

SEAGC 2018
Pre-conference Workshops: Soil Improvement for Mega Infrastructure
HIMPUNAN AHLI TEKNIK TANAH INDONESIA
Day 1: Monday, November 5, 2018

Session	Time	Duration, h:m	Topic	Speaker	MC/Moderator
Registration	7:00 - 8:00	1:00	Registration		
Opening	8:00 - 8:10	0:10	Opening Speech	Dekan Fakultas Teknik Podomoro & Ketua Panitia	MC
Work Shop Opening+Keynote Speech	8:10 - 9:10	1:00	Bamboo Pile Matress System as an Alternative of Soft Ground Improvement for Coastal Embankment*	Prof. Masyhur Irsyam	Prof Widjojo A. Prakoso
Discussion	9:10 - 9:20	0:10	Discussion		
Break	9:20 - 9:35	0:15	Coffee break - exhibition		MC
Keynote Speech	9:35 - 10:35	1:00	Problematic Soils in Indonesia and Lesson Learned from Geotechnical Failures	Prof. Paulus P. Rahardjo	DR. Idrus Alatas
Discussion	10:35 - 10:45	0:10	Discussion		
Keynote Speech	10:45 - 11:45	1:00	Vacuum Preloading for Land Reclamation Projects	Prof. Chu Jian	Prof. Ramli Nasir
Discussion	11:45 - 11:55	0:10	Discussion		
Lunch	11:55 - 12:55	1:00	Lunch and pray		MC
Keynote Speech	12:55 - 13:55	1:00	Deep Compaction for Land Reclamation Projects	Ir. Kenny yee	DR. Pintor TS, Meng.
Discussion	13:55 - 14:05	0:10	Discussion		
Break	14:05 - 14:20	0:15	Coffee break - exhibition		MC
Keynote Speech	14:20 - 15:20	1:00	Mega Infrastructure Soil Improvement Technology and Case Study	Dr Liu Yu	YP Chandra, M.Eng.
Discussion	15:20 - 15:30	0:10	Discussion		
Closing One day Workshop	15:30 - 15:40	0:10	Dr. Didiek J.		MC

SEAGC 2018
20th SOUTHEAST ASIAN GEOTECHNICAL CONFERENCE & 3rd AGSSEA CONFERENCE 2018
PIT HATTI XXII - HIMPUNAN AHLI TEKNIK TANAH INDONESIA
Day 2: Tuesday, November 6, 2018

Session	Time	Duration, h:m	Topic	Speaker	MC/Moderator
Registration	7:00 - 8:30	1:30		Registration	Secretariat
Welcoming Remarks	8:30 - 8:35	0:05		Chairman of Committee - SEAGC 2018	MC
Welcoming Remarks	8:35 - 8:40	0:05		HATTI President, Prof Masyhur Irsyam	
Welcoming Remarks	8:40 - 8:45	0:05		SEAGS President, Prof. San-Shyan S. Lin PhD	
Welcoming Remarks	8:45 - 8:50	0:05		AGSSEA President: Dr. Noppadol Phienwej	
Welcoming Remarks	8:50 - 8:55	0:05		ISSMGE President, Prof. Charles Wang Wai Ng	
Opening	8:55 - 9:05	0:10		Chairman of the Engineering Commission of Indonesian Academy of Science: Prof Dr Aman Wirakartakusumah	
Welcoming Remarks and Keynote Speech	9:05 - 9:35	0:30		Opening-PUPR Minister: Ir. Basoeki Hadimoeljono, M.Sc., Ph.D.	Prof. Paulus P. Rahardjo
				Keynote Speaker 1: Ir. Mochamad Basoeki Hadimoeljono, M.Sc., Ph.D.-Menteri PUPR	
Entertainment	9:35 - 9:45	0:10		Traditional Dancer/Choir	UI Dancer/Choir
Break	9:45 - 10:00	0:15		Coffee break - exhibition	MC
Keynote Speech Session 1	10:00 - 10:35	0:35		Keynote Speaker 2 : Prof. Charles Wang Wai Ng-" Wastes Cover Wastes: A Novel, Scientific and Environmentally Friendly Approach for Landfilling"	Dr. Noppadol
	10:35 - 11:10	0:35		Keynote Speaker 3: Prof. Masyhur Irsyam - HATTI - "Damages Associated with Geotechnical Problems in Palu Earthquake 2018"	
	11:10 - 11:25	0:15		Discussion	
Technical Session	11:25 - 11:45	0:20		Technical Session 1: "The State of Practice of In-situ Tests for Design, Quality Control and Quality Assurance of Ground Improvement Works" - Mr. Serge varaksin, Menard	MC
Lunch	11:45 - 12:45	1:00		Lunch and pray	MC
Keynote Speech Session 2	12:45 - 13:20	0:35		Keynote Speaker 4: Prof. Askar Zhussupbekov-"Piling Construction and Testing of Megastructures on Problematical Soil Ground of Kazakhstan"	Prof. Suttisak
	13:20 - 13:55	0:35		Keynote Speaker 5: Prof. Ikuo Towhata-Kanto Gakuin University, Japan "Serious Lessons Learnt from Big Project"	
Discussion	13:55 - 14:10	0:15		Discussion	
Break	14:10 - 14:30	0:20		Coffee break - exhibition	MC
Keynote Speech Session 3	14:30 - 15:05	0:35		Keynote Speaker 6: Prof. Eun Chul Shin-Korea University, South Korea Topic: "Stability Analysis of Buried Waste Water Pipe Line in Soft Ground"	Dr. Leong Kam Weng
	15:05 - 15:40	0:35		Keynote speaker 7: Dr. Noppadol Phien-wej - Asian Institute of Technology, Thailand Topic: "Increasing Geotechnical Challenges in the Design and Construction Planning of the Third Phase Bangkok MRT Underground Project"	
Discussion	15:40 - 15:50	0:10		Discussion	
Technical Session	15:50 - 16:10	0:20		Technical Session 2: Menard	MC
Technical Session	16:10 - 16:30	0:20		Technical Session 3: Geotekindo	MC
Technical Session	16:30 - 16:50	0:20		Technical Session 4: GeoMil	MC
Sosialisasi SNI	16:50 - 17:05	0:15		HATTI Representatives	YP. Chandra
Sosialisasi ARC 2019	17:05 - 17:15	0:10		ARC Representatives	Benson Hsiung
Doorprize	17:15 - 17:20	0:05		Doorprize and gift from sponsor	MC
Closing 1st day	17:20 - 17:25	0:05		HATTI Representative	Dr. Didik Djarwadi
	17:25 - 19:10	1:45		Break	
Gala Dinner	19:10 - 21:10	2:00		Gala Dinner	All Participants

SEAGC 2018
20th SOUTHEAST ASIAN GEOTECHNICAL CONFERENCE & 3rd AGSSEA CONFERENCE 2018
PIT HATTI XXII - HIMPUNAN AHLI TEKNIK TANAH INDONESIA
Day 3: Wednesday, November 7, 2018

Session	Time	Duration, hh:mm	Speaker	MC/Moderator	MC/Moderator							
Reregistration	7:00 - 8:00	1:00	Reregistration		Secretariat							
Keynote Speech Session 4, Invited Lecture & Technical Session	8:00 - 8:30	0:30	Keynote speaker 8: Prof. Chu Jian-Nanyang Technological University, Singapore- "New Solutions to Geotechnical Challenges for Mega Coastal Cities"		Dr. Yee Yew Weng							
	8:30 - 9:00	0:30	Keynote Speaker 9: Prof. Chang-Yu Ou National Taiwan University of Science and Technology, Taiwan Topic: Use of Strut Free Systems in Deep Excavations"									
	9:00 - 9:15	0:15	Discussion									
	9:15 - 9:35	0:20	Technical Session 5: BAUER Pratama Indonesia		MC							
Break	9:35 - 9:55	0:20	Coffee break - exhibition		MC							
Session 1	9:55 - 11:25	1:30	1	Kelas A-1, Pile - Roesjanto, Hakam	20	Kelas B-1, FEM - Agus Muntohar, Budianto W	39	Kelas C-1, EarthQuake - Asrurifak, Ardy Arsyad	58	Kelas D-1, Soil Improvement - GTL, Rustamadji	76	Kelas E-1, Indonesia, Wayan Redana, Fahmi
			2		21		40		59		77	
			3		22		41		60		78	
4			23		42		61		79			
5			24		43		62		80			
6			25		44		63		81			
7			26		45		64		82			
8			27		46		65		83			
9			28		47		66		84			
	11:25 - 11:40	0:15	Discussion		Discussion		Discussion		Discussion		Discussion	
Lunch	11:40 - 12:40	1:00	Lunch and pray									
Session 2	12:40 - 14:10	1:30	10	Kelas A-2, Pile & Instrument - Sindhu, Helmy	29	Kelas B-2, Soil Mechanics & Lab - Erza R, Wiwik	48	Kelas C-2, Slope - Faisal Fathani, Rinda K	67	KelasD-2, Soft Soil - Indarto, Gogot	86	Kelas E-2, Deep Excavation - Irawan Firmansyah, Suparman
			11		30		49		68		87	
			12		31		50		69		88	
13			32		51		70		89			
14			33		52		71		90			
15			34		53		72		91			
16			35		54		73		92			
17			36		55		74		93			
18			37		56		75		94			
19	38	57		95								
	14:10 - 14:25	0:15	Discussion		Discussion		Discussion		Discussion		Discussion	
Break	14:25 - 14:45	0:20	Coffee break - exhibition		MC							
	14:45 - 15:05	0:20	Technical Session 6: Karir Rakyat Indonesia									
Keynote Speech session 5 & Best winner	15:05 - 15:35	0:30	Keynote speaker 10: Prof. Paulus P. Rahardjo-Universitas Katolik Parahyangan, Indonesia-Topic: "Behavior of Pile and Pile Group Foundation for High Rise Buildings on Expansive Soils"		Phung Duc Long							
	15:35 - 16:05	0:30	Keynote speaker 11: Dato' Dr. Ir. Gue See Sew CEO of G & P Professionals, Malaysia Topic: "Challenges in Design and Construction of Deep Excavation and Case Histories"									
	16:05 - 16:35	0:30	Keynote speaker 12: Ir. Kenny Yee Hons. Secretary-General of AGSSEA Topic: "Mega Reclamation Projects: Challenges and Lessons Learned in Soil Improvement Works and Acceptance Tests"									
	16:35 - 16:50	0:15	Discussion									
	16:50 - 17:10	0:20	Technical Session 7: Liebher		MC							
Best	17:10 - 17:15	0:05	Announcement of the best paper		Prof. Masyhur Irsyam							
General Discussion and Doorprize	17:15 - 17:45	0:30	HATTI member sharing time		DR. Bigman MH							
	17:45 - 17:55	0:10	Doorprize and gift from sponsor		MC							
Closing Remarks	17:55 - 18:00	0:05	HATTI Representatives		DR. Pintor							

SEAGC 2018
 20th SOUTHEAST ASIAN GEOTECHNICAL CONFERENCE & 3rd AGSSEA CONFERENCE 2018
 PIT HATTI XXII - HIMPUNAN AHLI TEKNIK TANAH INDONESIA
 Day 3: Wednesday, November 7, 2018

Date	Time	Duration	Speaker	MC/Moderator	MC/Moderator		
			A1 - Pile (TC 212)	B1 - FEM (TC 103)	C1 - Earthquake	D1 - Soil Improvement	E1 - Indonesian Class
Session 1	9:55 - 11:25	1:30	1 Design and Construction of Foundation System for Malaysia First Drawbridge at Kuala	20 A Case Study On Monitoring and Numerical Analysis of Groundwater Variation and Inclinometer	39 Evaluation of Remedial Works for a Spillway on Landslide-dammed Lakes by an Earthquake, a Case	58 Applying In Situ Debris-cement Mixtures to the Ground Improvement of Bank in Wild Creeks (Juwang)	76 Aplikasi Metode Elemen Hingga dan Kriteria Runtuah Papaliangas Batuwan Berkekar : Problem-Problem
			2 Advancement of Bearing Capacity and Settlement Analyses of Piled-Raft Foundation	21 Numerical Simulations of an Excavation Case in Jakarta by Hypoplasticity Model for Clays (Melisa)	40 A Comparison Between VS30 Based- and Natural Frequency Based-Site Amplification Factor for Three	59 Dynamic Compaction of Lateritic Fill for Property Development (Richard Ong and Marini Mardhi)	77 The Application of Active Lime & Cement as Soil Stabilization Material (Renggo Ginanjar, Wilham G.
			3 Effect of Intermediary Weak Layer on The Behaviour of Piled Raft (Venkatraman Balakumar)	22 3D Finite Element Analysis of Deep Excavation in Central Jakarta using Total and Effective Shear	41 Maps of Corner Period (Tc) of Response Spectra In City of Jakarta (Defebriyadi/Delebriyadi)	60 Settlement Ratio Determination of Vacuum Preloading Soil Improvement Technique (Case Study)	78 Perbandingan Analisa Perkuatan Lereng dengan Jangkar : Program dan Manual (Wawan Kusnaya and
			4 Analysis of In Situ Laterally Loaded Tests on Caisson Foundations (Junn-Shyung Chou and Cheng-	23 Plane Strain Ratio and Waling Size Evaluation of Deep Excavation in Kuala Lumpur Using 3D Finite	42 Analysis of Bedrock Synthetic Ground Motion on Bandung City using PSHA Method (Anjan Jaya)	61 The Settlement Evaluation of Improved Soft Clay Using LECA Replacement Technique (Achani Zukri)	79 Slope Stability Analyses using Probabilistic Approach (A Case study in Grobogan, Central Java) (Febriansyah
			5 Study of Bored Pile Capacity in Klang Valley Residual Soil Based on Field- Performance Data	24 Assessment of Mechanical Behavior of Granular Soils Adopting Various Plasticity Models (Deepa Pillai, Anitha	43 Influence of Cyclic Behaviour of Vibratory Pile Driving And Surging on Pile Performance Observed in Model	62 Performance of Helix Piled Raft in Tropical Fibrous Peat Soil under Traffic Loads (Ardy Arsyad, Ahmad Bakri)	80 Perancangan Proteksi Galian Dalam Dengan Soldier Pile : Studi Kasus : Underpass Pada Pusat
			6 Foundation Value Engineering & Underpinning Using Micropile for Building Upgrading Works	25 Remediation of Oil Tank Using PLAXIS 3D (Anthony Gunawan)	44 Dynamic Compaction at New Yogyakarta International Airport for Liquefaction Mitigation	63 Effect of Compaction on Liquefaction of River Sand and Sea Sand in Hai Phong City, Vietnam (Chau Lan	81 Study of Slope Failure and Reinforcement Analysis to Restore and Increase the Slope Stability in Flores,
			7 Interpretation on Performance of Two Drilled Shafts Subjected to Tensile Loading Considering Pile Settlement Uncertainty in Jakarta, Indonesia (Bendon Satrio and Widjojo Adi Prakoso)	26 Dynamic Analysis of Underwater Tunnets (Akhtla Babu, Anitha S D and Nimmy Mariam Abraham)	45 Field Identification of Active Fault Nearby the Footprint of the Dam (Diltek Djurwadi, D.H. Natuwidjaja	64 Proposal of Permeability Evaluation Method of Suspension Grout (Kentaro Umara, Takamitsu Sasaki)	82 Study on The Effects of Vibration due to Pile Driving by Empirical Formulas and Continuous Monitoring
			8 Prediction of Excess Pore Pressure Due to Pile Driving Based on CPTU (A. Arifianto) and P.P.	27 3D Finite-Element Analysis on Behaviours of Pile Group and Piled Raft Foundation Models Subjected	46 Seismic Analysis of El-Agrem Concrete Face Rockfill Dam (Merouane Abdellawai and Belbacem Moussai)	65 Compacted Polymer-Enhanced Bentonite-Sand Mixture – Behaviour and Potential Applications (Aqus	83 Pengaruh Tahanan Ujung Tiang dan Faktor Aman Terhadap Lendutan Pelat Terpaku Tiang Tunggal
				28 Finite Difference Analysis of Raft Foundations under Vertically Static Loads (Der-Wen Chang and Han-Wei	47 Effects of Vibrating Frequency of a Plate Compactor on Soil Density (Yung-Shou Fang)	66 Geosynthetic Reinforced Road Structure as Fast Rehabilitation for a Typhoon Disaster (Hermina Ho, Jeff	84 Estimasi Modulus Resilien dari uji CBR pada Tanah Lempung distabilisasi Abu Vulkanis dan Kapur (Dwi
					85 Efek EPS Geofom sebagai Material Pengisi terhadap Nilai CBR Laboratorium pada Tanah Kohesif Darah		
	11:25 - 11:40	0:15	Discussion	Discussion	Discussion	Discussion	Discussion
Lunch	11:40 - 12:40	1:00	Lunch and pray				

			A2 - Pile & Instrumentation	B2 - Soil Mechanics & Lab.	C2 - Slope Stability	D2 - Soft Soil	E2 - Deep Excavation & Tunnel
Session 2	12:40 - 14:10	1:30	10 Application of Newly Developed Real-Time Website-based GIS Monitoring in Tunnelling (<i>Christian Luis</i>)	29 Determining Unsaturated Soil Properties Through Parameter Estimation (<i>Ibrahim Ibrahim</i>)	48 Using Time Domain Reflectometry for Monitoring Slope Movement in the Jufenershan Landslide	67 The use of the Observational Method in the Deep Excavations for the Realization of a Residential	86 Prediction of the Geological Condition for Pipe Jacking Base on the Data Collected in the Shafts (<i>Juan</i>)
			11 ERT-Based Leakage Tracing for Dam Safety and Its Potential Sliding Surface (<i>Helmi Wang, Chih-Hsin Hu</i>)	30 Stochastic Estimation of Consolidation Settlement of The Upper Pleistocene Clay Layer	49 Application of Data Mining Technique to Complement Photogrammetric Roughness Data	68 Reliability Assessment on Deep Braced Excavations Adjacent to High Slopes in Mountain Cities (<i>Bunhong</i>)	87 Study for Structural Performance of Steel Sheet Piles Used for Retaining Wall (<i>Ela Susanto, Matsui Nobuyuki</i>)
			12 Dynamic p-y Curves for a Single Pile by 1g Shaking Table Tests (<i>Sungsoom Jeong</i>)	31 Volcanic Cohesive Soil Behavior under Static and Cyclic Loading (<i>Wa Ole Sumartini, Hemanta</i>)	50 Numerical Simulation of Some Debris Flow Events in Central Java for Predicting Run-out Distributions	69 Numerical Investigation of Wall Deflections Induced by Braced Excavations in Sands (<i>Hou Zhongjie, Zhang</i>)	88 Protection of the Existing Railway Tunnels from an Adjacent Deep Excavation (<i>Luang-Ewa, Chang, J-Chou</i>)
			13 Design Method for Bottom Single Blade Steel Rotation Pile Foundation : Case study in Vietnam	32 Screw Driving Sounding Test for Soil Identification and Classification (<i>Aminatun Marjo, Go</i>)	51 Channeled landslide Protection Using Flexible Barriers (<i>Thomas Hengstemer, Pasola, Rhanzola and</i>)	70 Singapore Downtown Line 3 - Tunnelling Challenges in Soft Soil and Under Conserved Structures (<i>Michael</i>)	89 Bored Pile Retaining Wall Solutions for Earthquake Slip 6 AT Ohau Point, Kaikoura, New Zealand.
			14 Active Shaking Tests of Pile Foundation Models in Dry Sand Ground (<i>Kohel Kanda, Anh Tuan Vu and</i>)	33 Argillaceous Rock Properties Changes Due to the Weathering Process (<i>Udrus M. Alatas, Masbur</i>)	52 Research on Failure of Aeolian Sand Roadbed Slope Through Laboratory Static Load Test (<i>Yihsun Dows and</i>)	71 Seasonal Variation of Water Content and Pore-water Pressure Distribution in Vegetated Soil Slope (<i>Nurly</i>)	90 Effects of Cross Wall to the System Stiffness of Deep Excavations in Clay (<i>Zhi-Yun Wang, Bin-Chen Benson</i>)
			15 Estimating Pile Axial Bearing Capacity by c-phi' Derived from Pressuremeter Test (<i>Tju Liang Gwee</i>)	34 Investigation of Aqueous Phase Liquids Migration in Double-Porosity Soil under	53 Stability Analysis of an Overall Failure Excavation Case in Hang Zhou (<i>Tuan Nohia Do</i>)	72 Strength Characteristics of Cement-treated Peat in Sumatera Island, Indonesia (<i>Hirochika Hayashi, Takahito</i>)	91 Ground Surface Settlement Induced by Diaphragm and Buttress Walls Installation: Numerical Study
			16 Volume Measurement for Heavy Pounding Induced Craters and Ground Heave (<i>Amalia Ula, Hashiyah, Hana</i>)	35 Lessons Learned from Pressuremeter Tests on Stone Columns (<i>Richard Qua</i>)	54 Effect of the Initial Suction Boundary on the Slope Failure of Volcanic Residual Soil (<i>Aeoa Sero Mantohar</i>)	73 Basement Excavation in Soft Marine Clay in Bukit Tinggi, Klang, (Sharmesaw S.)	92 Evaluation of Surface Settlement and Lateral Displacement During Tunnel Construction Using 3D
			17 Potentiality of Boehmeria Nivea as Alternative Material in the Production of Geotextile (<i>Oliver Celis, Catalino Mendez, Ernesto Villarica, Ederick Songahid and Ann Krischel Hipolito</i>)	36 Correlations Between Gradation, Physical and Mechanical Parameters for Material Embankments Reclamation (<i>Herman Wahyudi and Yudhi Lastiasih</i>)	55 Design of Simple Drapery Systems for Rock Cuts and Natural Slopes (<i>Matteo Lelli1, Alberto Grimaldi2, Riccardo Laneri1, Denis1, Vincent Setiawan2, Dinda Mutiara Savitri1</i>)	74 A Study on Soft Soil Stabilization by Mass Unconfined Compressive Strength Properties of Fill Clay Soil (<i>Arifin Beddu, Lovalemma Samang, Tri Harianto and Achmad Bekti Muhiddin</i>)	93 On the Weak Limestone Rock Slope Stability Analysis (<i>William George Louhenapessy</i>)
			18 A Multidisciplinary Ground Model Approach to Geotechnical and Geohazard Site Appraisal for Large Infrastructure Developments (<i>D. Rushon</i>)	37 Characterization of Leachate Distributions at Ngipik Municipal Solid Waste Disposal site in East Java - Indonesia (<i>Ria Asih Ariyani Soemitro, Dwa Desi Warmama and Nila Satira</i>)	56 Emergency Works and Landslide Remediation using Geosynthetic Reinforced Soil Structures – Recent Indonesian Case Studies (<i>Doys1, Matteo Lelli2, Dinda Mutiara Savitri3</i>)	75 Effect of Rapid Impact Compaction Energy on Rural Roads (<i>Vinh An Phung, Van Tuan Le and The Quynh Do</i>)	94 A New Breakthrough – Application of Control Modulus Column for Settlement and Stability Control under Soft Soil and High Embankment Load at Pemalang-Batang Toll Road (<i>Ryan Rahmat Setiaji1, Panji Utomo2, KM. Abuhararoh3</i>)
			19 Application of Distributed Fibre Optic Sensor (DFOS) in Bi-directional Static Pile Load Tests (<i>Lee Siow Cheng1, Tee Bun Pin1, Chong Mun Fai1, Hisham Mohamad2 and Ang Koh An3, Paulus P. Rahardjo4</i>)	38 Geotechnical Properties of Cement-Stabilized Mine Tailings from Brgy. Gango, Libona, Bukidnon, Philippines (<i>Eustine M. Opiso, Reinerio P. Supremo, Reynar T. Rejas and Jimina R. Peredes</i>)	57 Case Studies of a Partially Collapsed RS Wall at a Building Site (<i>Balakrishnan Ery Gaunder, Allan Chwee Yee Lun and Mohd Redwan Ahmad</i>)		95 Increasing geotechnical challenges in the design and construction planning of Third Phase Bangkok Underground (<i>N. Phienwej1, A. Asanprakit2, P. Kittiyodom2 and S. Timpong2</i> : School of Engineering and Technology, Asian Institution of Technology, Pathumthani, Thailand ; Geotechnical and Foundation Engineering Co. Ltd., Bangkok, Thailand)
	14:10 - 14:25	0:15	Discussion	Discussion	Discussion	Discussion	Discussion
Break	14:25 - 14:45	0:20	Coffee break - exhibition				MC

List Paper Parellel Session

List Paper Parellel Session		Class
1	Design and Construction of Foundation System for Malaysia First Drawbridge at Kuala Terengganu <i>(Shaw-Shong Liew, Kuan-Seng Koo and Fong-Wah Chee)</i>	A-1
2	Advancement of Bearing Capacity and Settlement Analyses of Piled-Raft Foundation <i>(Sugeng Krisnanto, Iwayan Sengara and Fithrie Nur Adelina)</i>	A-1
3	Effect of Intermediary Weak Layer on The Behaviour of Piled Raft <i>(Venkatraman Balakumar, Huang Min, Erwin Oh and Arumugam Balasubramaniam)</i>	A-1
4	Analysis of In Situ Laterally Loaded Tests on Caisson Foundations <i>(Jiunn-Shyang Chiou and Cheng-Chang Tsai)</i>	A-1
5	Study of Bored Pile Capacity in Klang Valley Residual Soil Based on Field- Performance Data <i>(Allan Chwee Yew Lun, Balakrishnan Ety Gaunder and Nazri Ali)</i>	A-1
6	Foundation Value Engineering & Underpinning Using Micropile for Building Upgrading Works <i>(Kai Ming Lee and Elly Norissya Mohd Said)</i>	A-1
7	Interpretation on Performance of Two Drilled Shafts Subjected to Tensile Loading Considering Concrete Cracking Effect <i>(San-Shyan Lin, Tai-Hong Chen and Chia-Hong Lai)</i>	A-1
8	Pile Settlement Uncertainty in Jakarta, Indonesia <i>(Bondan Satria and Widjojo Adi Prakoso)</i>	A-1
9	Re-Evaluation of Pile Capacity due to Shallow Gas – A Malaysia Case Study <i>(Christian Hariady Girsang, Noorizal Nasri Huang, M Syazwan Kamil Abdullah, M Razi Mansoor, Muhammad Joehan Rohani, Azam A Rahman and Wan M Marzuki Wan Ismail)</i>	Not Present
10	Application of Newly Developed Real- Time Website-base GIS Monitoring in Tunnelling <i>(Christian Luis, Johnny Huang and Bin-Chen Benson Hsiung)</i>	A-2
11	ERT-Based Leakage Tracing for Dam Safety and its Potential Sliding Surface <i>(Helsin Wang, Chih-Hsin Hu, Sheng-Hsiung Hsieh and Yao-Chu Tsai)</i>	A-2
12	Dynamic p-y Curves for a Single Pile by 1g Shaking Table Tests <i>(Sangseom Jeong)</i>	A-2
13	Design Method for Bottom Single Blade Steel Rotation Pile Foundation : Case study in Vietnam <i>(Duy Lam Dao and Thi Tuyet Trinh Nguyen)</i>	A-2
14	Active Shaking Tests of Pile Foundation Models in Dry Sand Ground <i>(Kohei Kenda, Anh Tuan Vu and Tatsunori Matsumoto)</i>	A-2
15	Estimating Pile Axial Bearing Capacity by c-phi' Derived from Pressuremeter Test <i>(Tjje Liong Gouw)</i>	A-2
16	Volume Measurement for Heavy Punding Induced Craters and Ground Heave <i>(Amalia Ula Hazhiyah, Hung-Jiun Liao and Chih-Jung Chien)</i>	A-2
17	Potentiality of Boehmeria Nivea as Alternative Material in the Production of Geotextile <i>(Oliver Celis, Catalino Mendoza, Ernesto Villarica, Ederick Songahid and Ann Krischel Hipolito)</i>	A-2
18	A Multidisciplinary Ground Model Approach to Geotechnical and Geohazard Site Appraisal for Large Infrastructure Developments <i>(D. Rushton)</i>	A-2
19	Prediction of the Geological Condition for Pipe jacking Base on the Data Collected in the Shafts <i>(Jian Shou Keh and Kan Tang Fu)</i>	E-2
20	A Case Study On Monitoring and Numerical Analysis of Groundwater Variation and Inclinator Displacement in Taiwan <i>(Ching-Jiang Jeng and Chia-Yu Yang)</i>	B-1
21	Numerical Simulations of an Excavation Case in Jakarta by Hypoplasticity Model for Clays <i>(Melisa Kosasi, Fuchen Teng and Benson Hsiung)</i>	B-1
22	3D Finite Element Analysis of Deep Excavation in Central Jakarta using Total and Effective Shear Strength Properties. <i>(Tatag Yufitra Rus, Bin-Chen Benson Hsiung and Kuo-Hsin Yang)</i>	B-1

23	Plane Strain Ratio and Waling Size Evaluation of Deep Excavation in Kuala Lumpur Using 3D Finite Element Analysis (<i>Jen Shen Ang, Bin Chen Hsiung and Ching Hung</i>)	B-1
24	Assessment of Mechanical Behavior of Granular Soils Adopting Various Plasticity Models (<i>Deepa Patil, Anitha Kumari S D and Nimmy Mariam Abraham</i>)	B-1
25	Remediation of Oil Tank Using PLAXIS 3D (<i>Anthony Gunawan</i>)	B-1
26	Dynamic Analysis of Underwater Tunnels (<i>Akhila Babu, Anitha S D and Nimmy Mariam Abraham</i>)	B-1
27	3D Finite-Element Analysis on Behaviours of Pile Group and Piled Raft Foundation Models Subjected to Cyclic Horizontal Loading (<i>Anh-Tuan Vu and Tatsunori Matsumoto</i>)	B-1
28	Finite Difference Analysis of Raft Foundations under Vertically Static Loads (<i>Der-Wen Chang and Hsin-Wei Lien</i>)	B-1
29	Determining Unsaturated Soil Properties Through Parameter Estimation (<i>Ibrahim Ibrahim, Didit Nur Arif and Nurly Gofar</i>)	B-2
30	Stochastic Estimation of Consolidation Settlement of The Upper Pleistocene Clay Layer in Osaka Bay Using a Particle Filter Method (<i>Shotaro Kubota1 and Kazuhiro Oda2</i>)	B-2
31	Volcanic Cohesive Soil Behavior under Static and Cyclic Loading (<i>Wa Ode Sumartini, Hemanta Hazarika, Takaji Kokusho and Shinichiro Ishibashi</i>)	B-2
32	Screw Driving Sounding Test for Soil Identification and Classification (<i>Aminaton Marto, Go Sakai, Naoaki Suemasa, Nor Zurairahetty Mohd Yunus, Siti Norafida Jusoh, Nadiah Jamaludin, Muhammad Mustakim Ponimin and Muhammad Fakrulnizam Mohd Tabir</i>)	B-2
33	Argillaceous Rock Properties Changes Due to the Weathering Process (<i>Idrus M. Alatas, Masyhur Irsyam, Ramli Nazir and Pintor T. Simatupang</i>)	B-2
34	Investigation of Aqueous Phase Liquids Migration in Double-Porosity Soil under Isothermal and Non-Isothermal Effect (<i>Loke Kok Foong, Prof. Ir. Dr. Ramli Nazir and Assistant Professor Dr. Hossein Moayed</i>)	B-2
35	Lessons Learned from Pressuremeter Tests on Stone Columns (<i>Richard Ong</i>).	B-2
36	Correlations Between Gradation, Physical and Mechanical Parameters for Material Embankments Reclamation (<i>Herman Wahyudi and Yudhi Lastiasih</i>)	B-2
37	Characterization of Leachate Distributions at Ngipik Municipal Solid Waste Disposal site in East Java - Indonesia (<i>Ria Asih Aryani Soemitro, Dwa Desa Warnana and Nila Sutra</i>)	B-2
38	Evaluation of Remedial Works for a Spillway on Landslide-dammed Lakes by an Earthquake, a Case Study in the Jiufengershan Landslide (<i>Ihui Chen, Sheichen Ho, Yushu Lin, Junyang Chen and Miaubin Su</i>)	C-1
39	A Comparison Between VS30 Based- and Natural Frequency Based-Site Amplification Factor for Three Different Types of Soil Classification (<i>Bonifacius Yogatama and Budiwan Adi Tirta</i>)	C-1
40	Maps of Corner Period (Tc) of Response Spectra In City of Jakarta (<i>Delfebriyadi Delfebriyadi</i>)	C-1
41	Analysis of Bedrock Synthetic Ground Motion on Bandung City using PSHA Method (<i>Arifan Jaya Syahbana, Anggun Mayang Sari and Eko Soebowo</i>)	C-1
42	Influence of Cyclic Behaviour of Vibratory Pile Driving And Surging on Pile Performance Observed in Model load Tests in Dry and Saturated Sand Grounds (<i>Shunsuke Moriyasu, Mako Aizawa, Tatsunori Matsumoto, Shun-Ichi Kobayashi and Shinya Shimono</i>)	C-1
43	Dynamic Compaction at New Yogyakarta International Airport for Liquefaction Mitigation (<i>Ryan Rahmat Setiaji, Abi Maulana Hakim, Febrini Hartianty Adinda and K.M. Abuhuroyroh</i>)	C-1
44	Field Identification of Active Fault Nearby the Footprint of the Dam (<i>Didiek Djarwadi, D.H. Natawidjaja and M.R. Daryono</i>)	C-1
45	Seismic Analysis of El-Agrem Concrete Face Rockfill Dam (<i>Merouane Abdellaoui and Belkacem Moussai</i>)	C-1

46	Effects of Vibrating Frequency of a Plate Compactor on Soil Density (<i>Yung- Show Fang</i>)	C-1
47	Using Time Domain Reflectometry for Monitoring Slope Movement in the Jiufenershan Landslide (<i>Sheichen Ho, Ihui Chen, Yushu Lin, Junyang Chen and Miaubin Su</i>)	C-2
48	Application of Data Mining Technique to Complement Photogrammetric Roughness Data (<i>Dong-Hyun Kim, Arumugam Balasubramaniam, Ivan Gratchev and Chul- Ho Lee</i>)	C-2
49	Case Studies of a Partially Collapsed RS Wall at a Building Site (<i>Balakrishnan Ety Gaunder, Allan Chwee Yew Lun and Mohd Redzuan Ahmad</i>)	C-2
50	Numerical Simulation of Some Debris Flow Events in Central Java for Predicting Run-out Distributions (<i>Imam Achmad Sadisun, Rendy Dwi Kartiko and Indra Andra Dinata</i>) 337-340	C-2
51	Channeled landslide Protection Using Flexible Barriers (<i>Thomas Hangartner, Prosida Rhapsody and Christophe Balg</i>)	C-2
52	Research on Failure of Aeolian Sand Roadbed Slope Through Laboratory Static Load Test (<i>Xiukun Dong and Liying Liu</i>)	C-2
53	Stability Analysis of an Overall Failure Excavation Case in Hang Zhou (<i>Tuan Nghia Do</i>)	C-2
54	Effect of the Initial Suction Boundary on the Slope Failure of Volcanic Residual Soil (<i>Agus Setyo Muntohar</i>)	C-2
55	Applying In Situ Debris-cement Mixtures to the Ground Improvement of Bank in Wild Creeks (<i>Junyang Chen, Ihui Chen, Yushu Lin, Sheichen Ho and Miaubin Su</i>)	D-1
56	Dynamic Compaction of Lateritic Fill for Property Development (<i>Richard Ong and Marini Mardi</i>)	D-1
57	Settlement Ratio Determination of Vacuum Preloading Soil Improvement Technique (Case Study at Palindra Toll Project Section 1) (<i>Herwan Dermawan, Masyhur Irsyam, Bigman M Hutapea, Endra Susila, Rizal Sutjipto and Ihsan Subandea</i>)	D-1
58	The Settlement Evaluation of Improved Soft Clay Using LECA Replacement Technique (<i>Azhani Zukri, Ramli Nazir and Ng Kok Shien</i>)	D-1
59	Performance of Helix Piled Raft in Tropical Fibrous Peat Soil under Traffic Loads (<i>Ardy Arsyad, Ahmad Bakri Muhiddin and Lawalenna Samang</i>) 378-381	D-1
60	Effect of Compaction on Liquefaction of River Sand and Sea Sand in Hai Phong City, Vietnam (<i>Chau Lan Nguyen, Quang Phuc Nguyen, Hai Ha Nguyen and Duc Manh Nguyen</i>)	D-1
61	Proposal of Permeability Evaluation Method of Suspension Grout (<i>Kentaro Uemura, Takamitsu Sasaki, Naoaki Suemasa, Kazuya Itoh, Koichi Nagao and Shunsuke Shimada</i>)	D-1
62	Compacted Polymer-Enhanced Bentonite-Sand Mixture – Behaviour and Potential Applications (<i>Agus Setianto Samingan and Yulian Firmana Arifin</i>)	D-1
63	Geosynthetic Reinforced Road Structure as Fast Rehabilitation for a Typhoon Disaster (<i>Hermina Ho, Jeff Yang and Henry Sie</i>)	D-1
64	The use of the Observational Method in the Deep Excavations for the Realization of a Residential Compound (<i>Marco Carassini, Filippo Bucci and Andrea Antiga</i>)	D-2
65	Reliability Assessment on Deep Braced Excavations Adjacent to High Slopes in Mountain Cities (<i>Runhong Zhang, Wengang Zhang, Zhongjie Hou and Wei Wang</i>)	D-2
66	Numerical Investigation of Wall Deflections Induced by Braced Excavations in Sands (<i>Hou Zhongjie, Zhang Wengang, Zhang Runhong and Wang Wei</i>)	D-2
67	Singapore Downtown Line 3 - Tunnelling Challenges in Soft Soil and Under Conserved Structures (<i>Michael McGowan, Sofren Leo Suhaendi and Gordon Lee</i>) .	D-2
68	Seasonal Variation of Water Content and Pore-water Pressure Distribution in Vegetated Soil Slope (<i>Nurly Gofar, Harianto Rahardjo and Alfredo Satyanaga</i>)	D-2

69	Strength Characteristics of Cement-treated Peat in Sumatera Island, Indonesia (<i>Hirochika Hayashi, Takahiro Yamanashi, Hijiri Hashimoto, Eddie Suraryo, Fahmi Aldiamar, Maulana Iqbal and Dea Pertiwi</i>)	D-2
70	Basement Excavation in Soft Marine Clay in Bukit Tinggi, Klang (<i>Sharmeelee S.</i>)	D-2
71	Effect of Rapid Impact Compaction Energy on Unconfined Compressive Strength Properties of Fill Clay Soil (<i>Arifin Beddu, Lawalenna Samang, Tri Harianto and Achmad Bakri Muhiddin</i>)	D-2
72	A Study on Soft Soil Stabilization by Mass Stabilization Methods for Construction of Dike and Rural Roads (<i>Vinh An Phung, Van Tuan Le and The Quynh Do</i>)	D-2
73	Study for Structural Performance of Steel Sheet Piles Used for Retaining Wall (<i>Eka Susanto, Matsui Nobuyuki and Otsushi Kazutaka</i>)	E-2
74	Protection of the Existing Railway Tunnels from an Adjacent Deep Excavation (<i>Jung-Feng Chang, I-Chou Hu, Chun-Seng Hsu and Huei-Ting Chang</i>) 462-466	E-2
75	Bored Pile Retaining Wall Solutions for Earthquake Slip 6 AT Ohau Point, Kaikoura, New Zealand (<i>Senthuran Arulanantham, Anthony Fairclough, Sam Glue and Jody Edwards</i>)	E-2
76	Effects of Cross Wall to the System Stiffness of Deep Excavations in Clay (<i>Zih-Yun Wang, Bin-Chen Benson Hsiung, Hsui-Sheng Hsieh and Louis Ge</i>)	E-2
77	Ground Surface Settlement Induced by Diaphragm and Buttress Walls Installation: Numerical Study (<i>Aswin Lim and Pio Go Hsieh</i>)	E-2
78	Evaluation of Surface Settlement and Lateral Displacement During Tunnel Construction Using 3D Numerical Modelling (<i>Fahmi Aldiamar, Desyanti Desyanti, Masyhur Irsyam, Bigman M. Hutapea, Endra Susila, Riska Muslimah and Weni Maulina</i>)	E-2
79	Aplikasi Metode Elemen Hingga dan Kriteria Runtuh Papaliangas Batuan Berkekar : Problem-Problem Analisa Terowongan, Kestabilan Lereng dan Wellbore Stability dalam Mekanika Batuan (<i>Wilham George Louhenapessy</i>)	E-1
80	The Application of Active Lime & Cement as Soil Stabilization Material (<i>Renggo Ginanjar, Wilham G. Louhenapessy, Asrul Ahdar</i>)	E-1
81	Perbandingan Analisa Perkuatan Lereng dengan Jangkar : Program dan Manual (<i>Wawan Kuswaya and Wilham G. Louhenapessy</i>)	E-1
82	On the Weak Limestone Rock Slope Stability Analysis (<i>Wilham George Louhenapessy</i>)	E-2
83	Slope Stability Analyses using Probabilistic Approach (A Case study in Grobogan, Central Java) (<i>Febryansyah Dwi Riyadinata, Yusep Muslih Purwana, Niken Silmi Surjandari and Noegroho Djarwanti</i>)	E-1
84	Perancangan Proteksi Galian Dalam Dengan <i>Soldier Pile</i> . Studi Kasus : <i>Underpass</i> Pada Pusat Perbelanjaan di Kawasan Jakarta Selatan (<i>Siska Rustiani and Ryan Alexander Lyman</i>)	E-1
85	Study of Slope Failure and Reinforcement Analysis to Restore and Increase the Slope Stability in Flores, East Nusa Tenggara Using Plaxis 2D and 3D (<i>Rendra Priatno1, Ali Iskandar2, and Jo Lian Huat3</i>)	E-1
86	Study on The Effects of Vibration due to Pile Driving by Empirical Formulas and Continuous Monitoring (<i>Stefanus Diaz Alvi1, Ricky Setiawan2, Andy Sugianto3, Paulus P. Rahardjo4</i>)	E-1
87	Pengaruh Tahanan Ujung Tiang dan Faktor Aman Terhadap Lendutan Pelat Terpaku Tiang Tunggal Pada Lempung Lunak (<i>P. Anas1, O. Ferly2, M. Roza3</i>)	E-1
88	Application of Distributed Fibre Optic Sensor (DFOS) in Bi-directional Static Pile Load Tests (<i>Lee Siew Cheng1, Tee Bun Pin1, Chong Mun Fai1, Hisham Mohamad2 and Ang Koh An3, Paulus P. Rahardjo4</i>)	A-2
89	Design of Simple Drapery Systems for Rock Cuts and Natural Slopes (<i>Matteo Lelli1, Alberto Grimod2, Riccardo Laneri1, Deny1, Vincent Setiawan2, Dinda Mutiara Savitri1</i>)	C-2
90	Emergency Works and Landslide Remediation using Geosynthetics Reinforced Soil Structures – Recent Indonesian Case Studies (<i>Deny1, Matteo Lelli2, Dinda Mutiara Savitri3</i>)	C-2
91	Geotechnical Properties of Cement-Stabilized Mine Tailings from Brgy. Gango, Libona, Bukidnon, Philippines (<i>Einstine M. Opiso, Reinerio P. Supremo, Reymar T. Rejas and Jemima R. Perodes</i>)	B-2

92	A New Breakthrough – Application of Control Modulus Column for Settlement and Stability Control under Soft Soil and High Embankment Load at Pemalang-Batang Toll Road (<i>Ryan Rahmat Setiaji</i> ¹ , <i>Panji Utomo</i> ² , <i>KM. Abuhurovroh</i> ³)	E-2
93	Estimasi Modulus Resilien dari uji CBR pada Tanah Lempung distabilisasi Abu Vulkanis dan Kapur (<i>Devi Oktaviana Latif</i> - <i>Dr.</i> , <i>ST.</i> , <i>M.Eng.</i> , <i>Ahmad Rifa'i</i> - <i>Dr.</i> , <i>Ir.</i> , <i>MT.</i> , <i>Latif Budi Suparma</i> – <i>Ir.</i> , <i>M.Sc.</i> , <i>Ph.D</i>)	E-1
94	Seasonal Variation of Water Content and Pore-water Pressure Distribution in Vegetated Soil Slope (<i>N. Gofar</i> ¹ , <i>H. Rahardjo</i> ¹ , <i>A. Satyanaga</i> ¹ - ¹ <i>School of Civil and Environmental Engineering, Nanyang Technological University, 50 Nanyang Avenue, Singapore. 639798</i>)	E-1
95	Efek EPS Geofom sebagai Material Pengisi terhadap Nilai CBR Laboratorium pada Tanah Kohesif Darah Bandung (<i>Lestari, A. S</i> ¹ and <i>Julian Clementio</i> ²⁻¹ <i>Dosen Universitas Katolik Parahyangan, Bandung, Indonesia,</i> ² <i>Mahasiswa Universitas Katolik Parahyangan, Bandung, Indonesia</i>)	E-1
96	Prediction of Excess Pore Pressure Due to Pile Driving Based on CPTu (<i>A. Arafianto</i> ¹ and <i>P.P. Rahardjo</i> ² , ¹ <i>Engineering Faculty, Universitas Katolik Parahyangan Bandung, Indonesia</i> ² <i>Engineering Faculty, Universitas Katolik Parahyangan, Bandung, Indonesia</i>).....	A-1
97	Increasing geotechnical challenges in the design and construction planning of Third Phase Bangkok Underground (<i>N. Phienwej</i> ¹ , <i>A. Asanprakit</i> ² , <i>P. Kittiyodom</i> ² and <i>S. Timpong</i> ² ¹ <i>School of Engineering and Technology, Asian Institution of Technology, Pathumthani, Thailand</i> ² <i>Geotechnical and Foundation Engineering Co. Ltd., Bangkok, Thailand</i>)	E-2