

# Pertemuan Ilmiah Tahunan (PIT) XXV Himpunan Ahli Teknik Tanah Indonesia Silver Anniversary 9 – 10 November 2021 | Zoom Webinar

*Jadwal Acara dan Daftar Pemakalah*



SIMSG ISSMGE



**PIT XXV HATTI 2021**  
**HIMPUNAN AHLI TEKNIK TANAH INDONESIA (HATTI)**

Day 1: Tuesday, 9 November 2021

Session	Time	Duration, h:m	Topic / Speaker	MC / Moderator
Registration	07:00 - 08:00	01:00	Registration & Tayangan Iklan	Secretariat
Welcoming Remarks	08:00 - 08:05	00:05	Chairman of Committee - PIT XXIV	Dr. Aksan Kawanda
Welcoming Remarks and HATTI's report	08:05 - 08:20	00:15	HATTI President: Prof. Widjojo Adhi Prakoso	Prof. Widjojo Adi Prakoso
Welcoming Remarks	08:20 - 08:30	00:10	Chairman of Indonesian Academy of Science: Prof. Dr. Satryo S. Brodjonegoro	
PIT XXV Opening	08:30 - 08:55	00:25	Opening dan Special Keynote - Kementerian PUPR	
<b>Welcoming Remarks and Keynote Session 1</b>	08:55 - 9:35	0:40	<b>Keynote Speaker 1: "Seismic Interaction Adjacent Tall Buildings with Underground Structures" - Youssef M. A. Hashash-Illinois University</b>	Prof. Widjojo Adi Prakoso
	09:35 - 10:15	0:40	<b>Keynote Speaker 2 : "Promoting Widespread Application of Seismic Ground Motion for Evaluation and Retrofit of Existing Buildings in Indonesia" Prof. Masyhur Irsyam, ITB</b>	
	10:15 - 10:55	0:40	<b>Keynote Speaker 3: "Analysis of void redistribution and delayed flow failure associated with liquefaction during earthquakes" Prof. Susumu Iai, FLIP consortium</b>	
	10:55 - 11:15	0:20	<b>Discussion</b>	
<b>Iklan</b>	11:15 - 11:20	0:05	<b>Iklan</b>	
<b>Technical Session</b>	11:20 - 11:40	0:20	<b>Technical session 01 PT. Promisco Sinergi Indonesia</b>	MC
	11:40 - 12:00	0:20	<b>Technical session 02 PT. Geotekindo</b>	
<b>Iklan + ISOMA</b>	12:00 - 13:05	1:05	<b>Iklan+ISOMA</b>	
<b>Keynote Speech Session 2</b>	13:05 - 13:45	0:40	<b>Keynote Speaker 4 : "Geotechnical Aspects on Tunnel Engineering Construction of Jakarta-Bandung High-Speed-Rail" Prof. I Wayan Sengara, ITB</b>	Prof. Agus Setyo Muntohar
	13:45 - 14:25	0:40	<b>Keynote Speaker 5 : "Trenchless Technology for Urban Development" -Keh-Jian Shou (ISSMGE Asia-VP) National Chung-Hsing University</b>	
	14:25 - 15:05	0:40	<b>Keynote Speaker 6: "Biopolymer-based Soil Treatment (BPST) – A Bio-Geotechnical Implementation for Sustainable Development" - Prof. Ilhan Chang-Ajou University</b>	
	15:05 - 15:20	0:15	<b>Discussion</b>	
<b>Iklan</b>	15:20 - 15:25	0:05	<b>Iklan</b>	
<b>Special Lecture</b>	15:25 - 16:05	0:40	<b>Special lecture hukum: "Resolution of Construction Legal Matters Due to Covid-19 Pandemic" Martin Patrick Nagel</b>	Ir. Pintor T. Simatupang, Dr-Eng
<b>Technical Session</b>	16:05 - 16:25	0:20	<b>Technical Session 03: "Innovative horizontal drain method, HORI-DRAIN®, for reducing construction cost and time in soft soil improvement works using PVD" PT Daehan</b>	MC
	16:25 - 16:45	0:20	<b>Technical Session 04 PT Artha Geo Integritas</b>	MC
	16:45 - 17:05	0:20	<b>Technical Session 05 Utama Karya Infrastruktur</b>	MC
<b>Closing 1st day</b>	17:05 - 17:10	0:05	<b>Closing 1st day</b>	Dr. Idrus M. Alatas

**PIT XXV HATTI 2021**  
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 Day 2: Wednesday, 10 November 2021

Session	Time	Duration, h:m	Speaker	MC / Mod.	Speaker	MC / Mod.	Speaker	MC / Mod.	Speaker	MC / Mod.	Speaker	MC / Mod.	Speaker	MC / Mod.
Re-registration	#### - 08:00	01:00	Secretariat											
Session 1	08:00 - 09:40	01:40	Paper 01	Kelas A-1, Komda Sumatera Utara - Ir. Simon Dertha, MT	Paper 15	Kelas B-1, Komda Jawa Timur - Prof Indarto / Dr. Farid Maaruf	Paper 29	Kelas C-1, Komda Maluku - Dr. Suyuti	Paper 43	Kelas D-1, Komda Kalimantan Selatan - Dr Yusti Yudiawati	Paper 56	Kelas E-1, Komda Yogyakarta - Ir. Agus Darmawan Adi. MSc. Ph.D	Paper 69	Kelas F-1, Aswin Lim, Ph.D
			Paper 02		Paper 16		Paper 30		Paper 44		Paper 57		Paper 70	
			Paper 03		Paper 17		Paper 31		Paper 45		Paper 58		Paper 71	
			Paper 04		Paper 18		Paper 32		Paper 46		Paper 59		Paper 72	
			Paper 05		Paper 19		Paper 33		Paper 47		Paper 60		Paper 73	
			Paper 06		Paper 20		Paper 34		Paper 48		Paper 61		Paper 74	
			Paper 07		Paper 21		Paper 35		Paper 49		Paper 62		Paper 75	
Discussion	09:40 - 09:55	00:15	Discussion		Discussion		Discussion		Discussion		Discussion			
Iklan	09:55 - 10:00	0:05	Iklan											
Session 2	10:00 - 11:40	01:40	Paper 08	Kelas A-2, Komda Bali - Prof. Wayan Redana	Paper 22	Kelas B-2, Komda Sumatera Barat, Ir. Hendri Warman MT	Paper 36	Kelas C-2, Komda Kalimantan Barat Dr. Eka Priadi	Paper 50	Kelas D-2, Komda Aceh - Prof Munirwansyah	Paper 63	Kelas E-2, Komda Riau Dr. Harnaedi	Paper 77	Kelas F-2, Anthony Gunawan, Ph.D
			Paper 09		Paper 23		Paper 37		Paper 51		Paper 64		Paper 78	
			Paper 10		Paper 24		Paper 38		Paper 52		Paper 65		Paper 79	
			Paper 11		Paper 25		Paper 39		Paper 53		Paper 66		Paper 80	
			Paper 12		Paper 26		Paper 40		Paper 54		Paper 67		Paper 81	
			Paper 13		Paper 27		Paper 41		Paper 55		Paper 68		Paper 82	
			Paper 14		Paper 28		Paper 42						Paper 83	
Discussion	11:40 - 11:55	00:15	Discussion		Discussion		Discussion		Discussion		Discussion			
Iklan	11:55 - 12:00	0:05	Iklan											
Technical Session	12:00 - 12:20	0:20	Technical Session 06 PT. Nittoc Construction Indonesia										MC	
Keynote Speech Session 3	12:20 - 13:00	0:40	Keynote Speaker 7: "Exploring "Data" in Data-centric Geotechnics", Prof. Kok-Kwang Phoon - SUTD										Prof. Widjojo Adi Prakoso	
	13:00 - 13:10	0:10	Discussion											
Technical Session	13:10 - 13:30	0:20	Technical Session 07 PT. Geoforce Indonesia										MC	
Keynote Speech Session 4	13:30 - 14:10	0:40	Keynote Speaker 8: "Disain Tidak Umum Dinding Penahan Tanah", Prof. Abdul Hakam - Andalas University										Dr. Didiek Djarwadi	
	14:10 - 14:50	0:40	Keynote Speaker 9: "Recent Development on The Tailings Dam Design in Seismic Active Regions", Hendra Jitno PhD, CPEng, FIEAust - Rio Tinto Copper, Australia											
	14:50 - 15:10	0:20	Discussion											
Technical Session	15:10 - 15:30	0:20	Technical Session 08 PT. BAUER Pratama Indonesia										MC	
	15:30 - 15:50	0:20	Technical Session 09 PT. Keller - Franki Indonesia										MC	
Iklan	15:50 - 15:55	0:05	Iklan											
Q&A Geotechnical Problems	15:55 - 16:45	0:50	HATTI Sharing & Discussion										Ir. Bigman M. Hutapea, Ph.D	
Doorprize and Closing	16:45 - 16:50	0:05	Ir. Pintor T. Simatupang, Dr-Eng										Sugino	

**PIT XXV HATTI 2021**  
**HIMPUNAN AHLI TEKNIK TANAH INDONESIA (HATTI)**  
 PARALLEL SESSION & PAPER LIST

**Kelas A-1: Soft Soil & Soil Improvement**

Time	Authors	Title	Kelas	Paper No.
<b>08.00 - 09.55</b>	Ahmad	Perilaku Heaving pada Embankment Jalan yang Diperkuat dengan Tiang Hibrid-PVD	A-1	Paper 01
	Zaky Prawira	Comparison between Analytical Method and Finite Element Method (FEM) with three-dimensional (3D) for Road Embankment on Soft Soils Supported by Vibro Stone Columns	A-1	Paper 02
	Eyrton Crismartua Silaban	Performance Review of Axial Bearing Capacity for Cement-Fly Ash-Gravel (CFG) Piles from Static Loading Test Results	A-1	Paper 03
	Utama Nusanegara	Numerical Modeling of Soil Improvement Using Vacuum Preloading Method with Finite Element Program	A-1	Paper 04
	H. Rokhman	The Influence of Rapid Impact Compaction Energy to The Soil Density of Embankment Material	A-1	Paper 05
	Juni Gultom	Konstruksi Jalan Terapung di atas Tanah Lunak	A-1	Paper 06
	Yustian Heri Suprpto	Visual Observation Against Reaction Cumulation Using Ureolytic Bacteria Oceanobacillus Isolate P3BG41 and Isolate P3BG43	A-1	Paper 07

**Kelas A-2: Soft Soil & Soil Improvement**

Time	Authors	Title	Kelas	Paper No.
<b>10.00 - 11.55</b>	Eyrton Crismartua Silaban	Performance and Back Analysis of Soil Improvement with Vertical Drains with Vacuums Preloading in Bandung Basin Area with Finite Element Analysis	A-2	Paper 08
	Martin Wijaya, Ahmad Kemal Arsyad	Determination of Downhole Dynamic Compaction Parameters Based on Finite Element Analysis	A-2	Paper 09
	Yogina Lestari Ayu Situmorang	Analisis Alternatif Metode Perbaikan Tanah Lunak Pada Pembangunan Tailing Dam	A-2	Paper 10
	Indriani Lewinsky	Perbaikan Tanah Lunak dengan Metode Preloading Menggunakan Prefabricated Vertical Drain (PVD) pada Pembangunan Jalan Tol Padang - Lubunk Alung - Sicincin	A-2	Paper 11
	Dyah Pratiwi Kusumastuti	Penurunan Tanah Dasar Akibat Beban Timbunan dengan Penerapan Prefabricated Vertical Drain	A-2	Paper 12
	Liliwanti	Settlement Analysis on Soft Soils due to Box Traffic and Embankment Construction on Toll Road	A-2	Paper 13
	Roberto Renaldi Yona	Vacuum Preloading: Consolidation Degree Determination using Analytical Solution and Graphical Method	A-2	Paper 14

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**Kelas B-1: Deep excavation, Basement, and Tunnel Engineering**

Time	Authors	Title	Kelas	Paper No.
<b>08.00 - 09.55</b>	Nurly, Alfrendo Satyanaga Mochammad Aswanto	Sustainable Retaining Structure Incorporating Recycled Concrete Aggregate Desain Konstruksi Dinding Penahan Tanah Pasangan Batu-Kali dengan Metode Memotong Kaki-lereng	<b>B-1</b>	Paper 15
	Danang Setiya Raharja	Studi Parameterik Analisa Terowongan pada Lapisan Clayshale dalam Short Term dan Long Term dengan Bantuan Program Finite Element	<b>B-1</b>	Paper 16
	Justin Limoris Christopher Gilbert	Flotation Check in Basement Structure based on JSCE, Eurocode, and LTA Glass Fiber Reinforced Polymer as Temporary Replacement for D-Wall Steel Reinforcement	<b>B-1</b>	Paper 17 Paper 18
	Jefry Rory Paath Mutadi	Dewatering on Tunnel Excavation Work near Vulnerable Historical Building Dinding dan Tiang untuk menahan pipa hidrokarbon di tanah lunak di daerah lereng	<b>B-1</b>	Paper 19 Paper 20
			<b>B-1</b>	Paper 21

**Kelas B-2: Foundation Engineering and Its Problem**

Time	Authors	Title	Kelas	Paper No.
<b>10.00 - 11.55</b>	Stefanus Diaz Alv	Efisiensi Negative Skin Friction pada Kelompok Tiang Tahanan Ujung dengan Pemodelan menggunakan 3D Finite Element Method	<b>B-2</b>	Paper 22
	James Jatmiko Oetomo	Prediction of Prestressed Concrete (PC) spun pile lateral capacity using supervised learning based on logistic regression	<b>B-2</b>	Paper 23
	David Wibisono Setiabudi	Analisis Tekanan Air Pori Ekses Akibat Pemancangan Dengan Metode Numerik Untuk Prediksi Soil Setup Pada Tanah Lempung	<b>B-2</b>	Paper 24
	Indah Sri Wahyuningtyas Kirana Rongsadi	Study on Soil Spring Parameter for Rectangular Underground Structures Displacement Ratio untuk Mengestimasi Pergerakan Tanah akibat Pekerjaan Pemancangan — Studi Kasus di Bekasi dan Jakarta Utara	<b>B-2</b>	Paper 25 Paper 26
	Munirwansyah, Reza P. Munirwan, Fauzan Mufid	Dynamic Bearing Capacity Exclusivity of Driven Pile with the Danish, Navy- McKay and Eytelwein Empirical Formulas by Using the Final Set Value	<b>B-2</b>	Paper 27
	Sajiharjo Marto Suro	Influence of Pile Spacing to Immediate Settlement of Short Piled Raft Foundation System on Peat Soil under Static Load	<b>B-2</b>	Paper 28

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**Kelas C-1: Geotechnical Engineering for Dams & Earthquake Engineering**

Time	Authors	Title	Kelas	Paper No.
<b>08.00 - 09.55</b>	Albert Johan	Kajian Penentuan Parameter Reologi Material Pasir Kelanauan pada Kondisi Terlikuifaksi dengan CPTu	C-1	Paper 29
	Zufrimar	Liquefaction Potential In Padang City Using Empirical Method	C-1	Paper 30
	Faizal Amru	Analisis Stabilitas Lereng Bendungan Bund Wall pada Tambang Batubara Terbuka	C-1	Paper 31
	Bayu Wintoro	Studi Perbandingan Hasil Perambatan Percepatan Gempa Terhadap Hasil Penyusunan Modified Motion Permukaan Tanah di Kota Bandung Berdasarkan Standar Nasional Indonesia (SNI) 1726 Tahun 2012 dan 2019	C-1	Paper 32
	Daru Jaka Sasangka	Evaluasi Stabilitas Sandaran Bendungan Bener Berdasarkan Korelasi Geomekanik Bawah Permukaan	C-1	Paper 33
	Det Komerdevi	Proposed Ground Motion Selection and Modification for Jakarta Site based on SNI 1726-2019 and ASCE 7-16	C-1	Paper 34
	Nick Alexander	State-of-Practice of Ground Motion Selection and Modification for Evaluation and Design of Buildings in Indonesia	C-1	Paper 35

**Kelas C-2: Slope Stability & Natural Hazard**

Time	Authors	Title	Kelas	Paper No.
<b>10.00 - 11.55</b>	Rivai Sargawi, David Saputra	Flexible rockfall barriers: proposed design method and Indonesian case study	C-2	Paper 36
	Irvan Rahmawan	Analisis Karakteristik Longsoran Baji dan Sistem Peringatan Dini pada Tambang Terbuka Ditinjau dari Pemantauan Radar	C-2	Paper 37
	Arif Yunando Soen	Comparison of Material Point Method and Finite Element Method for Post-Failure Large Deformation Geotechnical Analysis	C-2	Paper 38
	Nuzulridha Rizki Ramadhani	Stability Design of Coal Mine Dumping Based on Analysis of Limit Equilibrium Method and Finite Element Method	C-2	Paper 39
	Fathiyah Hakim Sagitaningrum	Analysis of Interface Slope Stability Using Thin Soil Materials in Finite Element Software	C-2	Paper 40
	Musta'in Arif	Perencanaan Perbaikan Kelongsoran Lereng pada TPA Melonguane, Kabupaten Kepulauan Talaud	C-2	Paper 41
	Stephanus Alexander	Efek Cracks Lereng Tanah Terhadap Design Bore Pile Beton untuk Penanggulangan Gejala Longsor pada Fasilitas Dermaga Penyeberangan Sei. Kapitan Tebing Sungai Kumai, Kabupaten Kotawaringin Barat	C-2	Paper 42

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**Kelas D-1: Soil Mechanics & Behaviour**

Time	Authors	Title	Kelas	Paper No.
<b>08.00 - 09.55</b>	Ignatius Tommy Pratama	Linear Shrinkage and its Correlation to the Shrinkage Limit and Index Properties of Ten Bandung Fine-Grained Soil Samples	D-1	Paper 43
	Fadlli Ash Shidiqqy	Korelasi Indeks Kompresi Tanah Lempung Indonesia	D-1	Paper 44
	Budijanto Widjaja	Effect of Variation in Concentration of Dispersing Agent Solution on Atterberg Limits and Soil Gradation	D-1	Paper 45
	Noor Endah	Effectiveness of Using Cellulolytic and Lignocellulolytic Bacteria In Decomposing Fibers of Fibrous Peat	D-1	Paper 46
	Hanif Audina Rahmawati	Shear Strength Ratio of Marine Siltation	D-1	Paper 47
	Idrus M Alatas	Kuat Geser Interface Progressive Antara Weathered dan Fresh Clay Shale	D-1	Paper 48
Munira Sungkar	The Effect of Diatomaceous Earth Addition to CBR Values of Glee Geunteng Soil Aceh Besar	D-1	Paper 49	

**Kelas D-2: Soft Soil & Soil Improvement**

Time	Authors	Title	Kelas	Paper No.
<b>10.00 - 11.55</b>	Nina Yuliana	Consolidation Parameters of Marine Siltation	D-2	Paper 50
	Tita Kartika Dewi	Karakteristik Pemadatan pada Tanah Berbutir Halus dari Beberapa Lokasi di Indonesia yang Dikontrol oleh Derajat Saturasi dan Indeks Plastisitas	D-2	Paper 51
	Komang Arya Utama	Compressive Strength Characteristics of Trass stabilized Dredged Soil	D-2	Paper 52
	Reza Rahman Syafei	Studi Pengaruh Pencampuran Senyawa Synthetic Polyacrylamide (PAM) pada Tanah Kohesif	D-2	Paper 53
	Diah Affandi	Pemetaan Karakteristik Tanah Ekspansif pada Ruas Jalan Provinsi di P. Jawa	D-2	Paper 54
	Mila Kusuma Wardani	The performance of limestone to reduce the plasticity index and increase the shear strength parameter for expansive soil	D-2	Paper 55

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**Kelas E-1: Geotechnical Instrumentation, Laboratory, and In-Situ Testing**

Time	Authors	Title	Kelas	Paper No.
<b>08.00 - 09.55</b>	Sigit Prasetyo	Large Penetration Test (LPT) in Gravelly Soils	E-1	Paper 56
	Agus Setianto Samingan	Good Practice of Instrumentation and Monitoring of Deep Excavations	E-1	Paper 57
	Dr. Ir. Pribadi Agung Wahyudi	Daya Dukung Lahan Sebagai Faktor Utama Daya Dukung Lingkungan Hidup Dalam Tata Ruang Wilayah (Kajian Di Semarang)	E-1	Paper 58
	Prayoga Jeremia Pangaribuan, Martin Wijaya	Determining Yield Stress Ratio and Constrained Modulus of Volcanic Soil in Kediri by Using SPT	E-1	Paper 59
	Josua Adrianov	Evaluasi Penurunan Akhir Akibat Jeda Penimbunan Dengan Pendekatan Analisis Balik Data Settlement Plate	E-1	Paper 60
	Aflizal Arafianto Eddy Triyanto Sudjatmiko	CPT-SPT Correlation of Volcanic Soils in Kediri, East Java SPT and CPT Correlation of Expansive Clay Soil in Indonesia	E-1 E-1	Paper 61 Paper 62

**Kelas E-2: Various Topics in Geotechnical Engineering**

Time	Authors	Title	Kelas	Paper No.
<b>10.00 - 11.55</b>	Syahirman Suriadi	Analysis The Structure Size of The Duck Foot System Foundation (DFSF) for Building on Soft Soils	E-2	Paper 63
	Ferawati Hariyanto	Three-Dimensional Effects of Deep Excavation in Soft Soils	E-2	Paper 64
	Dedi Apriadi	Seismic Finite Element Response of Soil-Pile Kinematic Interaction Behavior on Interface of Soft and Medium Clay Soil	E-2	Paper 65
	Yudhistira Rian Nugraha	Aplikasi dan Kinerja KGM Dibawah Bangunan Tinggi Dengan Sistem Combined Raft Footing	E-2	Paper 66
	Hari Nugraha Nurjaman	Perencanaan dan Pelaksanaan Konstruksi Geoteknik di Mandalika International Street Circuit Lombok	E-2	Paper 67
Pintor Tua Simatupang	Shear Strength and Durability Behaviors of Compacted MIXing Weathered Clay Shale with Portland Cement	E-2	Paper 68	



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**Kelas F-1: Various Topics in Geotechnical Engineering**

Time	Authors	Title	Kelas	Paper No.
<b>08.00 - 09.55</b>	M Tobiby Pratama Pohan	Analysis of The Foundation Bearing Capacity for Bridge Construction in The Mantuil Region, Muara Harus District, Tabalong Regency, South Kalimantan Province	F-1-AMM	Paper 69
	Mochammad Rahadian Yunush	Pengaruh Getaran Akibat Proses Pemancangan pada Tanah Terhadap Bangunan Sekitar	F-1-AMM	Paper 70
	Farhan Azfiansyah Yazid	Perancangan Secant Pile dengan Perkuatan Ground Anchor	F-1-AMM	Paper 71
	Alvin Tjahjadi	Embankment Dam Design and Parametric Study Based on Static and Dynamic Analysis using Operating Basis and Maximum Design Earthquake	F-1-AMM	Paper 72
	Charles Maxwelliem	Laboratory Study of Compressibility Characteristics of Compacted Volcanic Soils (AMM)	F-1-AMM	Paper 73
	Angela Dewi Maharani Susiyanti	Studi Numerik Distribusi Beban dan Penurunan pada Fondasi Tiang-Rakit (Studi Kasus: Proyek Pembangunan Apartemen di Fatmawati, Jakarta Selatan)	F-1-AMM	Paper 74
	M. Hajjrol Dava	Kajian Geologi dan Geoteknik untuk Perencanaan Lokasi Pembangunan Jalan Menggunakan Analisis Spasial dan Permodelan Kestabilan Lereng (Studi Kasus: Jalan Penggaron-Mluweh, Kab. Semarang, Jawa Tengah)	F-1-AMM	Paper 75
Kyrie Eleisia	Studi Parametrik Kondisi Batas Melalui Simulasi Numerik Uji Pembebanan Tiang Tunggal	F-1-AMM	Paper 76	

**Kelas F-2: Various Topics in Geotechnical Engineering**

Time	Authors	Title	Kelas	Paper No.
<b>10.00 - 11.55</b>	Rangga Wishnu Wardhana	Analisis Efektivitas Penggunaan Geotekstil Untuk Perkerasan Lentur Jalan pada Tanah Lempung Lunak	F-2-AMM	Paper 77
	Mardianti Alvionita	Upaya Stabilisasi Tanah Berpotensi Likuifaksi Menggunakan Stone Column	F-2-AMM	Paper 78
	Richo Brian	Shear Strength Characteristics of Volcanic Soils Mixed with Cement (AMM)	F-2-AMM	Paper 79
	Alvin Tjahjadi	Penggunaan Fondasi Raft Pile pada Tanah Berpasir Padat untuk Bangunan 20 Lantai	F-2-AMM	Paper 80
	Salma Aulia Andari	Korelasi Hasil Uji Lapangan dengan Parameter Kuat Geser Undrained pada Tanah Lunak Kendal	F-2-AMM	Paper 81
	Alfaris Baqir Arrazzaq	The Use of Loba Jack Bean as A Bio-Catalyst in Enzyme-Mediated Calcite Precipitation for Soil Improvement Technique	F-2-AMM	Paper 82
Kenny Erick	Analisis Ledakan pada Struktur Basement dengan Dinding Diafragma	F-2-AMM	Paper 83	

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