



CURRICULUM VITAE



PERSONAL DETAILS

Name : KAMARUDIN AHMAD
Gender : Male
Date of Birth/Age : 03 July 1963
Nationality : Malaysian
Marital Status : Married
Permanent Address : 79 Jalan Jasa 40, Taman Mutiara Rini
 : 81300 Johor Bahru
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ID Staff : 5161
Expertise : Geotechnical Engineering
H-Index (WOS) : 8
H-Index (SCOPUS) : 10
H-Index (G. Scholar) : 13
H-Index (Researchgate) : 21

ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1	PhD	Civil Engineering	Universiti Teknologi Malaysia	Dec 1999	April 2004
2	MSE	Civil Engineering	University of Michigan	Sept 1990	Jan 1991
3	BSCE	Civil Engineering	West Virginia University	Sept 1981	May 1985

AWARD AND HONORS RECEIVED

Summary	
International Awards/Honors	1
National Awards/Honors	
UTM Awards/Honors	6
Faculty Awards/Honors	3

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	Telford Premium Institution of Civil Engineers, UK	International	2012
2	Anugerah Kualiti (Pengajaran)	Fakulti Kejuruteraan Awam	2012
3	Anugerah Khidmat Cemerlang	UTM	2013
4	Anugerah Khidmat Cemerlang	UTM	2016
5	Anugerah Khidmat Cemerlang	UTM	2017
6	Anugerah Jasa Bakti	UTM	2007
7	Anugerah Jasa Setia	UTM	2018
8	Anugerah Kecemerlangan Perkhidmatan	Fakulti Kejuruteraan (magfe 2020)	2019
9	Bronze Award 21st INATEX 2019	UTM	2019

WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Assoc Professor	2008	To date	Faculty of Civil Engineering, UTM
2	Senior Lecturer	1992	2008	Faculty of Civil Engineering, UTM
3	Assistant Lecturer A	July 1987	1992	Faculty of Civil Engineering, UTM
4	Civil Engineer	Feb 1987	June 1987	Intertex Sdn Bhd
5	Civil Engineer	April 1986	Feb 1987	Jeffa Constr Sdn Bhd

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Summary	
International Professional Membership / Qualifications / Recognition	1
National Professional Membership / Qualifications / Recognition	2

NO	NAME OF PROFESIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	ISRM	International	Member	2016
2	BEM	National	Member	1987
3	SEGRM	National	Member	2016
4	MySet	National	Member	2010

ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ FACULTY/ DIVISION
1	Head of Department	15 Feb 2018	30 Jun 2018	Dept of Geotechnics and Transportation, Faculty of Civil Engineering
2	Head of Department	15 Feb 2016	14 Feb 2018	Dept of Geotechnics and Transportation, Faculty of Civil Engineering
3	Laboratory Manager (Appointed by UTM before synergy)	01 Dec 2014	31 May 2016	Faculty of Civil Engineering
4	Laboratory Manager (Appointed by UTM before synergy)	01 Dec 2012	30 Nov 2014	Faculty of Civil Engineering
5	Head of Laboratory (Geotechnical Model)	1988	1990	Dept of Geotechnics and Transportation, Faculty of Civil Engineering
6	Head of Laboratory (Geotechnical Model and Instrumentation)	1996	1998	Dept of Geotechnics and Transportation, Faculty of Civil Engineering

CONSULTATION WORKS

Summary	
Consultation Project-UTM	25 projects
Consultation Project- Others	

No.	Year	Title	Value	Vot
1.	2018	Kajian forensik di stesyen petrol Shell, Jln Besar, Kluang, Johor by Forensic Engrg Centre	16,000.00	UTSB-1000
2.	2018	Ujikaji makmal tanah bagi projek LRT 3 Johan Setia, Klang, Selangor	16,000.00	UTSB-1217
3.	2017	Permeability Test (Golf course) – Golden Kluang	954.00	UTSB-349
4.	2017	Permeability Test (Golf course) – Tritan Engineering	1335.00	UTSB-349
5.	2016	Independent Checker (Civil & structure) for Cadangan Pembinaan Klinik Kesihatan Baharu dengan Perkhidmatan Khas, Sungai Rengit, Pengerang, Kota Tinggi, Johor	20,000.00	UTSB-1026
6.	2014	Slipper test (batch A) – SPC Industries Sdn Bhd	17,800.00	UTSB-349
7.	2012	Sieving of soil samples and other services (for PhD student from the University of Technology, Denmark)	15,000.00	UTSB-682
8.	2009	Structural Independent Checker for Proposed Bridge at Construction Of Elevated Interchanges Along Johor Bahru Inner Ring Road: Package 3B : Jalan Abu Bakar Interchange for The Construction of Highways and Road Projects Within The Iskandar Development Region : For GJ Runding Sdn. Bhd.	18,500.00	BIP-63002
9.	2008	Preliminary study on the National Groundwater potential in Peninsular Malaysia	40,000.00	UTSB-212

10.	2008	Structural Independent Checker for Proposed Bridge at at Construction Of Elevated Interchanges Along Johor Bahru Inner Ring Road: Package 3A Jalan Yahya Awal Interchange, for The Construction of Highways and Road Projects Within The Iskandar Development Region, Johor : For GJ Runding Sdn. Bhd	11,500.00	BIP-63002
11.	2008	Kajian pelan induk tebatan banjir bagi Wilayah Pembangunan Iskandar tidak termasuk Sg Tebrau, Sg Pandan dan Sg Tiram	80,000.00	UTSB-492
12.	1996	Preliminary environmental impact assessment for the proposed hotel resort on Pulau Tuba, Langkawi		Inst. Kejuruteraan Pantai dan Luar Pantai <i>IKPLP</i>
13.	1996	Environmental impact assessment on the sand mining activity for the development of Pulau Melaka		Inst. Kejuruteraan Pantai dan Luar Pantai <i>IKPLP</i>
14.	1995	Preliminary assessment of excavation, dredging and land reclamation for the development of Bandar Baru Kerteh, Terengganu		Inst. Kejuruteraan Pantai dan Luar Pantai <i>IKPLP</i>
15.	1995	Interpreting subsurface exploration data and assessing the effect of land clearing on the environment for the proposed Bakri Industrial Estate, Muar, Johor		UTSB
16.	1995	Environmental impact assessment for the proposed development in Pulau Sibul Tengah, Mukim Pulau Sibul, Mersing		Inst. Kejuruteraan Pantai dan Luar Pantai <i>IKPLP</i>
17.	1995	Study on the potential impacts of dredging of sea sand and land reclamation for a proposed commercial center in Alai, Melaka		Inst. Kejuruteraan Pantai dan Luar Pantai <i>IKPLP</i>
18.	1995	Interpretation of subsurface exploration data and preparation of construction program for the proposed hotel development an Jln Sulaimani, Kemaman, Terengganu		UTSB
19.	1994	Study on soil characteristics and impacts of land clearing on the environment for the proposed national sheep-breeding farm in Rompin, Pahang		UTSB
20.	1994	Preliminary study on the effects of land clearing and construction of a cove and a golf course resort in Pulau Besar, Melaka		Inst. Kejuruteraan Pantai dan Luar Pantai <i>IKPLP</i>
21.	1994	Site investigation and data interpretation for the preparation of national groundwater quality monitoring network in Sg Besi Kuala Lumpur and Panji, Kelantan		UTSB

22.	1994	Subsurface exploration and data interpretation for the preparation of national toxic waste disposal site master plan in Kota Tinggi, Johor and Bkt Mak Indah, Terengganu		UTSB
23.	1994	Interpretation of geological and soil data, study on the consequences from dredging of batang Baram and site improvement using surcharge and vertical drains for the proposed Miri new port in Kuala Baram, Sarawak		UTSB
24.	1993	Subsurface exploration to estimate volume of granite for a proposed quarry in Kota Tinggi, Johor		UTSB
25.	1993	Detailed design of the Tanjung Agas industrial zone drainage scheme and part of Kesang drainage scheme, Muar Johor		UTSB
26.	1993	Site investigation for the extension of Tenggara Cement processing plant in Pasir Gudang, Johor		UTSB
27.	1992	Subsurface exploration for PROMET fabrication yard in Teluk Ramunia, Kota Tinggi, Johor		UTSB
28.	1992	Site investigation for a proposed shop house block in Larkin, Johor		UTSB
25	1991	Site investigations for CELCOM telecommunication towers in Melaka and Johor		UTSB

INTERNATIONAL/NATIONAL/UNIVERSITY COMMITTEE

Summary	
International Committee	10
National Committee	1
University Committee	3
Faculty Committee	23
Community Committee	4

International

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	The 12 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) in INFINID 2021 by Universiti Islam Sultan Agung (UNISSULA), Indonesia	Member of Advisory	2018	2021
2	The 11 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) Kuala Lumpur	Chairman	20 Sept 2016	28 Feb 2019
3	10 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) Kuala Lumpur	Technical committee	2013	2016

4	The 9 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) Persada Johor Bahru	Technical committee	2011	2013
5	The 8 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA)	Technical committee	2009	2010
6	The 7 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) 26 – 27 Mei 2008	Technical committee	2007	2008
7	The 5 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) 22-24 Nov 1999 Johor Bahru	Technical committee, printing and publication	1997	1999
8	The 4 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) 11-12 Nov 1997 Pan Pacific, Johor Bahru	Technical committee, printing and publication	1995	1997
9	The 3 rd International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) Melaka	Technical committee, printing and publication	1993	1994
10	The 2 nd Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) 21 – 25 April 1992 Johor Bahru	Technical committee, printing and publication	1991	1992

National

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) 20 – 21 Feb 1990 UTM, Johor Bahru	Committee Member (printing and publication)	1989	1990

University

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Evaluation technical committee UPMU	Committee Member	2013	2017
2	Panel anugerah OSHE kategori bengkel dan makmal	Committee Member	2012	2016
3	Hazardous waste	Committee Member	01 Dec 2012	31 Mei 2016
4	Persatuan Kakitangan Akademik	Committee Member	1996	1999

Faculty

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Course coordinator Geotechnics 2	Head	2012	To date
2	Course Panel Geotechnics	Head	2012	2019
3	Course coordinator SAB 2012 (geotechnics)	Head	01 Jan 2011	31 Dec 2013
4	UG academic affairs	Committee Member	2012	2021
5	Civil Engineering Testing Unit	Technical Manager (Geotechnics)	2013	18 July 2022
6	OSHE (Emergency Response Team)	Commander	2012	2016
7	Laboratory manual (geotechnics)	Coordinator	2018	To date
8	Industrial Training	Committee Member	2017	2020
9	Coordinator Laboratory Manual (geotechnics)	Head	Mar 2019	To date
10	Penyelaras Buku Panduan Fakulti dan Buku Makmal	Head	1987	1990
11	Penyelaras Buku Panduan Makmal	Head	1987	1990
12	Task force Laporan penyelidikan dan penulisan	Committee Member	2000	2005
13	Strategic plan 2014 task force – service and delivery	Committee Member	2012	2014
14	Jawatankuasa Induk Majlis anugerah Kualiti 2017 FKA	Committee Member	2018	2018
15	Jawatankuasaanugerah penerbitan Naib Canselor	Committee Member	2005	2005
16	SEPKA 2006	Secretariat	2006	2006
17	Minggu kejuruteraan Awam (MiKA) dan pertandingan model jambatan 2005	Committee Member	2005	2005
18	Seminar Kejuruteraan Awam SEMKA	Committee Member	2004	2007
19	Jawatankuasa EAC Fakulti	Committee Member	2013	2014
20	Jawatankuasa Self Assessment Report	Committee Member	2013	2014
21	Jawatankuasa induk anugerah kualiti 2013	Committee Member	2013	2014
22	Jawatankuasa Induk Majlis anugerah Kualiti 2012	Committee Member	2012	2013
23	Task force memorandum of collaboration bersama IKRAM	Committee Member	2013	2013

Community

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Community engagement: Ground Investigation using Screw Driving Sounding untuk projek pembinaan Sekolah Agama, UTM	Committee Member	01 Aug 2018	31 Dec 2018
2	Bearing capacity for the construction of nursery building Sekolah Islam Hidayah	Committee Member	Feb 2018	May 2018
3	Bearing capacity for the construction of Sekolah Islam Hidayah new 3 storey building	Committee Member	Sept 2012	Nov 2012
4	Bearing capacity for the construction of Sekolah Islam Hidayah new 3 storey building	Committee Member	1999	1999

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
1	Training Course on Sound Driving System (SDS) Operation-Japan Home Shield	UTM	24/1/2017	25/1/2017
2	11th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) and 1st International Conference on Highway and Transportation Engineering (ICHITRA)	The Royal Widad Residence, UTMKL	27/2/2019	28/2/2019
3	10th GEOTROPIKA	Sri Pacific Hotel, KL	2014	2016
4	9th GEOTROPIKA	Persada, Johor Bahru	2011	2013
5	8th GEOTROPIKA	Johor Bahru	2008	2010
6	7th GEOTROPIKA	Johor Bahru	2006	2008
7	5th GEOTROPIKA	Johor Bahru	1997	1999
8	4th GEOTROPIKA	Pan Pacific Johor Bahru	1995	1997
9	3rd GEOTROPIKA	Melaka	1992	1994
10	2nd GEOTROPIKA	UTM, Johor Bahru	1990	1992
11	GEOTROPIKA	Pan Pacific JB	1989	1990
12	CETU	GEN Hotel Nusajaya	2019	2019
13	Syllabus and curriculum	Impiana Hotel Senai	2018	2018
14	Geophysics training and workshop	IKRAM KL and Grik	14 Dec 1992	19 Dec 1992
15	Bengkel penulisan karya asli	Pulai Spring Resort	14 Feb 2006	16 Feb 2006
16	Kursus asas pembangunan WEB	Makmal komputer 1, CTL		
17	Bengkel "Publication in Journal" Articles writing and Review	Pulai Spring Resorts	7 Dec 2005	7 Dec 2005
18	Creative Thinking	Grand Blue Wave Hotel, JB	5 Dec 2005	6 Dec 2005
19	Communication skills for academic purposes	Bilik PBL, CTL	7 July 2005	8 July 2005
20	Apresiasi bidang teknologi tinggi negeri Johor	Technovation park, UTM	16 Nov 2006	16 Nov 2006
21	Aplikasi perisian Geoteknik	Makmal komputer D02 FKA	9 Dec 2005	9 Dec 2005

22	Seminar on soil improvement techniques for highways	Kuala Lumpur	27 Aug 2008	27 Aug 2008
23	Kursus kaedah penyeliaan dan penilaian pengajian siswazah	Pusat Latihan UTM	25 Aug 2008	25 Aug 2008
24	Kursus in house ISO9001:2000 awareness program	PBL1 FKA	18 June 2008	18 June 2008
25	Bengkel perisian kejuruteraan geoteknik: Plexis 7.2	Pulai Spring Resorts	1 Jul 2009	3 Jul 2009
26	Kursus Pembangunan Portfolio pengajaran	Pulai Spring Resorts	24 Jun 2009	25 Jun 2009
27	ProgramChemCLASS@UniSchool	FBME, UTM	8 Jun 2015	8 Jun 2015
28	Bengkel CDIO learning innovation	PBL1, FKA	19 Aug 2014	20 Aug 2014
29	Wacana kepimpinan akademik dan pembangunan professional (CALPD), UTMlead	Dewan CTL, UTMlead	8 Oct 2014	8 Oct 2014
30	Persidangan dan pameran Keselamatan dan kesihatan pekerjaan untuk wilayah Borneo kali ke – 3 (BOSH) 2013	Sutera Harbour, Kota Kinabalu	16 Jun 2013	18 Jun 2013
31	Kursus Buna Negara	Pusat Latihan Biro Tatanegara, Meru, Klang	10 Oct 1992	16 Oct 1992
32	Bengkel permohonan IRPA RM7	DSI, UTM	28 Oct 1998	29 Oct 1998
33	Stategic Dialogue FKA	Bilik Seminar B, FKA	12 Nov 1998	12 Nov 1998
33	Lotus 1-2-3 for laboratory management	Makmal Komputer, FKA	17 Jan 1990	18 Jan 1990
34	Bengkel peraturan pentadbiran dan perkhidmatan untuk timbalan dekan/timbalan pengarah, ketua jabatan dan ketua makmal	Dewan Jamuan, Bangunan Pentadbiran	17 Oct 1989	18 Oct 1989

RESEARCH ACTIVITIES

Summary	
Principal Investigator- International Grants	1 projects (RM0)
Principal Investigator- National Grants	1 projects (RM60,000)
Principal Investigator- UTM Grants	5 projects (RM144,000)
Member- International Grants	1 projects (RM176,002)
Member- National Grants	3 projects (RM400,000)
Member- UTM Grants	7 projects (RM180,000)

As a principal investigator

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Characterization of marine clay stabilized by modified polyurethane under static and dynamic loading with microstructural verification	Head	Others	FRGS	60,000	2019	2021	Q.J130000.2551.21H42
2	Bio-mediated soil improvement in mitigation of liquefiable sandy soil	Head	UTM	GUP tier 1	50,000	2016	2018	Q.130000.2522.20H21
3	Development of modified oedometer to establish SWCC	Head	UTM	GUP	40,000	2010	2012	Q.I13000.7122.01J25
4	Migration characteristics of heavy metal contaminants through peat soil	Head	UTM	RMC	30,000	2007	2009	R.J130000.7822.3F007
5	An evaluation on fundamental engineering properties of fluid-modified clayey soil	Head	UTM	RMC	38,500	2004	2005	75105
6	Improvement of soft saturated clay using electrokinetic dewatering and hardening	Head	UTM	RMC	12,000	1997	1998	71375

As a scientific member

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Mechanism of kaolin stabilization by using sustainable material for carbonation reduction	Member	Ministry of Higher Education (MOHE)	Fundamental Rsrch Grant Scheme	77,000	2019	2020	R.J130000.7851.5F197
2	Full-Scale test of trial embankment on bamboo-geotextile composite reinforced soft clay	Member	Others	e-science	850,000	2008	2010	79155
	Determination of sustainable practice using machine learning and shear wave velocity method for road design and maintenance -	Member	UTM	GUP tier 2	30,000	2019	2021	R.J130000.2651.17J87
	Shear wave velocity investigation for geotechnical engineering applications using seismic refraction and multi channel analysis of surface waves	Member	UTM	GUP tier 2	20,000	2017	2019	Q.J130000.2622.15J26
4	Development of rapid consolidation equipment for soft cohesive soil	Member	Others	IRPA	170,000	2001	2004	74110
5	Development of stabilization techniques for contaminated soils	Member	Others	IRPA	135,850	1999	2003	72277
6	Research and development of Screw Driving Sounding Test	Member	Japan Home Shield	Contract Research	143,508	01 Jan 2017	01 Jan 2018	R.K130000.7643.4C134

COLLABORATION / MOU

NO	NAME OF MOU	LEVEL OF MOU (NATIONAL/INTERNATIONAL)	STARTING DATE	ENDING DATE
1	LOC between UTM and Univ of the Rukyus Japan	International	27 Feb 2019	27 Feb 2021
2	LOC between UTM and AHN Vertex	National	24 April 2019	24 April 2021
3	MOA between UTM and Japan Home Shield Corporation	International	01 Jan 2017	01 Jan 2018
4	MOU between UTM and National Institute of Technology Kagoshima College, Japan	International	26 Sept 2016	26 Sept 2021
5	MOU between Faculty of Civil engineering UTM and Indonesian Society for Geotechnical Engineering	International	17 Feb 2016	17 Feb 2019
6	MOA between UTM and Universiti Sains Malaysia on Characteristics of Lateritic Soil treated with Lime under Cyclic Wetting and Drying Conditions	National	23 Nov 2020	23 Nov 2022

TEACHING ACTIVITIES

Summary	
Total Credit Hours	385

UNDERGRADUATES

Semester	Sem	Subject Code	Subject	Credit Hour	No of Student
1987/1988	July	DKA 1412	Soil Mechanics	2	55
		DKA	Statics	2	30
1987/1988	Dec	DKA 1412	Soil Mechanics	2	55
		DKA	Statics	2	50
		DKA 1051 (03)	Soil Laboratory	1	30
1988/1989	July	DKA 1412	Soil Mechanics	2	55
		DKA	Statics	2	50
		DKA 1051 (03)	Soil Laboratory	1	30
1988/1989	Dec	DKA 1412	Soil Mechanics	2	50
		DKA	Statics	2	50
		DKA 2952 (03)	Soil Laboratory	2	30
1989/1990	July	DKA 2413 (03)	Geotechnics	3	50
		DKA 2413 (01)	Geotechnics	3	50
		DKA 1051 (03)	Soil Laboratory	1	30
1989/1990	Dec	DKA 2413 (03)	Geotechnics	3	50
		DKA 2413 (01)	Geotechnics	3	50
		DKA 1051 (03)	Soil Laboratory	1	30
1990/1991	July	Study leave			
1990/1991	Dec	Study leave			

1991/1992	July	SKA 2413 (02) SKA 2051 (02)	Geotechnics Soil Laboratory	3 1	50 30
1991/1992	Dec	SKA 2413 (01) SKA 2051(4AT2)	Soil Mechanics Soil Laboratory	3 1	50 30
1992/1993	July	DKA 1412 (02) SKA 3052	Soil Mechanics Soil Laboratory	2 2	50 30
1992/1993	Dec	DKA 1412 (02) DKA 2952 (02)	Soil Mechanics Soil Laboratory	2 2	50 30
1993/1994	July	DKA 1412 (01) SKA 3052 (03)	Soil Mechanics Soil Laboratory	2 2	50 30
1993/1994	Dec	DKA 2413 (02)	Geotechnics	3	50
1994/1995	July	SAW 2713 (02) SKA 3052 (02)	Soil Mechanics Soil Laboratory	3 2	50 30
1994/1995	Dec	DKA 2413 (02) DAW 2051 (03) DKA 2952 (01)	Geotechnics Soil Laboratory Soil Laboratory	3 1 2	50 30 30
1995/1996	July	DKA 2413 (02) DAW 2051 (03) DKA 2952 (01)	Geotechnics Soil Laboratory Soil Laboratory	3 1 2	50 30 30
1995/1996	Dec	DAW 2412 (02) DAW 2412 (03) DAW 2051 (03)	Soil Mechanics Soil Mechanics Soil Laboratory	2 2 1	50 50 30
1996/1997	July	DAW 3413 (01) DAW 2051 (02) DAW 3952 (02)	Geotechnics Soil Laboratory Soil Laboratory	3 1 2	50 30 30
1996/1997	Dec	DAW 2412 (03) DAW 3413 (01) DAW 3952 (02)	Soil Mechanics Geotechnics Soil Laboratory	2 3 2	50 50 30
1997/1998	July	DAW 3413 (01) SAA 2052 (02) SAS/W 3052 (01)	Geotechnics Soil Laboratory Soil Laboratory	3 2 2	50 30 30
1997/1998	Dec	DAW 3413 (01) SAE 2052 (01)	Geotechnics Soil Laboratory	3 2	50 30
1998/1999	July	SAA 3713 (03) SAE 2052 (01)	Soil Mechanics Soil Laboratory	3 2	50 30
1998/1999	Dec	SAA 3713 (03) SAA 2052 (02) SAA 3051 (03)	Soil Mechanics Soil Laboratory Soil Laboratory	3 2 1	50 30 30
1999/2000	July	SAA 4743 (08) SAA 4743 (06)	Geotechnics Geotechnics	3 3	40 40
1999/2000	Dec	Study leave			
2000/2001	July	Study leave			
2000/2001	Dec	Study leave			
2001/2002	July	Study leave			
2001/2002	Dec	Study leave			
2002/2003	July	Study leave			
2002/2003	Dec	Study leave			
2003/2004	1	SAA/C/E 4714 (01)	Geotechnics	4	50
2003/2004	2	SAA/C/E 4714 (01)	Geotechnics	4	50
2004/2005	1	SAM 4714 (03)	Geotechnics	4	50
2004/2005	2	SAM 4714 (04)	Geotechnics	4	50

2005/2006	1	SAM 4714 (02) SAM 5011 (01)	Geotechnics Soil Laboratory	4 1	40 30
2005/2006	2	SAM 4714 (02) SAM 5062 (01) SAU 3052 (02) SAM 5011 (01)	Geotechnics Soil Laboratory Soil Laboratory Committee	2 2 2 1	50 30 30 200
2006/2007	1	SAB 3712 (01) SAM 5062 (01-06) SAB 2722 (01)	Geotechnics 2 Soil Laboratory Geotechnics 1	2 2 2	50 50 50
2006/2007	2	SAB 2722 (01) SAB 3712 (01) SAM 5062 (01) SAM 5011 (01)	Geotechnics 1 Geotechnics 2 Soil Laboratory Soil Laboratory	2 2 2 1	50 50 50 50
2007/2008	1	SAB 3712 (04) SAB 3011 (02)	Geotechnics 2 Soil Laboratory	2 1	50 30
2007/2008	2	SAB 3011 (01) SAB 3712 ((01)	Soil Laboratory Geotechnics 2	1 2	30 50
2008/2009	1	SAB 3712 (01) SAB 3011 (03)	Geotechnics 2 Soil Laboratory	2 1	50 30
2008/2009	2	SAB 3712 (01)	Geotechnics 2	2	40
2009/2010	1	SKAB 3712 (01) SKAB 3712 (02)	Geotechnics 2 Geotechnics 2	2 2	50 50
2009/2010	2	SAB 3712 (02) SAB 3011 (03)	Geotechnics 2 Soil Laboratory	2 1	50 30
2010/2011	1	SAB 3712 (01)	Geotechnics 2	2	50
2010/2011	2	SAB 3712 (01) SAB 3712 (03) SAB 3011 (04)	Geotechnics 2 Geotechnics 2 Soil Laboratory	2 2 1	45 45 30
2011/2012	1	SAB 3712 (01) SAB 3011 (02) SKAA1011 (01-05)	Geotechnics 2 Soil Laboratory Intro to Civil Engrg	2 1 1	50 30 250
2011/2012	2	SKAB 3712	Geotechnics 2	2	45
2012/2013	1	SKAB 3712	Geotechnics 2	2	50
2012/2013	2	SKAB 3712 SKAB 3052	Geotechnics 2 Soil Laboratory	2 2	50 30
2013/2014	1	SKAB 3712 SKAB 3052	Geotechnics 2 Soil Laboratory	2 2	50 30
2013/2014	2	SKAB 3712	Geotechnics 2	2	50
2014/2015	1	SKAB 3712	Geotechnics 2	2	50
2014/2015	2	SKAB 3712 SKAB 3052	Geotechnics 2 Soil Laboratory	2 2	50 30
2015/2016	1	SKAB 3712	Geotechnics 2	2	50
2015/2016	2	SKAB 3712 SKAB 3052	Geotechnics 2 Soil Laboratory	2 2	50 30
2016/2017	1	SKAB 3712 SKAB 3042	Geotechnics 2 Integrated Design Project	2 2	45 50
2016/2017	2	SKAB 3712 SKAB 3042	Geotechnics 2 Integrated Design Project	2 2	45 50
2017/2018	1	SKAB 3712 SKAB 3042	Geotechnics 2 Integrated Design Project	2 2	45 50
2017/2018	2	SKAB 3712	Geotechnics 2	2	45

		SKAB 3042	Integrated Design Project	2	50
2018/2019	1	SKAB 3712	Geotechnics 2	2	45
		SKAB 3042	Integrated Design Project	2	50
2018/2019	2	SKAB 3712	Geotechnics 2	2	45
		SKAB 3042	Integrated Design Project	2	50
2019/2020	1	SKAB 3712	Geotechnics 2	2	45
		SKAB 3042	Integrated Design Project	2	50
2019/2020	2	SKAB 3712 (01)	Geotechnics 2	2	45
		SKAA 4042 (03)	Integrated Design Project	2	50
		SKAB 3012 (01)	Soil Laboratory	2	30
2020/2021	1	SKAB 3712	Geotechnics 2	2	45
		SKAB 3042	Integrated Design Project	2	50
2020/2021	2	SKAB 3712	Geotechnics 2	2	45
		SKAB 3042	Intergrated Design Project	2	30
Total credits				259	

POSTGRADUATES

Semester	Sem	Subject Code	Subject	Credit Hour	No of Student
2003/2004	1	MAB 7023/MAW 1763	Adv Geotechnical Design	3	15
2003/2004	2	MAB 7023/MAW 1763	Adv Geotechnical Design	3	15
2004/2005	1	MAB 7083/MAW 1763	Geoenvironment	3	15
2004/2005	2	MAB 7023/MAW 1723	Geoenvironment	3	15
2005/2006	1	MKAE 1043	Adv Construction Materials	3	25
2005/2006	2				
2006/2007	1	MAB 7083	Geoenvironment	3	10
2006/2007	2	MAB 7023	Adv Geotechnical Design	3	15
2007/2008	1	MAB 7083	Geoenvironment	3	10
2007/2008	2	MAB 1043	Adv Construction Materials	3	25
		MAB 7023	Adv Geotechnical Design	3	15
2008/2009	1				
2008/2009	2	MAB 7023	Adv Geotechnical Design	3	15
2009/2010	1	MAB 1043 (01)	Adv Construction Materials	3	25
		MAB 1043 (02)	Adv Construction Materials	3	25
		MAB 7083	Geoenvironment	3	15
2009/2010	2	MAB 1043 (01)	Adv Construction Materials	3	25
		MAB 7023	Adv Geotechnical Design	3	15
2010/2011	1	MAB 1043	Adv Construction Materials	3	25
		MAB 7083	Geoenvironment	3	10
2010/2011	2				
2011/2012	1	MAJ 1083 (01)	Geoenvironment	3	10
		MAB 1043 (01)	Adv Construction Materials	3	20
2011/2012	2	MAJ 1083 (01)	Geoenvironment	3	10
		MAB 1043 (01)	Adv Construction Materials	3	20
2012/2013	1	MAJ 1083 (01)	Geoenvironment	3	10
		MAB 1043 (01)	Adv Construction Materials	3	25
2012/2013	2				
2013/2014	1	MKAE 1043	Adv Construction Materials	3	25
2013/2014	2	MAJ 1083 (01)	Geoenvironment	3	10
		MAB 1043 (01)	Adv Construction Materials	3	25

2014/2015	1	MAJ 1083 (01) MAB 1043 (01)	Geoenvironment Adv Construction Materials	3 3	10 20
2014/2015	2	MAJ 1083 (01) MAB 1043 (01)	Geoenvironment Adv Construction Materials	3 3	10 25
2015/2016	1	MKAE 1043	Adv Construction Materials	3	20
2015/2016	2	MKAE 1043	Adv Construction Materials	3	20
2016/2017	1	MAJ 1083 (01)	Adv Construction Materials	3	15
2016/2017	2	MKAE 1043	Adv Construction Materials	3	15
2017/2018	1	MKAE 1043	Adv Construction Materials	3	15
2017/2018	2	MAJ 1083 (01) MAB 1043 (01)	Geoenvironment Adv Construction Materials	3 3	10 15
2018/2019	1				
2018/2019	2	MKAE 1043	Adv Construction Materials	3	15
2019/2020	1	MKAE 1043	Adv Construction Materials	3	15
2019/2020	2				
2020/2021	1	MKAE 1043 MKAJ 1083	Adv Construction Materials Geoenvironment	3 3	6 8
2020/2021	2				
Total credits				126	

SUPERVISION

Summary	
Main Supervisor – PhD (Graduated)	3
Co-Supervisor – PhD (Graduated)	5
Main Supervisor – PhD (Ongoing)	1
Co-Supervisor – PhD (Ongoing)	2
Main Supervisor- Master by Research (Graduated)	0
Main Supervisor- Master by Research (On-Going)	0
Main Supervisor- Master by Taught Course (Graduated)	2
Co-Supervisor- Master by Taught Course (Graduated)	1
Main Supervisor- Master by Taught Course (On-Going)	0
Main Supervisor- Master by Mixed-Mode (Graduated)	0
Co-Supervisor- Master by Mixed-Mode (Graduated)	2
Main Supervisor- Master by Mixed-Mode (On-Going)	0

PhD Student

No.	Name	No. Matric	Status (Graduated/ On-Going)	Title	Roles of Supervision
1	Yamusa Bello Yamusa	PKA143051	Graduated	Gradation Effects of Compacted Laterite soil as Compacted Liner	Main supervisor
2	Ali Deghanbanadaki	PA130121	Graduated	Bearing capacity of peat treated with Deep Mixing Cement Columns	Main supervisor
3	Mehrdad Kholghifard	PA103051	Graduated	Volume Changes and Collapse Potential of	Main supervisor

				Unsaturated Residual Granite Soil	
4	Mohammed Kareem Khader Ali	PKA213014	On-going	Piled raft foundation in Iraqi sand	Main Supervisor
5	Samaila Saleh	PKA173043	Graduated	Polyurethane to Improve Marine Clay	Co-Supervisor
6	Ali Arefnia	PA083031	Graduated	Kaolin-Tire Derived Aggregate Mixture as Backfill Material	Co-Supervisor
7	Oyeleke Raifu Brown	PA093053	Graduated	Potential of kaolin-Palm Oil Fuel Ash mixture as Sustainable Landfill Liner Material	Co-Supervisor
8	Ngien Su Kong	PA082047	Graduated	Migration of Non-Aqueous Phase Liquid (NAPL) through Double Porosity Media	Co-Supervisor
9	Muazu Abdullahi	PA083006	Graduated	Tree-induced Deformation in Unsaturated Soil	Co-Supervisor
10	Mohd Fadli Abd Rashid	PKA163034	On-going	Impact of Vibration on Migration of Non-Aqueous Phase Liquid through Laterite Soil	Co-Supervisor
11	Nur Azlin Baharudin	PKA183058	On-going	Slope Stability of Two Layered Residual Soil	Co-Supervisor

MSc. Student

No.	Name	No. Matric	Status (Graduated/ On-Going)	Title	Mode (Research / Taught-course/ Mixed Mode)	Roles of Supervision
1	Azhani Zuki	MA081538	Graduated	Comparison between Predicted and Observed Compressibility Characteristics of Treated Soil using Precompression and Vertical Drains	Taught course (Pesisir)	Main supervisor
2	Loh Wee Loon	MA081535	Graduated	Performance of Pull-out resistance of Anchored Earth System by Pull-out Test	Taught course (Pesisir)	Main supervisor
3	Tan Jie Ru	ML092038	Graduated	Modification of Residual Soil with Palm Oil Fuel Ash as Potential Landfill Liner	Mixed mode	Co-supervisor
4	Cho Jian Yin	ML092034	Graduated	Modification of Kahang Clay Soil with Palm Oil	Mixed mode	Co-supervisor

				Fuel Ash as Potential Landfill Liner		
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UTM POSTGRADUATE EXAMINATION/ VIVA

INTERNAL EXAMINER

Summary	
PhD Internal	6
PhD External	3
MSc. Internal Examiner	
MSc. External Examiner	8
Fast track student examiner/panel	5
Others Examiner (Chairperson)	3

PhD Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	Examiner	Muhardi	Pulverized fuel ash as structural fill for embankment construction	2010
2	Examiner	Hamed Niroumand	Uplift response of symmetrical anchor plates in non-reinforced and reinforced sand using geogrid and grid fixed reinforcement	2013
3	Examiner	Felix Ngee Leh	Physico-chemical and microstructural behavior of organic soils stabilized with lime zeolite	2014
4	Examiner	Khitam Abdulhussein Saeed	The Physicochemical Characterization Of Cement And Lime Stabilized Clayey Soils Contaminated By Heavy Metals	2013
5	Examiner	Kenny tiong Ping Chiet	Microbial induced calcite precipitation treatment on tropical residual soil	2016
6	Examiner	Faizal Bin Pakir	Physicochemical, Microstructural And Engineering Behaviour Of Non-Traditional Stabiliser Treated Marine Clay	2018

Msc Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	Chairperson	Lim Jee Wen	Development of testing equipment to establish the relationship between undrained shear strength and consolidation ratio of soil	2014
2	Chairperson	Mohammad Mosiour Rahman	Relationship between moisture content and dielectric constant for subgrade and subbase of pavement courses	2016
3	Chairperson	Shabeena Yasmin Mohd Yoosoff	Influence of transport layer materials on suction distribution behavior in tropical residual soil slope	2018

4	Chairperson	Nur Dalilah Othman	Effects soil characteristics on radon concentration and gas permeability	2021
5	Chairperson	Hamed Niroumand	Anchor plate for retaining wall stability	2010

Fast track student examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	Panel	Nor Azizah binti Che Azmi	Peat Burning Real Time Monitoring System	2021
2	Panel	Suahaimi b Matusin	Settlement of stabilized soft foundation soil using stone column incorporating treated bottom ash	2018
3	Panel	Almando b Abbil	Bearing capacity behavior of soft ground treated with a group of bottom ash columns	2018
4	Panel	Mohamad Hafeezi b Abdullah	Consolidation behavior of soft ground treated with a group of bottom ash columns	2018
5	Panel	Vynotdni a/p Rathianasamy	Characterization of rock aquifer in various geologic setting	2018

EXTERNAL EXAMINER

PhD EXTERNAL EXAMINATION/ VIVA

NO	ROLE	NAME	TITLE	YEAR
1	Examiner	Ali Akbar Firoozi (Univ. Kebangsaan Malaysia)	Evaluation of improvement potential of nanomaterials for stabilizing clayey soils	2016
2	Examiner	Zaid Hameed Majeed (Univ. Kebangsaan Malaysia)	Treatment and improvement of the geotechnical properties of soft soils using nanomaterials	2014
3	Examiner	Panbarasi Govindasamy (Univ. Kebangsaan Malaysia)	Ciri kejuruteraan rawatan kapur nano ke atas tanah baki	2012

MSc EXTERNAL EXAMINER

NO	ROLE	NAME	TITLE	YEAR
1	Examiner	Nur Ezreen bt Jasni (Univ. Malaysia Pahang)	Performance of double layer porous asphalt incorporating natural fiber	2021
2	Examiner	Wan Nursyafiqah bt Jusoh (Univ. Malaysia Pahang)	Undrained shear strength of soft clay reinforced with group encapsulated lime bottom ash columns	2018
3	Examiner	Anas Mohamad Husian Kassim	Strength of clay reinforced group crushed poly propylene (PP) column	2017

		<i>(Univ. Malaysia Pahang)</i>		
4	Examiner	Waqar Hussain Qazi <i>(Univ. Teknologi Petronas)</i>	Improvement of correlation model using ANN for the prediction of soil strength parameters against electrical resistivity	2016
5	Examiner	Ali Jamal Manea <i>(Univ. Malaysia Pahang)</i>	Undrained shear strength of soft clay mixed with various percentages of lime and silica fume	2016
6	Examiner	Mohammed Kabir Alityu <i>(Univ. Tun Hussein Onn Malaysia)</i>	Solidification/stabilization treatment of spiked Sembrong river sediment using cement and rice husk ash	2015
7	Examiner	Nur Fatimidiani bt Ramlee <i>(Univ. Malaysia Sabah)</i>	Kesan penstabilan kapurterhidrat terhadap kekuatan tanah berlempung dari formasi Trusmadi di kawasan Kundasang-Ranau, Sabah	2013
8	Examiner	Mohamad Ali Yusof b Mohd Husin <i>(Univ. Malaysia Sabah)</i>	Effects of moisture and clay minerals on the strength of soil along Kota Belud – Ranau Tamparuli Sabah	2012

PUBLICATIONS

Summary	
ISI Article/Journal	15
Scopus Article/Journal	21
Non-Indexed Article/Journal	12
Indexed Conference Proceedings	18
Non- Indexed Conference Proceedings	28
Book Chapters	5
Original Book	1
Classified/Technical /Expert Report	18
Policy Paper	

NO	ARTICLE TITLE	JOURNAL TITLE	ISSN	Vol.	Issues	Page	Publication year	IF	Type of Publication	Category of Publication	Quartile Ranking
1	Effect of Matric Suction and Density on Yield Stress, Compression Index and Collapse Potential of Unsaturated Granite Soil	KSCE Journal of Civil Engineering	1226-7988	25	8	2847-2854	2021	1.805	Research paper	WoS	Q3
2	Influence of multiple treatment cycles on the strength and microstructure of biocemented sandy soil	International Journal of Environmental Science and Technology	1735-1472	18		3427-3440	2021	2.86	Research paper	WoS	Q3
3	Evaluating the toxicity of polyurethane during marine clay stabilisation	Environmental Science and Pollution Research	0944-1344	27	17	21252-21259	2021	4.223	Research paper	WoS	Q2

4	Enhancing the Strength of Sandy Soil Through Enzyme-Induced Calcite Precipitation	International Journal of Geosynthetics and Ground Engineering	2199-9260	7	2	1-10	2021		Research paper	Wos	ESCI
5	Improvement of Strength Behaviour of Residual Soil via Enzymatically Induced Calcite Precipitation	International Journal of Geosynthetics and Ground Engineering	2199-9260	7	4		2021		Research paper	WoS	ESCI
6	Enhancing the Strength of Sandy Soil Through Enzyme-Induced Calcite Precipitation	International Journal of Geosynthetics and Ground Engineering	2199-9260	7	2		2021		Research paper	WoS	ESCI
7	FEM-based modelling of stabilized fibrous peat by end-bearing cement deep mixing columns	Geomechanics and Engineering	2005-307X	20	1	75 – 86	2020	3.223	Research paper	WoS	Q2
8	Micro-Level Analysis of Marine Clay Stabilised with Polyurethane	KSCE Journal of Civil Engineering	1226-7988	24	3	807-815	2020	1.805	Research paper	WoS	Q3
9	A Study on UCS of Stabilized Peat with Natural Filler: A Computational Estimation Approach	KSCE Journal of Civil Engineering	1226-7988	23	4	1560-1572	2019	1.805	Research paper	WoS	Q3
10	Improving the strength of weak soil using polyurethane grouts: A review	CONSTRUCTION BUILDING AND MATERIALS	0950-0618	202		738 - 752	2019	6.141	Research paper	WoS	Q1
11	Stabilization of backfill using TDA material under	GEOMECHANICS AND ENGINEERING	2005-307X	22	3	197 – 206	2020	3.223	Research paper	WoS	Q2

	a footing close to retaining wall										
12	Evaluating the compression index of fibrous peat treated with different binders	Bulletin of Engineering Geology and the Environment	1435-9529	76	2	575-586	2017	4.298	Research paper	WoS	Q2
13	Experimental investigations on ultimate bearing capacity of peat stabilized by a group of soil–cement column: a comparative study	Acta Geotechnica	1861-1125	11	2	295-307	2016	5.856	Research paper	WoS	Q1
14	Collapse/Swell Potential of Residual Laterite Soil due to Wetting and Drying Cycles	National Academy Science Letters	0250-541X	37	2	147-153	2014	0.157	Research paper	WoS	Q3
15	Temperature Effects on Compression and Collapsibility of Residual Granitic Soil	Journal of the Croatian Association of Civil Engineers, Gradevinar	0350-2465	66	3	191-196	2014	0.908	Research paper	WoS	Q4
16	Influence of Natural Fillers on Shear Strength of Cement Treated Peat	Journal of the Croatian Association of Civil Engineers, Gradevinar	0350-2465	65	7	633-640	2013	0.908	Research paper	WoS	Q4
17	Numerical modelling of multiphase immiscible flow in double-porosity featured groundwater systems	International Journal for Numerical and Analytical Methods in Geomechanics	1096-9853	36	10	1330 - 1349	2012	1.541	Research paper	WoS	Q1

18	Observation of Light Non-Aqueous Phase Liquid Migration in Aggregated Soil Using Image Analysis	Transport in Porous Media	0169-3913	92	1	83 - 100	2012	2.247	Research paper	WoS	Q1
19	Monitoring Leachate Migration in Compacted Soil Using Digital Image Technique	Engineering, Technology and Applied Science Research	2241-4487	9	1	3686-3691	2019		Research paper	WoS	ESCI
20	Numerical simulation with hardening soil model parameters of marine clay obtained from conventional tests	SN APPLIED SCIENCES	2523-3963	3	3	1 – 13	2021		Research paper	WoS	ESCI
21	Electrokinetic Treatment on a Tropical Residual Soil	Ground Improvement	1755-0769	164	1	3-13	2011		Research paper	WoS	ESCI
22	Engineering characteristics of compacted laterite soil as hydraulic barrier in waste containment application	Journal of Engineering Science and Technology	1823-4690	15	1	508-523	2020		Research paper	Scopus	
23	Improvement in plasticity behavior of residual clay soil via bio-cementation technique	Current Applied Science and Technology	2586-9396	21	3	557-568	2019		Research paper	Scopus	
24	Microbially Induced Carbonate Precipitations to Improve Residual Soil at Various Temperatures	Bulletin of the Geological Society of Malaysia	0126-6187	67		87-93	2019		Research paper	Scopus	
25	Using Soil Water Characteristics Curve in Computing Unsaturated Hydraulic Conductivity of Compacted Tropical Soil	ARPJ Journal of Engineering and Applied Sciences	1819-6608	13	17	4765-4770	2018		Research paper	Scopus	
26	Volumetric Shrinkage of compacted soil liner for sustainable waste landfill	Chemical Engineering Transactions	2283-9216	63		613-618	2018		Research paper	Scopus	
27	Rock bearing resistance of bored piles socketed into rock	Jurnal Teknologi	0127-9696	78	6	45 - 51	2016		Research paper	Scopus	

		Universiti Teknologi Malaysia									
28	Numerical and physical modelling of kaolin as backfill material for polymer concrete retaining wall	Jurnal Teknologi, Universiti Teknologi Malaysia	0127-9696	76	2	17-22	2015		Research paper	Scopus	
29	Comparison of soil index properties value for different pre-drying conditions on clayey soil	Jurnal Teknologi, Universiti Teknologi Malaysia	0127-9696	76	2	23 - 30	2015		Research paper	Scopus	
30	Effect of tire derived aggregate on maximum Dry Density of Kaolin	Jurnal Teknologi, Universiti Teknologi Malaysia	0127-9696	66	1	19 - 23	2013		Research paper	Scopus	
31	Stabilization of Soft Soils with Deep Mixed Soil Columns – General Perspective	Electronic Journal of Geotechnical Engineering	1089-3032	18	1	295-306	2013		Research paper	Scopus	
32	Initial Settlement of Mat Foundation on Group of Cement Columns in Peat – Numerical Analysis	Electronic Journal of Geotechnical Engineering	1089-3032	17		2243-2253	2012		Research paper	Scopus	
33	The influence of suction changes on collapsibility and volume change behavior of unsaturated clay soil	Electronic Journal of Geotechnical Engineering	1089-3032	17		2623-2631	2012		Research paper	Scopus	
	Electrokinetic treatment on a tropical residual soil	Proceedings of the Institution of Civil Engineers: Ground Improvement	1755-0750	164	1	3 - 13	2012		Research paper	Scopus	

34	Bioengineering Assessment on Sloppy Ground	American Journal of Environmental Sciences	1553-345X	6	4	357 – 364	2010		Research paper	Scopus	
35	Vegetative induced ground displacements: A comparison of numerical and experimental study	Scientific Research and Essays	1992-2248	6	27	5757 – 5770	2011		Research paper	Scopus	
36	A Review on the Fundamental Engineering Properties of Compacted Laterite Soil at Different Gradations	Journal of Advanced Research in Applied Sciences and Engineering Technology	2462-1943	16	1	10-19	2019		Research paper	Non index	
37	Microbially Induced Carbonate Precipitations to Improve Residual Soil at Various Temperatures	Bulletin of the Geological Society of Malaysia	0126-6187	67		87-93	2019		Research paper	Non-index	
38	A review on the effects of gradation on shear strength characteristics of compacted laterite soil liner	Advanced Science Letters	1936-6612	24		3880-3882	2018		Research paper	Non-index	
39	Laterite Soil Shear Strength Characteristics from the Use of the Standard Proctor and Compression	Arid Zone Journal of Engineering, Technology and Environment	1596-2490	14	2	304-316	2018		Research paper	Non index	
40	Evaluating the geotechnical properties of compacted laterite soil at different fines content	Advanced Science Letters	1936-6612	24		4015-4020	2018		Research paper	Non-index	
41	Hydraulic conductivity and volumetric shrinkage properties review on gradation effect of compacted laterite soil liner	Malaysian Journal of Civil Engineering		29	1	153-164	2017		Research paper	Non-Index	

42	Effects of Gradation on Hydraulic Conductivity Properties of Compacted Laterite Soil Liner: A Review	International Journal of Scientific & Engineering Research	2229-5518	7	6	1088-1091	2016		Research paper	Non-index	
43	A Review of Experimental Studies on Double-Porosity- Soils	Scientific Research and Essays		7	38	3243-3250	2012		Research paper	Non index	
44	Elapse Time Factor on Induced Vegetative Moisture uptake in an Unsaturated Soil	American Journal of Engineering and Applied Sciences	1941-7020	3	4	597 – 603	2010		Research paper	Non index	
45	Rainfall Evaluation of Root Water Uptake Induced Deformation	ARPJN Journal of Engineering and Applied Sciences	1819-6608	5	8	32 – 41	2010		Research paper	Non index	
46	Electroosmotic Flows and Electromigrations during Electrokinetic Processing on a Tropical Residual Soil	Malaysian Journal of Civil Engineering	1823-7843	18	2	74-88	2006		Research paper	Non index	
47	Influence of Electrokinetic Processing of a Residual Soil on the pHs of Electrolytes	Jurnal Kejuruteraan Awam, Universiti Teknologi Malaysia,	1823-7843	17	1	39-48	2005		Research paper	Non index	
48	Design of Anchored Geosynthetics System for Slope Stabilization in Stability and Performance of Slopes and Embankments – II, ASCE, University of California, Berkeley, USA	Journal of Geotechnical Engineering	0733-9410	117	8	1260 - 1274	1992		Research paper	Non index	

NO.	TYPE INDEXED PROCEEDINGS/CONFERENCE NON- INDEXED PROCEEDINGS/CONFERENCE SEMINARS/WORKSHOPS THESIS ORIGINAL BOOK EDITED BOOK BOOK CHAPTER CLASSIFIED/TECHNICAL/ EXPERT REPORT POLICY PAPER	TITLE	YEAR	AUTHOR
	Book Chapter			
1		Geoenvironmental Aspects of Tropical Residual Soils (<i>in Tropical Residual Soil Engineering</i>), Balkema	2004	Mohd Raihan Taha, Kamarudin Ahmad , Mohd Zamri Chik (<i>Bujang K. Huat, Gue See Sew and Faisal Hj Ali (eds)</i>)
2		Acceptable Zone for Green Construction of Compacted Tropical Laterite Soil (<i>in Fossil Free Fuels, Trends in renewable energy, 1st edition</i>), CRC Press	2019	Yamusa B Yamusa, Kamarudin Ahmad (<i>Maniruzzaman A Aziz, Khairul Anuar Kassim, Wan Azlee Wan Abu Bakar, Aminaton Marto (eds)</i>)
3		Geotechnical behavior of eletrokinetically-treated residual soil (<i>in Ground Improvement and Stabilization</i>), UTM	2008	Kamarudin Ahmad , Khairul Anuar Kassim and Mohd Raihan Taha (<i>Nurly Gofar and Khairul Anuar Kassim (eds)</i>)
4		Light Non-aqueous Phase Liquid Penetrations in Multi-porosity Soil (<i>in Water Management and Sustainability in Asia</i>), Emerald Publishing Limited	2021	Mohd Fadhli Abd Rashid, Noraliani Alias, Kamarudin Ahmad , Radzuan Sa'ari,

			Frank Tsung-Chen Tsai, Mohd Zamri Ramli, Zulkiflee Ibrahim
5	Sustainable design of compacted laterite soil liner (in <i>Lecture Notes in Civil Engineering</i>), Springer Nature	2019	Yamusa, Y.B., Ahmad, K., Rahman, N.A.
b	Research book		
	Laterite Soil for Waste Disposal System ISBN 978-983-52-1841-5	2022 <i>In printing process by penerbit UTM</i>	Yamusa B Yamusa, Kamarudin Ahmad , Noraliani Alias, Radzuan Sa'ari
c	Thesis (PhD)		
	Improvement of a Tropical Residual Soil by Electrokinetic Process	2004	Kamarudin Ahmad
d	Classify/Technical		
1	Geotechnical Designs 1 Solutions to Problems 4th ed	2018	Kamarudin Ahmad
2	Geotechnical Designs Solutions to Problems 5th ed	2019	Kamarudin Ahmad

e	Index proceedings			
1	Light Non-aqueous Phase Liquid Penetrations in Multi-porosity Soil		2021	Mohd Fadhli Abd Rashid, Noraliani Alias, Kamarudin Ahmad , Radzuan Sa'ari, Frank Tsung-Chen Tsai, Mohd Zamri Ramli, Zulkiflee Ibrahim), Alias, N.E., Haniffah, M.R.M. and Harun, S. (Ed.)
2	IOP Conference Series: Materials Science and Engineering, Vol. 1153, Vol. 932, 1st International Conference on Science, Engineering and Technology (ICSET) 2020, 27 February 2020, Penang, Malaysia,	Natural Drainage Transporter System for Rainfall-Induced Residual Soil Slope Stabilization – a review	2021	NA Baharudin, A Kassim, K Ahmad
3	Materials Today: Proceedings	Use of Digital Image Technique to Study Leachate Penetration in Biocemented Residual Soil	2021	MU Zango, KA Kassim, R Sa'ari, MF Abd Rashid, AS Muhammed, K Ahmad , J Makinda
4	IOP Conference Series: Earth and Environmental Science, Vol. 682, 4th National Conference on Wind & Earthquake Engineering, 16 -17 October 2020, Putrajaya, Malaysia	Improving the Bearing Capacity of Marine Clay using Polyurethane Columns	2021	AL Yong, K Ahmad , S Saleh, NZM Yunus, KNM Said
5	IOP Conference Series: Earth and Environmental Science, Vol. 682, 4th National Conference on Wind & Earthquake Engineering, 16 -17 October 2020, Putrajaya, Malaysia	Effects of Confining Pressure and Load Frequency on Dynamic Characteristics of Batu Pahat Marine Clay	2021	S Saleh, NZM Yunus, K Ahmad , KNM Said
6	IOP Conference Series: Earth and Environmental Science, Vol. 494, 14th International UMT Annual Symposium 23 – 25 July 2019, Terengganu	Hydrocarbon penetration in multi-Porosity soil	2020	M F A Rashid, N Alias, K Ahmad , R Sa'ari, M Z Ramli, M I Shahrin and Z Ibrahim
7	IOP Conference Series: Earth and Environmental Science, Vol. 476, 2nd International Conference on Civil and Environmental Engineering, 20th – 21st November 2019, Langkawi, Malaysia	Migration of hydrocarbon liquid in unsaturated laterite soil with disimilar volume and moisture content	2020	MF Abd Rashid, N Alias, K Ahmad , R Sa'ari, MZ Ramli, Z Ibrahim, MI Shahrin

8	IOP Conference Series: Material Science and Engineering, Vo. 527, 11 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) and 1st International Conference on Highway and Transportation Engineering (ICHITRA) 2019, 27 – 28 February 2019 Kuala Lumpur, Malaysia	Soil Water Characteristic Curve for Laterite Soil at Different Water Contents and Methods as Lining System	2019	Yamusa Bello Yamusa, Muhammad Azril Hezmi, Kamarudin Ahmad , Khairul Anuar Kassim, Radzuan Sa'ari, Noraliani Alias, Mushairry Mustaffar, Azman Kassim and Ahmad Safuan A. Rashid
9	IOP Conference Series: Material Science and Engineering, Vo. 527, 11 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) and 1st International Conference on Highway and Transportation Engineering (ICHITRA) 2019, 27 – 28 February 2019 Kuala Lumpur, Malaysia	Numerical Modelling of Leachate Migration in Compacted Tropical Laterite Soil	2019	Noraliani Alias, Kamarudin Ahmad , Radzuan Sa'ari, Nor Zurairahetty Mohd Yunus, Yamusa Bello Yamusa
10	IOP Conference Series: Material Science and Engineering, Vo. 527, 11 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) and 1st International Conference on Highway and Transportation Engineering (ICHITRA) 2019, 27 – 28 February 2019 Kuala Lumpur, Malaysia	Deformable Unsaturated Laterite Soil Under Vibration Impact with Dissimilar Moisture Content	2019	Mohd Fadhli Radzuan Sa'ari, Mohd Zamri Ramli, Zulkiflee Ibrahim, Noraliani Alias, Kamarudin Ahmad
11	IOP Conference Series: Material Science and Engineering, Vo. 527, 11 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) and 1st International Conference on Highway and Transportation Engineering (ICHITRA) 2019, 27 – 28 February 2019 Kuala Lumpur, Malaysia	Geochemistry Characterisation of Marine Clay	2019	Kamarudin Ahmad , Nazri Ali, Rini Asnida Abdullah, Nor Zurairahetty Mohd Yunus, Mohd Nur Asmawisham Alel, Dayang Zulaika Abang Hasbollah, Samaila Saleh
12	IOP Conference Series: Material Science and Engineering, Vo. 527, 11 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) and 1st International Conference on Highway and Transportation Engineering (ICHITRA) 2019, 27 – 28 February 2019 Kuala Lumpur, Malaysia	Effects of Cementation Reagent on the Precipitation of Calcium Carbonate Induced by Bacillus Megaterium	2019	A S Muhammed, M U Zango, K A Kassim, K Ahmad and M Umar

13	IOP Conference Series: Material Science and Engineering, Vo. 527, 11 th International Conference on Geotechnical Engineering in Tropical Regions (GEOTROPIKA) and 1st International Conference on Highway and Transportation Engineering (ICHITRA) 2019, 27 – 28 February 2019 Kuala Lumpur, Malaysia	Compaction Characteristics of Lime-treated Tropical Soil	2019	Muhammad Azril Hezmi, Kamarudin Ahmad , Nor Zurairahetty Mohd Yunus, Khairul Anuar Kassim, Ahmad Safuan A Rashid, Norhidayah Abdul Hassan
14	E3S Web of Conferences, International Conference on Civil and Environmental Engineering (CENVIRON 2017)	Effects of fines content on hydraulic conductivity and morphology of laterite soil as hydraulic barrier	2018	Yamusa, B. Y., Yunus, N. Z. M., Ahmad, K. , Rahman, N. A. and Sa'ari, R.
15	E3S Web Conf., Volume 34, 2018, International Conference on Civil & Environmental Engineering (CENVIRON 2017)	Effects of Fines Content on Hydraulic Conductivity and Morphology of Laterite Soil as Hydraulic Barrier	2018	Yamusa Bello Yamusa, Nor Zurairahetty Mohd Yunus, Kamarudin Ahmad , Norhan Abd Rahman, Radzuan Sa'ari
16	Proceedings of the 1 st Global Civil Engineering Conference GCEG 2017, Lecture Notes in Civil Engineering, 9, Springer	Sustainable design of compacted laterite soil liner	2017	Yamusa, B. Y., Ahmad, K. and Rahman, N. A
17	Proceeding of 2011 IEEE First Conference on Clean Energy and Technology CET 2011, 27 – 29 June 2011, Kuala Lumpur	Compaction Parameters of Kaolin Clay Modified with Palm Oil Fuel Ash as Landfill Liner	2011	Oyeleke Raifu Brown, Mohd Badruddin Mohd Yusof, Mohd Razman Salim and Kamarudin Ahmad
18	Proceeding of 2011 IEEE First Conference on Clean Energy and Technology CET 2011, 27 – 29 June 2011, Kuala Lumpur,	Physico-chemical Properties of Palm Oil Fuel Ash as Composite Sorbent in Kaolin Clay Landfill Liner System	2011	Oyeleke Raifu Brown, Mohd Badruddin Mohd Yusof, Mohd Razman Salim and Kamarudin Ahmad

Non-Index Proceedings

1	IOP Conference Series: Materials Science and Engineering, Vol. 1153, Regional Conference in Civil Engineering & Sustainable Development Goals in Higher Education Institutions (RCCE SDG 2020), 23rd – 25th January 2020, Johor, Malaysia	Effect of Biocementation via Enzymatic Induced Calcium Carbonate Precipitation (EICP) on the Shear Strength of Compacted Clay Liner	2021	MU Zango, KA Kassim, AS Muhammed, K Ahmad , J Makinda
2	IOP Conference Series: Materials Science and Engineering, Vol. 1153, Regional Conference in Civil Engineering & Sustainable Development Goals in Higher Education Institutions (RCCE SDG 2020), 23rd – 25th January 2020, Johor, Malaysia	The Effect of Polyurethane Mix Ratio on the Strength of Polyurethane Treated Marine Clay	2021	JWB Sen, NZM Yunus, S Saleh, K Ahmad , A Rahim, KM Said
3	IOP Conference Series: Earth and Environmental Science, Vol. 646, 3rd International Conference on Civil and Environmental Engineering, 18 November 2020, Malaysia	Investigation of Light Non-Aqueous Phase Liquid penetration in Double-Porosity using Physical Experiment and Computer Simulation	2021	M F Abd Rashid, N Alias, K Ahmad , R Sa'Ari, F T C Tsai, M Z Ramli, Z Ibrahim, M Jumain, M H Jamal, A Abu Bakar and M I Shahrin
4	MATEC Web Conf. Volume 276, 2019 International Conference on Advances in Civil and Environmental Engineering (ICAnCEE 2018)	Screw Driving Sounding Test	2019	Aminaton Marto, Go Sakai, Naoaki Suemasa, Nor Zurairahetty Mohd Yunus, Siti Norafida Jusoh, Kamarudin Ahmad , Muhammad Hatta Mohd Satar
5	IOP Conference Series: Earth and Environmental Science, Volume 220, The 12th International Civil Engineering Post Graduate Conference (SEPKA), The 3rd International Symposium on Expertise of Engineering Design (ISEED) 27–28 August 2018, Johor, Malaysia	Vibration Impact towards Deformable Laterite Soil with Different Moisture Content	2019	Mohd Fadhli Abd Rashid, Noraliani Alias, Kamarudin Ahmad, Mohd Zamri Ramli, Zulkiflee Ibrahim
6	MATEC Web Conf., The 12th International Civil Engineering Post Graduate Conference (SEPKA) – The 3rd International Symposium on Expertise of Engineering Design (ISEED) (SEPKA-ISEED 2018), Vol. 250	Computer Modeling Approach of Leachate Flow in Compacted Laterite Soil Liner	2018	Yamusa Bello Yamusa, Noraliani Alias, Kamarudin Ahmad , Radzuan Sa'ari, Loke Kok Foong

7	MATEC Web Conf., The 12th International Civil Engineering Post Graduate Conference (SEPKA) – The 3rd International Symposium on Expertise of Engineering Design (ISEED) (SEPKA-ISEED 2018), Vol. 250	Stabilization of Marine Clay Soil using Polyurethane	2018	Samaila Saleh, Nur Zurairahetty Mohd Yunus, Kamarudin Ahmad , Nazri Ali
8	Proceedings of the 2nd International Conference on Separation Technology (ICoST) 2017, 15 – 16 April 2017, UTM Johor Bahru	Review on fundamental engineering properties of compacted laterite soil	2017	Yamusa Bello Yamusa, Kamarudin Ahmad , Ahmad Safuan A. Rashid and Norhan Abd Rahman
9	ASIA International Multidisciplinary Conference (AIMC 2017), 1 – 2 May 2017, UTM Johor Bahru	Geotechnical characteristics of compacted laterite soil at different fines content for landfills	2017	Yamusa, Y. B., Ahmad, K. and Rahman, N. A
10	Proceedings of the 11th International Civil Engineering Postgraduate Conference – The 1st International Symposium on Expertise of Engineering Design (SEPKA – ISEED '16), 26 – 27 Sept 2016, Faculty of Civil Engineering, UTM Johor Bahru	Gradation effect review on hydraulic conductivity and shear strength properties of compacted laterite soil liner	2016	Yamusa, Y. B., Ahmad, K and Rahman, N. A.
11	Proceedings of the 2nd International Conference on Science, Technology and Social Sciences (ICSESS 2016), 29 May – 1st June 2016, UTM Johor Bahru,	Effects of Gradation on Shear Strength Properties of Compacted Laterite Soil Liner: A Review	2016	Yamusa Bello Yamusa, Kamarudin Bin Ahmad , Norhan Abd Rahman
12	Proceeding of Research Seminar in Civil Engineering (SEPKA 2011)	Experimental Modelling of Light Non-Aqueous Phase Liquid Migration in Dual-Porosity Soil	2011	Ngien Su Kong, Norhan Abd. Rahman and Kamarudin Ahmad
13	Proceeding of the First National Conference on Natural Resources (NCRN2010), 18th – 19th May 2010, Kota Bharu, Kelantan	NAPL Contamination in Groundwater for Double-Porosity Featured Sub-Surface Systems	2010	Ngien Su Kong, Norhan Abd. Rahman, Kamarudin Ahmad and Roland W. Lewis
14	Proceeding of Persidangan Kebangsaan Hidrologi & Alam Sekitar (HIDRAS2010), 23rd – 24th June 2010, Batu Pahat, Johor	Laboratory Experiment on Light Non-Aqueous Phase Liquid Migration Effect in Dual-Porosity Soil	2010	Ngien Su Kong, Norhan Abd. Rahman, Kamarudin Ahmad , Zaidatul Sheila Kamarulzaman and Roland W. Lewis

15	Proceeding of the Third International Graduate Conference on Engineering, Science and Humanity (IGCESH2010), 2nd – 4th November 2010, Universiti Teknologi Malaysia, Skudai, Johor	A Double-Porosity Multiphase Groundwater Flow Model	2010	Ngien Su Kong, Norhan Abd. Rahman, Kamarudin Ahmad and Roland W. Lewis
16	National Seminar on Civil Engineering Research (SEPKA 2006), 19-20 Dec 2006, Universiti Teknologi Malaysia	Effects of H ₃ PO ₄ Concentrations on Strength Increases of a Tropical Residual Soil	2006	Kamarudin Ahmad , Muhammad Azril Hezmi and Khairul Anuar Kassim
17	National Seminar on Civil Engineering Research (SEPKA 2006), 19-20 Dec 2006, Universiti Teknologi Malaysia,	Comparison between River Sand and Standard Sand (Silica) for Field Density Testing Using Sand Replacement Method	2006	Khairul Anuar Kassim, Ahmad Safuan A Rashid, Muhammad Azril Hezmi and Kamarudin Ahmad
18	Seminar Kebangsaan Penyelidikan Kejuruteraan Awam (SEPKA 2005) 5-6 Julai 2005, Universiti Teknologi Malaysia,	Compressibility of H ₃ PO ₄ -Treated Soils	2005	Kamarudin Ahmad , Muhammad Azril Hezmi and Lam Chee Siang
19	Seminar Kebangsaan Penyelidikan Kejuruteraan Awam (SEPKA 2005) 5-6 Julai 2005, Universiti Teknologi Malaysia,	Relationship between Geotechnical Engineering Properties of Remolded Residual Soil with Plasticity Index	2005	Muhammad Azril Hezmi, Kamarudin Ahmad and Masyitah Md Nujid
20	Malaysia-Japan Symposium on Geohazards and Geoenvironmental Engineering: Recent Advances, Universiti Kebangsaan Malaysia	Electrokinetically Injected Phosphate Ions to Strengthen a Saturated Tropical Residual Soil	2004	Kamarudin Ahmad , Mohd Raihan Taha and Khairul Anuar Kassim
21	Seminar Penyelidikan Kejuruteraan Awam (SEPKA 2004), Universiti Teknologi Malaysia	Voltage Gradients, Current Density and Soil Resistivity in Electrokinetic Processing	2004	Kamarudin Ahmad , Khairul Anuar Kassim and Mohd Raihan Taha
22	4th BGA Conference, Cardiff, UK,	Compressibility of an Electrokinetically-Treated Residual Soil	2004	Mohd Raihan Taha, Kamarudin Ahmad and Khairul Anuar Kassim
23	Malaysian Geotechnical Conference 2004, IEM, Kuala Lumpur	Shear Resistance of an Electrokinetically-treated Residual Soil	2004	Kamarudin Ahmad , Mohd Raihan Taha and Khairul Anuar Kassim
24	JSPS-VCC, Kyoto University, Japan	Compressibility of Electrokinetically Treated Tropical Residual Soil	2003	Kamarudin Ahmad , Mohd Raihan Taha and Khairul Anuar Kassim

25	Advance Seminar on Soft Soil Engineering Technology, ASSET2, Univ. Putra Malaysia, Kuala Lumpur,	Electrokinetic on a Tropical Residual Soil	2003	Khairul Anuar Kassim, Mohd Raihan Taha and Kamarudin Ahmad
26	10th Scientific Conference Electron Microscopy Society of Malaysia, Kuala Lumpur	Scanning Electron Microscopy Study on Lime-Treated Contaminated Kaolin	2001	Khairul Anuar Kassim and Kamarudin Ahmad
27	6th Geotechnical Engineering Conference GEOTROPIKA 2001, UTM and UNIMAS, Kuching, Sarawak	SEM Study on Lime-Treated Contaminated Kaolin: Strength and Hydraulic Conductivity	2001	Khairul Anuar Kassim and Kamarudin Ahmad
28	Stability and Performance of Slopes and Embankments – II, ASCE, University of California, Berkeley, USA	Design of Anchored Geosynthetics System for Slope Stabilization	1992	Roman D. Hryciw and Kamarudin Haji-Ahmad
EXPERT REPORT				
1	Cracking Investigation at Shell Petrol Station Building, Jln Besar Kluang, Johor		2018	Izni Syahrizal, Mohd Azreen Bin Mohd Ariffin, Kamarudin Bin Hj Ahmad , Nor Zurairahetty Mohd Yunus
2	Preliminary study on the National Groundwater potential in Peninsular Malaysia		2008	Norhan Abd Rahman, Kamarul Azlan Nasir, Kamarudin Ahmad
3	Geotechnical independent checker for interchange at Jln Abu Bakar and Jln Yahya Awal, Johor Bahru		2008	Ir Mohd Salleh Yassin, Kamarudin Ahmad
4	Preliminary environmental impact assessment for thr proposed hotel resort on Pulau Tuba, Langkawi		1996	PM Zainuddin Shamsuddin, Kamarudin Ahmad
5	Environmental impact assessment on the sand mining activity for the development of Pulau Melaka, Melaka		1996	PM Zainuddin Shamsuddin, Kamarudin Ahmad

6	Preliminary assessment of excavation, dredging and land reclamation for the development of Bandar Baru Kerteh, Terengganu	1995	PM Zainuddin Shamsuddin, Kamarudin Ahmad
7	Interpreting subsurface exploration data and assessing the effect of land clearing on the environment for the proposed Bakri Industrial Estate, Muar, Johor	1995	PM Zainuddin Shamsuddin, Kamarudin Ahmad
8	Environmental impact assessment for the proposed development in Pulau Sibul Tengah, Mukim Pulau Sibul, Mersing, Johor	1995	PM Zainuddin Shamsuddin, Kamarudin Ahmad
9	Study on the potential impacts of dredging of sea sand and land reclamation for a proposed commercial center in Alai, Melaka	1995	PM Zainuddin Shamsuddin, Kamarudin Ahmad
10	Interpretation of subsurface exploration data and preparation of construction program for the proposed hotel development on Jln Sulaimani, Kemaman, Terengganu	1995	PM Zainuddin Shamsuddin, Kamarudin Ahmad
11	Study on soil characteristics and impacts of land clearing on the environment for the proposed national sheep-breeding farm in Rompin, Pahang	1994	PM Zainuddin Shamsuddin, Kamarudin Ahmad
12	Preliminary study on the effects of land clearing and construction of a cove and a golf course resort in Pulau Besar, Melaka	1994	PM Zainuddin Shamsuddin, Kamarudin Ahmad
13	Site investigation and data interpretation for the preparation of national groundwater quality monitoring network in Sg Besi Kuala Lumpur and Panji, Kelantan	1994	Wan Mokhtar Wan Nawang, Norhan Abd Rahman, Muhammad Nassir Hanafi, Kamarudin Ahmad
14	Subsurface exploration and data interpretation for the preparation of national toxic waste disposal site master plan in Kota Tinggi, Johor and Bkt Mak Indah, Terengganu	1994	Wan Mokhtar Wan Nawang, Norhan Abd Rahman, Muhammad Nassir Hanafi, Kamarudin Ahmad
15	Interpretation of geological and soil data, study on the consequences from dredging of batang Baram and site improvement using surcharge and vertical drains for the proposed Miri new port in Kuala Baram, Sarawak	1994	PM Zainuddin Shamsuddin, Kamarudin Ahmad

PLENARY/CHAIRPERSON/ORAL POSTER PRESENTER/KEYNOTE ADDRESS / INVITED GUEST SPEAKER

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1	Panel	Expert Panels Discussion on Seismic Hazard in Malaysia	8 July 2021	Online Kuala Lumpur
2	Keynote	International Forum on Integrated Infrastructure Development (InFIInID)	22 Sept 2021	Online UTM-UNISSULA
3	Invited	9th ASEAN Civil Engineering Conference (ACEC) 2016 & 6th Brunei International Conference on Engineering and Technology (BICET) 2016: Symposium 14 -15 November 2016 AUN/SEED	14 – 15 Nov 2016	Univ Teknologi Brunei
4	Chair (session)	GEOCON	2013	Persada Johor Bahru

PROFESSIONAL SERVICES

Consultation and Training

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1	Trainer	Foundation design for JKR engineers Sarawak	21 Jun 2021	Online - Kuching Sarawak	1600.00

Community and University Services

NO	ROLE	TITLE OF PROGRAMME	DATE	LEVEL	LOCATION
1	Geotechnical (SI)	Construction of 3-storeys new building	1998	Daerah	Sekolah Rendah Islam Hidayah
2	Geotechnical (SI)	Construction of 3-storeys new building	2012	Daerah	Sekolah Men Islam Hidayah
3	Geotechnical (SI)	Construction of extension building	2015	Daerah	Sekolah Men Islam Hidayah
4	Geotechnical (SI)	Construction of 2double storey nursery building	2019	Daerah	Sekolah Islam Hidayah
5	Ahli	Kelab Keluarga SKA	To date	Fakulti	Sekolah Kejuruteraan Awam

6	Technical committee	Ground Investigation Using Screw Driving Sounding Untuk Projek Pembinaan	Aug 2018 – Sept 2018	Universiti	Sekolah Agama, Universiti Teknologi Malaysia
7	Invited participant	Rail Academic Workshop	Dec 2017 (one day)	National	Putrajaya

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NO	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	Remark
1	Geotechnical Designs: solutions to problems (5th edition)	Approved	IP/CR/2019/1069
2	Geotechnical Designs 1: solutions to problems (4th edition)	Approved	IP/CR/2018/0712
3	SKAB Curriculum For Bachelors Degree Of Civil Engineering Utm	Approved	
4	Self Assessment Report MKAJ -Faculty Of Civil Engineering Universiti Teknologi Malaysia	Approved	
5	Self Assessment Report for Self Accreditation: Engineering Doctorate (Construction Technology And Management)	Approved	IP/CR/2019/0833
6	Self Assessment Report for Self Accreditation: Master In Engineering Transportation	Approved	
7	Master Of Engineering Civil-Geotechnics Programme Handbook	Approved	
8	Geotechnical Designs 2: Steps to solutions	Approved	LY2021E05436
9	Geotechnical Design 1: Steps explained (Slope Design)	Approved	LY2021E07042

PAPER REVIEWER

NO	YEAR	TITLE	JOURNAL	LEVEL
1	2016	The Effects of Weathering on Disintegration and Shear Strength of Clay Shale	Journal Teknologi, UTM	International
2	2016	Attenuation Capacity of Compacted Granite Residual Soil mixed with Palm Oil Fly Ash Liner for Treating Landfill Leachate	Journal Teknologi, UTM (Special Issue)	International
3	2016	Rock Bearing Resistance of Bored piles Socketed into Rock	Journal Teknologi, UTM (Special Issue)	International
4	2016	Damping Ratio Determination of Expanded Polystyrene (Eps) – Sand Mixture for Lightweight Fill	Journal Teknologi, UTM (Special Issue)	International

5	2016	Preliminart Seismic Vulnerability Assessment of Kundasang, Sabah	Journal Teknologi, UTM (Special Issue)	International
6	2016	Alternative Slope Stability Model of Batang Anai River in West Sumatra	Journal Teknologi, UTM (Special Issue)	International
7	2016	Undrained Shear Strength of Soft Clay Mixed with Various Percentages of Silica Fume	Journal Teknologi, UTM (Special Issue)	International
8	2018	Efficient utilization of flue gas desulfurization (FGD) gypsum for producing high performance slag concrete	Journal of Cleaner Production	International
9	2018	An Investigation of Settlement At Bridge Approach on Soft Soil Area in Batu Pahat, Johor	GEOCHITRA (seminar)	International
10	2018	Laboratory Study of Blended Lime-GGBS Slag on the Strength of Laterite".	GEOCHITRA (seminar)	International
11	2018	Influence of reconstituted peat (segregation size and pre-consolidation pressure) on the effective shear strength properties	ISEED – SEPKA 18 (seminar)	International
12	2018	Efficient utilization of flue gas desulfurization (FGD) gypsum for producing high performance slag concrete	Journal of Cleaner Production	International
13	2019	Bottom Ash Utilization: A Review of Engineering Applications and Environmental Aspects	GEOCHITRA (seminar)	International
14	2019	Influence of Tree Type to Suction Development and the Stability of Slope	GEOCHITRA (seminar)	International
15	2019	Prediction of physical soil properties using seismic data of bender element	Journal of Applied Science and Engineering.	International
16	2019	Engineering Behaviour of MICP treated Marine Clays	Journal of Marine Georesources & Geotechnology	International
17	2019	Residual lateritic clay as a potential seepage barrier from a karst-depression tailings impoundment in the Gejiu Tin Mine	Journal of Engineering Geology	International
18	2020	Comparative study of the influence of the type of water on the physical and mechanical properties of clay soils	Malaysian Journal of Civil Engineering	International
19	2020	Study on the mechanical properties of the two-component foaming polyurethane (TFPU) grouting material of different geometric size under uniaxial compression	Journal of Construction & Building Materials	International
20	2020	Comparative study of the influence of the type of water on the physical and mechanical properties of clay soils	Malaysian Journal of Civil Engineering	International
21	2021	Stability Analysis Proposal of	INFINID 2021 (seminar)	International

		Raising Concrete Check Dam		
22	2021	On the Classification of Marine Clays Marine Georesources and Geotechnology.	Journal of Marine Georesources and Geotechnology	International
23	2021	Influence of Pore Fluid-Soil Structure Interactions on Compacted Lime-treated Silty Soil	Engineering Geology	International
24	2021	Effect of Gum Arabic Content on Maximum Dry Density and Optimum Moisture Content of Laterite Soil	Heliyon	International
25	2021	The Influence of Soil Composition on the Strength of Stabilized Soil	Journal of Building Pathology and Rehabilitation	International
26	2021	Effects of Compressive Creep and Temperature Cycling on Sand and High-density polyethylene Geomembrane Interface Shear Strength	Arabian Journal of Geosciences	International
27	2021	Comparison of different treatment methods on macro-micro characteristics of bio-cementation marine sand	Journal of Marine Georesources and Geotechnology	International
28	2022	Effects of Compressive Creep and Temperature Cycling on Sand and High-density polyethylene Geomembrane Interface Shear Strength	Arabian Journal of Geoscience	International
29	2022	Effect of gum Arabic content on maximum dry density and optimum moisture content of laterite soil	Heliyon	International