic Portfolio, Parents and Teacher Society (PIBG), SM Sains Kota Tinggi	(2002-2003)
Committee Member, Persatuan Wanita UTM, WANGI	(2003-2005)
Deputy Chairman, Parents and Teacher Society (PIBG), SM Sains Kota Tinggi	(2005-2006)
Member, Alumni UTM	(1983-To date)
Member, Koperasi UTM Berhad	(1983-To date)
Member, Aseania Resorts Sdn Bhd	(1990-To date)
Member, Alumni University of Newcastle Upon Tyne, UK	(1997-To date)
Member, Civil Defence Department, Malaysia	(1997-To date)
Member, Orchard Golf & Country Resorts	(2000-To date)
Member, Alumni MRSM (ANSARA)	(2002-To date)
Member, Swiss Garden Resort	(2003-To date)
Committee Member, Badan Kebajikan Staf (BAKES), UTM	(2007-2012)
Committee member, Mont' Callista Resident Society	(2012-2013)
Deputy Chairman, Mont' Callista Resident Society	(2013-To date)

Sport

Representing University

Interuniversity and Higher Institution Sport Competition	Hockey	1988
Interuniversity and Higher Institution Sport Competition	Hockey	1989
Federal Territory Sport Tournament (MAKSWIP)	Volleyball	1989
Interuniversity and Higher Institution Sport Competition	Hockey and Netball	1990
Open Day Tournament, UTM	Netball	1990
Shooting Open (Women Section), PALAPES Day, Johor	Shooting	2001
Interuniversity and Higher Institution Sport Competition	Netball	2005
Interuniversity and Higher Institution Sport Competition	Netball	2006

Representing Faculty of Civil Engineering / Chancellery

Inter Department	Volleyball	2002, 2003, 2004
Fun Run during UTM Family Day	Cross Country	1997, 2003
Inter Department	Badminton	2004, 2005
Inter Department	Netball	2004, 2005

AWARDS:

Soil Mechanics Ltd. UK. Awards - for best Dissertation in Masters of Science Course, Department of Geotechnical Engineering, University of Newcastle upon Tyne, England, 1987. (by Soil Mechanics Ltd. UK and University of Newcastle upon Tyne, England)

Professional Access Project Awards - 1994
(by British Council and Department of Trade & Industry, England)

JSPS - VCC FY 1997 - Collaborative Research Programme, Nov - Dec, 1997.
(by Japan Society for the Promotion of Science, Japan)

Anugerah Khidmat Cemerlang -1997
Universiti Teknologi Malaysia

Captain (Civil Defence) – 1998
Civil Defence Department, Malaysia

Anugerah Jasa Bakti - 2003
Universiti Teknologi Malaysia

Anugerah Khidmat Cemerlang - 2004
Universiti Teknologi Malaysia

Anugerah Pingat Gangsa, Expo Inovasi dan Teknologi (INATEX 2009), UTM

Anugerah Pingat Gangsa, Expo Inovasi dan Teknologi (INATEX 2010), UTM

Anugerah Pingat Gangsa, Malaysian International Technological Expo (MTE) 2010

Anugerah Penyelidikan 2009,
Hari Kualiti 2010, FKA, UTM

Anugerah Penghargaan Khas – Kepujian Fakulti 2010
Hari Kualiti 2011, FKA, UTM

Anugerah Pengiktirafan Penyelidik UTM
Citra Karisma (Hari Kualiti) UTM 2012

Best Researcher Award
Construction Research Alliance, UTM Appreciation Night 2012

Best Research Group Award
Construction Research Alliance, UTM Appreciation Night 2012

Anugerah Penghargaan Khas e-PPP (Pasca Siswazah) - 2012,
Hari Kualiti 2013, FKA, UTM

Anugerah Perkhidmatan Cemerlang 2012
Majlis Anugerah Kecermelangan & Penghargaan UTM 2013, UTM