

GENERAL PROGRAM SCHEDULE

DAY 1: WEDNESDAY, 21 SEPTEMBER 2022

TIME (WIB)	PROGRAM	
08:00 – 09:00	Registration & Morning Coffee	
09:00 – 10:00	Welcoming Remarks <i>Head of Geological Engineering Department, Faculty of Engineering UGM</i> Dr. Eng. Ir. Agung Setianto, S.T., M.Si., IPM.	
	Opening Speech <i>Dean of Faculty of Engineering UGM</i> Prof. Ir. Selo, S.T., M.T., M.Sc, Ph.D., IPU.	
TECHNICAL SESSION		
	Room 1	Room 2
10:00 – 12:00	TS-1: Hydrogeology, Environmental Geology and Engineering Geology Paper ID: 8, 23, 25, 31, 33, 34, 45, 46	TS-2: Georesources and Geotechnical Engineering Paper ID: 5, 7, 35, 36, 41, 48, 1, 44
12:00 – 13:30	Break	
13:30 – 14:30	Keynote Speech 1 Prof. Juliana Sutanto, Ph.D <i>Management School, University of Lancaster, UK</i> “Community Resilience Management System”	
14:30 – 15:00	Break	
TECHNICAL SESSION		
	Room 1	Room 2
15:00 – 16:00	TS-3: Geothermal, Petroleum and Coal Geology and Technology (I) Paper ID: 4, 20, 26, 54	TS-4: Mineralogy, Petrology and Economic Mineral Resources (I) Paper ID: 10, 22, 32, 52

Remarks:

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(GMT+7)

GENERAL PROGRAM SCHEDULE

DAY 2: THURSDAY, 22 SEPTEMBER 2022

TIME (WIB)	PROGRAM	
08:00 – 09:00	Registration & Morning Coffee	
	TECHNICAL SESSION	
	Room 1	Room 2
09:00 – 10:30	TS-5: Georesources and Geohazard Management Paper ID: 2, 9, 19, 37, 28, 14	TS-6: Geophysics, Computation in Geological Engineering and Geoheritage Paper ID: 6, 30, 47, 12, 40
10:30 – 12:00	Special Lecture Prof. Dr. Ir. Subagyo Pramumijoyo, DEA, IPU. <i>Department of Geological Engineering, Universitas Gadjah Mada, Indonesia</i> “Geologi Gempa Bumi Indonesia”	
12:00 – 13:30	Break	
13:30 – 14:30	Keynote Speech 2 Dr. Ernst Niederleithinger <i>Bundesanstalt für Materialforschung und -prüfung (BAM), Germany</i> “3G-Geophysical Methods Delivering Input to Geostatistical Methods for Geotechnical Site Characterization”	
14:30 – 15:30	Keynote Speech 3 Prof. Dr. Andreas Busch <i>The Lyell Centre, Heriot-Watt University, Edinburgh, UK</i> “The Use of the Geological Subsurface for Carbon and Energy Storage: Perspectives, Challenges and Outlook”	
15:30 – 16:00	Afternoon Coffee	

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GENERAL PROGRAM SCHEDULE

DAY 3: FRIDAY, 23 SEPTEMBER 2022

TIME (WIB)	PROGRAM	
08:00 – 09:00	Registration & Morning Coffee	
	TECHNICAL SESSION	
	Room 1	Room 2
09:00 – 11:30	TS-7: Geothermal, Petroleum and Coal Geology and Technology (II) Paper ID: 3, 16, 21, 27, 29, 53	TS-8: Mineralogy, Petrology and Economic Mineral Resources (II) Paper ID: 13, 15, 11, 38, 39, 49, 51, 50
11:30 – 13:30	Break	
13:30 – 14:30	Keynote Speech 4 Ir. Pri Utami, M.Sc., Ph.D, IPM. <i>Department of Geological Engineering, Universitas Gadjah Mada, Indonesia</i> “Cultural Approach in The Conservation of Geothermal Environment: an Example from Dieng Plateau”	
14:30 – 15:00	Break	
15:00 – 16:00	ICGoES Closing ceremony Geoweeek 2022 Awarding ceremony	

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TECHNICAL SESSION SCHEDULE

Technical Session Day 1, Wednesday, 21 September 2022, 10:00 – 12:00 WIB

TS-1 : Hydrogeology, Environmental Geology and Engineering Geology (ROOM 1)		
Chair/Moderator : Dr.rer.nat. Ir. Doni Prakasa Eka Putra, S.T., M.T., IPM.		
Time (WIB)	ID	Title
10:00 – 10:15	8	Groundwater Well Rehabilitation Using Hydropuls Method: A Case Study in Wonosobo Groundwater Well <i>S. Aryawicaksona, A. S. Muhammad</i>
10:15 – 10:30	23	Hydrogeological Assessment of Groundwater Potential and Quality in Jabung Village and Its Surroundings, Jabung Sub-District, Malang Regency <i>Faridha Aprilia, Wiyono, Didik Yudianto, Falza Nurrahman</i>
10:30 – 10:45	25	Groundwater Balance Estimation And Quality For Irrigation in The Food Estate Area, Central Sumba Regency, East Nusa Tenggara, Indonesia <i>D A Dayani, W Wilopo, I Azwartika</i>
10:45 – 11:00	31	Groundwater-River Interaction Along Paneki River, Central Sulawesi, Indonesia <i>A A Pratama, H Hendrayana, F Pawenrusi</i>
11:00 – 11:15	33	Identification of Shallow Groundwater Facies and Flow Patterns in Batang Regency, Central Java, Indonesia <i>Arifin Rizky Brillyanto, Muhammad Rifky Wibisana, Theo Rifaldi Siregar, Wahyu Wilopo</i>
11:15 – 11:30	34	Nitrate Spatial Distribution and Origin in Shallow Groundwater: A Case Study of Batang Regency, Central Java, Indonesia <i>Muhammad Rifky Wibisana, Arifin Rizky Brillyanto, Theo Rifaldi Siregar, Wahyu Wilopo</i>
11:30 – 11:45	45	Preliminary Conceptual Model of Hydrogeological System in Pekalongan City, West Java, Indonesia <i>M. F. Hasani, H. Hendrayana, A. Taufiq</i>
11:45 – 12:00	46	Preliminary Conceptual Model of Hydrogeological System in The Pandanduri Dam and its Surrounding Area on the Lombok Island <i>D Mararis, H Hendrayana, P A Pranantya</i>

TS-2 : Georesources and Geotechnical Engineering (ROOM 2)		
Chair/Moderator : Ir. Gayatri Indah Marliyani, S.T., M.Sc., Ph.D.		
Time (WIB)	ID	Title
10:00 – 10:15	5	Structure Analysis Gunung Benau Karst Area by Using mSTA and FFD, North Kalimantan, Indonesia <i>Heriyanto, E Haryono, Mahajana, P G Sabrain, H Magdalena, M D Balfas, Y Hidayatullah, M F Habibah</i>
10:15 – 10:30	7	Betung Field Development Based On Petrophysical Integration Analysis and Radius Drainase <i>Aisyah Irmaya, Basuki Rahmad, Deddy Kristanto, Aris Buntoro</i>
10:30 – 10:45	35	Discontinuity Measurement for Slope Failure Analysis with Strucutre from Moton Method Using Drone on A Slope in Hargowilis, Kokap District, Kulon Progo Regency, D.I. Yogyakarta Province

		<i>Pieter Chandra Alfadec Waruwu, Agung Setianto, I Gde Budi Budi Indrawan</i>
10:45 – 11:00	36	Liquefaction Potential Analysis Based on CPT and SPT Data at 57 Promenade Apartment Construction Project, Tanah Abang, Central Jakarta <i>Richo Fahreza Cannigia, Urwatul Wusqa, Rezky Aditiyo</i>
11:00 – 11:15	41	Correlation between Schmidt Hammer Rebound Test and Uniaxial Compressive Strength of Breccia in Kebobutak Formation at Bener Diversion Tunnel, Purworejo, Central Java, Indonesia <i>E R Triristanto, H Setiawan, S Husein</i>
11:15 – 11:30	48	Seroja Tropical Cyclone Destruction Case Study : Permanent Slope Protection Evaluation at Downstream of Rotiklot Dam Nomenclature Building, East Nusa Tenggara, Indonesia <i>MSH Danuartha, T T Putranto</i>
11:30 – 11:45	1	Rock Mass Characterization and Slope Stability Analysis Inlet Portal of Jragung Dam Diversion Tunnel, Indonesia <i>A. Anggoro Bagyo Mulyo, B. I Gde Budi Indrawan, C. Ferian Anggara</i>
11:45 – 12:00	44	The Sabu Formation as a Collision Deposit of Woyla Arc and West Sumatra Terrane <i>Angga Jati Widiatama, Rezki Naufan Hendrawan, Happy Christin Natalia, Rikza Nur Faqih An Nahar, Evan Rosyadi Ogara, Indra Sanjaya, Lauti Dwita Santy, Vallery Ingrid Evitayanti</i>

Technical Session Day 1, Wednesday, 21 September 2022, 15:00 – 16:00 WIB

TS-3 : Geothermal, Petroleum and Coal Geology and Technology (I) (ROOM 1)

Chair/Moderator : Dr. Ir. Ferian Anggara, S.T., M.Eng., IPM.

Time (WIB)	ID	Title
15:00 – 15:15	4	Low Rank Coal Upgrading to Optimize its Utilization as Fuel <i>Datin Fatia Umar, Suganal, Zulfahmi, Nendaryono Madi Utomo, Ika Monika, Liston Setiawan</i>
15:15 – 15:30	20	Comparison Method to Reveal A Low Resistivity Reservoir Potential in Gumai Formation, South Sumatra Basin <i>Dhea Adisty Pratami, Sarju Winardi, Sugeng Sapto Surjono, Widi Atmoko</i>
15:30 – 15:45	26	Characteristics and Potential of Coal for Coking Coal in Meliat and Tabul Formation, Tarakan Basin, Nunukan, North Kalimantan <i>Mohamad Kurniadi, Ferian Anggara</i>
15:45 – 16:00	54	Structural Kinematics of Indosinian Orogeny in Suphanburi, Thailand <i>Muhammad Rozalli, Niti Mankhemthong, Christopher K Morley</i>

TS-4 : Mineralogy, Petrology and Economic Mineral Resources (I) (ROOM 2)

Chair/Moderator : Ir. Esti Handini, S.T., M.Eng., D.Sc.

Time (WIB)	ID	Title
15:00 – 15:15	10	Porosity Modification, A Key to the Carbonate Diagenetic Environments. Case Study: Reefal Limestone, Marah Formation, East Borneo, Indonesia <i>D. Rahmawati, M. D. Balfas, P. I. Rindawati, K. Sasmito, H. F. Rahman, A. F. Rojabi</i>

15:15 – 15:30	22	Potential of Manganese Ore Deposit in Sukaagung Village, Tanggamus Regency, Lampung <i>H.C., Natalia, A.J., Widiyatama, R.N., Hendrawan, R.N., Fakh</i>
15:30 – 15:45	32	Mineralogical Characteristics of the Mekarbakti Low Sulphidation Epithermal Gold Prospect at Garut Regency, West Java, Indonesia <i>Lismadhana Imawan, Anastasia Dewi Titisari, Arifudin Idrus</i>
15:45 – 16:00	52	Mineralogical and Physical Characteristics of Ampo, Traditional Food Made from Clay in the Cirebon Region <i>M Mahanani, I W Warmada, E Retnaningrum</i>

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Technical Session Day 2, Thursday, 22 September 2022, 09:00 – 10:30 WIB

TS-5 : Georesources and Geohazard Management (ROOM 1)		
Chair/Moderator : Dr.Eng. Ir. Lucas Donny Setijadji, S.T., M.Sc., IPU.		
Time (WIB)	ID	Title
09:00 – 10:15	2	A Multi-Parameter Approach to Determining the Cause of Flood in Luwu North South Sulawesi <i>Heru Hendrayana, Indra Agus Riyanto, Azmin Nuha, Ruslisan</i>
09:15 – 09:30	9	Sinkholes Mapping in Tanjungsari, Gunung Kidul Regency, Yogyakarta: A Preliminary Data for the Assessment of Sinkhole's Subsidence Susceptibility <i>Sokvireak Say, Doni Prakasa Eka Putra, Matsushima Kakuya</i>
09:30 – 09:45	19	Integration of Fuzzy Sets, AHP, and Topsis Methods for Estimation of Liquefaction Potential Zones in Wates Groundwater Basin, Kulon Progo, Special Region of Yogyakarta <i>Muhamad Iham, Doni Prakasa Eka Putra</i>
09:45 – 10:00	37	Detection and Mechanical Interpretation of Surface Displacement Caused by Volcanic and anthropogenic Interactions around the Bandung Basin, Indonesia through Multi Temporal Interferometric SAR (MT-InSAR) Technique <i>P G Sabrian, A Saepuloh, M R Septyandy, Heriyanto</i>
10:00 – 10:15	28	Assessment of Physical, Social, and Economic Vulnerability to Landslides Disaster in The Karangsembung Karangbolong National Geopark, Indonesia <i>Dimas Aryo Wibowo, Puguh Dwi Raharjo, Eko Puswanto, Unggul Handoko, Mohammad Al' Afif, Muhammad Anggri S.</i>
10:15 – 10:30	14	Study of Weathering and Rock Mass Quality Using the Geological Strength Index (GSI) Method on the Tuntun Mine Road, Banggai Regency, Central Sulawesi Province <i>Hendra Pachri, Safruddim, Muh.Fajrin</i>

TS-6 : Geophysics, Computation in Geological Engineering and Geohazard Management (ROOM 2)		
Chair/Moderator : Ir. I Gde Budi Indrawan, S.T., M.Eng., Ph.D., IPM.		
Time (WIB)	ID	Title
09:00 – 10:15	6	Artificial Intelligence-Based Landslide Studies in Indonesia: A Systematic Review in Recent Years <i>T. H. W. Kristyanto, U. Wusqa, T. Y. R. Destyanto</i>
09:15 – 09:30	30	The Dawn of Spatial Geoscience Big Data in Indonesia and Challenges for its Adaptation in Geological Engineering Higher Education <i>Lucas Donny Setijadji</i>
09:30 – 09:45	47	Aquifer Mapping Using Geo-Electrical Resistivity Survey for Seepage Mitigation in Kuwil Kawangkoan Dam, North Minahasa, North Sulawesi, Indonesia <i>Rizal Setiawan, Wahyu Wilopo, Pulung Arya Pranantya</i>
09:45 – 10:00	12	Geothermal Prospecting with Geological Structure Interpretation Using Gravity and Geomagnetic Modeling: Way Selabung Potential Area, South Ogan Komering Ulu, South Sumatera, Indonesia <i>Nugroho Prasetyo, Irfan Prasetyo, Patria Ufaira Aprina, Meschac T. Silalahi</i>

10:00 – 10:15	40	A Preliminary Study of Past Geological Disasters In The Trowulan Majapahit Cultural Heritage Area, Mojokerto Regency, East Java <i>Bagaskara Wahyu Purnomo Putra, Didit Hadi Barianto, Agung Setianto</i>
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Technical Session Day 3, Friday, 23 September 2022, 09:00 – 11:30 WIB

TS-7 : Geothermal, Petroleum and Coal Geology and Technology (II) (ROOM 1)		
Chair/Moderator : Rahmadi Hidayat, S.T., M.Eng.		
Time (WIB)	ID	Title
09:00 – 10:15	3	Facies Controls on the Fracability in Shale Hydrocarbon Development Based on Geomechanical Analysis from Well Log and Mineralogy Analysis from Drill Cuttings: A Case Study of the Lower Baong Fm and Belumai Fm of Well NSB-001 in the North Sumatra Basin, Indonesia <i>Aris Buntoro, Basuki Rahmad, M. Nurcholis, Erlangga Septama, Allen Haryanto Lukmana, Edo Anuraga</i>
09:15 – 09:30	16	Analysis of Top Overpressure and its Generating Mechanism in The Offshore “Tyas” Block, Lower Kutai Basin, East Kalimantan <i>Fatima Azzahra Ayuningtyas, Jarot Setyowiyoto, Moch Rushatmanto</i>
09:30 – 09:45	21	Source Rock Quality and 1D Maturity Model in Pendalian Sub-Basin, Central Sumatra Basin <i>Putri Dwi Afifah, Donatus Hendra Amijaya, Sarju Winardi, Widi Atmoko</i>
09:45 – 10:00	27	Enrichment of Rare Earth Elements and Yttrium (REY) in Meliat and Tabul Formation Coal, Tarakan Sub-Basin, North Kalimantan Province <i>Muhammad Abdul Aziz Amira, Ferian Anggara</i>
10:00 – 10:15	29	Geochemical and Petrographic Characteristics of Coal in Potential of Critical Elements Susubang-Uko and Roto Samurangau, Pasir Regency, East Kalimantan <i>Rara Fajrina M, Ferian Anggara</i>
10:15 – 10:30	53	Siliciclastic Reservoir Geo-modeling using TGS-SIS hybrid algorithm of the Upper Cibulakan Formation, Offshore Northwest Jawa Basin <i>Harlan Renaldi, Sugeng S Surjono, Sarju Winardi, P. K. Dani Setiawan</i>

TS-8 : Mineralogy, Petrology and Economic Mineral Resources (II) (ROOM 2)		
Chair/Moderator : Ir. Anastasia Dewi Titisari, M.T., Ph.D., IPU.		
Time (WIB)	ID	Title
09:00 – 10:15	13	Preliminary Study of The Phyllite Rock from the Luk Ulo Melange Complex, Central Java, Indonesia <i>Isyqi, Nugroho Imam Setiawan, Ferian Anggara</i>
09:15 – 09:30	15	Characteristics of Pyrophyllite and Hydrothermal Alteration at Argotirto Area, Malang Regency, East Java, Indonesia <i>Vanadia Martadiastuti, Tri Winarno, Rinal Khaidar Ali, Eva Cintia Purba</i>
09:30 – 09:45	11	Geological Structure Analysis Approach to Control the Distribution of Manganese in Gunungkasih Area, Tanggamus District, Lampung Province <i>Rezki Naufan Hendrawan, Angga Jati Widiatama, Muhammad Irsyad, Ahmad Dennil Zainuddin, Aditya Gunawan, Rikza Nur Faqih An Nahar, Happy Christin Natalia, Evan Rosyadi Ogara</i>
09:45 – 10:00	38	Hydrothermal Mineralogy Characteristic at the Bakan Gold District, Northern Sulawesi, Indonesia: Field Mapping, SWIR Spectroscopy, and Petrographic-Ore Microscopy <i>Aditya Pratama, Arifudin Idrus, I Wayan Warmada, Johan Arif, Atmasari Rura</i>
10:00 – 10:15	39	Control of Lithology, Structures, and Breccia to the Gold Mineralization in the Bakan Gold District, Northern Sulawesi, Indonesia <i>Aditya Pratama, Arifudin Idrus, I Wayan Warmada, Johan Arif</i>

10:15 – 10:30	49	Nickel as a Strategic Mineral and its Potential Resources in X-Field, North Konawe, Southeast Sulawesi, Indonesia <i>Fatimah, D.Y., Her Krissantto, J.Y., Nugroho, R.P., Pamunga, M.A.</i>
10:30 – 10:45	51	Volume Estimation of the Thickest Scoriaceous Tephra-Fall Deposit on the South-Southwestern Flank of Mt. Raung <i>Agung Harijoko, Sherinna Mega Cahyani, Mradipta Lintang Alifcanta Maktikanana, Haryo Edi Wibowo</i>
10:45 – 11:00	50	Porosity and Hydraulic Conductivity of Volcanic Rocks on the Northern Slope of Bromo-Tengger Volcano Complex <i>Aisyah Salsabilla Rositha, Doni Prakasa Eka Putra, Lucas Donny Setijadji, Heru Hendrayana</i>

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