

DAY 1: 20 December 2021				
Time (UTC +7)	Main Zoom	Zoom 1	Zoom 2	Time (UTC +7)
7:30	Room open and preparation			7:30
8:25	<b>Formal Opening by MC</b>			8:30
8:30	Welcoming address from organizer			8:45
8:35	Welcoming Address from Dean Faculty of Engineering UGM			8:55
8:45	Remarks from representative of JICA Indonesia Office: Mr. Tsutomu TANAKA			9:10
8:55	Remarks from representative of JICA Project for AUN/SEED-Net: Prof. Emeritus Dr. Tamon UEDA			9:10
9:10	<b>Plenary session 1: "Geological and Geo-resource Engineering for Sustainable Earth"</b>			9:15
9:10	Opening by moderator			9:35
9:15	Keynote speaker 1: Prof Subagyo Pramumijoyo			9:55
9:35	Keynote speaker 2: Prof Dwikorita Karnawati			10:15
9:55	Keynote speaker 3: Prof. Tsutomu Sato			10:35
10:15	Keynote speaker 4: Prof. Toshifumi Igarashi			10:55
10:35	Keynote speaker 5: Prof. Yasuhito Osanai			11:00
10:55	Panel discussion led by Dr. Gayatri Marliyani			11:30
11:00				12:00
11:30				12:00
12:00				12:00
12:00	<b>Break</b>			13:00
13:00				13:00
13:00	Parallel session P1 (4)	Parallel session P8 (4)	Parallel session P5 (4)	13:00
14:00	Real-time live discussion scientific workshop			14:00
14:00		Parallel session P6 (5)	Parallel session P9 (5)	15:00
15:00				16:00
16:00		Early Career Virtual Café Chat Session		17:00
17:00	<b>Closing of day 1</b>			17:00
DAY 2: 21 December 2021				
Time (UTC +7)	Main Zoom	Zoom 1	Zoom 2	Time (UTC +7)
7:30	<b>Room open and preparation</b>			7:30
8:00	Special Lecture Series Or Expert Talks by Prof. Yasuhito Osanai	Parallel session P2 (4)	Parallel session P3 (4)	8:00
9:00				9:00

10:00	Special Lecture Series Or Expert Talks by Prof. Toshiaki Hasenaka	Parallel session P4 (5)	Parallel session P7 (5)	10:00
11:00				11:00
12:00	Break			12:00
13:00	Break			13:00
13:10	<b>Plenary Session 2: "Circular Economy of Earth Resources"</b>			13:10
13:10	Opening by moderator			13:10
13:15	Keynote speaker 1: Prof. Kotaro Yonezu			13:15
13:35	Keynote speaker 2: Adi Maryono, M.Sc.			13:35
13:55	Keynote speaker 3: Dr. Rita Susilawati			13:55
14:15	Keynote speaker 4: Dr. Kamar Shah			14:15
14:35	Panel discussion led by Dr. Lucas Donny			14:35
15:00	Plenary 2 ends			15:00
15:00-15:10	Break			15:00-15:10
15:10	Opening of closing ceremony by MC			15:10
15:15	AUN/SEED-Net promotional session			15:15
15:30	AEJ promotional session			15:30
15:45	Best presenter announcement by conference chair			15:45
15:50	Closing remarks by Head of Geological Engineering Department			15:50
16:00	Closing of day 1			16:00
16:00-17:00	AUN/SEED-Net Virtual Café Chat Session			16:00-17:00

Time (WIB)	Paper ID #	Authors	Title
			<b>P1. Conventional and non-conventional energy resources</b>
34		Ferlan Anggara, Mardhani Risetiawan, Fadi Robbi Assamarqandi, Bunga Fitri Sartika, Iknanda Januar Rizaldi, Vanisa Syahra, Muhammad Abdurachman Ibrahim and Soleh Basuki Rahmat	Screening criteria of Underground Coal Gasification (UCG): a Case Study from Mangunjaya Area, South Sumatra Basin, Indonesia
37		Hendra Amijaya, Wiranata Bery, Ferlan Anggara and Deddy Nop Tanggara	Lithotype And Maximum Fluidity Characteristic of Tanjung Formation Coking Coal from Barito Basin, Kalimantan, Indonesia
3		Aprilana Cahyono, Jarot Setyowijoto and Krisputro Wahyu Nugroho	Build Metasediment Fractured Basement Reservoir Using Trend Fracture Model for ALC Field on South Sumatra Basin.
16		Sebastianio S A S Dondo, Sugeng S Surjono and I Wayan Warmada	Application of Hydraulic Flow Unit (HFU) and Windland R35 Methods in Sand-S Reservoir, Field 'S', Talang Akar Formation, ARI Basin, Indonesia
			<b>P2. Disaster Management and Disaster Risk Reduction</b>
36		Odm Lorm, Egy Erzagan and Wahyu Wilopo	Flood Assessment After Cempaka Cyclone 2019 in Imegi District, Bantul Regency of Yogyakarta, Indonesia
6		Rusma Raudhathin Firlah, Sokrirek Sih, Hendy Setiawan and Doni Prakasa Eka Putra	Land Subsidence Hazard Mapping in relation with Sinkholes in Saptosari District, Gunung Kidul, Indonesia
2		Syamsidar Sutan Maim Polwan and N/Matul Azizah Raharjanti	Preliminary Study of Landslide Hazard in Kutai Kartanegara Regency, East Kalimantan
14		Fahrizal Patriaman, Teuku Faisal Fathani and Wahyu Wilopo	Application of stone column method for liquefaction mitigation in Palu Bay area after the 2018 Palu earthquake
			<b>P3. Environmental Science</b>
12		Theerayut Phengsaart, Phuckanran Phradud, Wasuthon Tonabut, Jiraphon Ekasin, Pattaranun Katethol, Putipat Sirisetpakdee, Jakapan Pimolrat, Onchanok Juntarasakul, Natatsawas Soonthornwiphat and Somsak Salsinchai	The pre-liminary study on surface modification of magnetite for microplastic removal from water
43		Bach Thao Nguyen and Van Le Khoo Thi	INTEGRATED SWAT-MODFLOW MODEL TO STUDY SALTWATER INTRUSION IN DA NANG COASTAL CITY
9		Susi Chairani	The Correlation between Rainfall, Temperature, Relative Humidity, and Rice Field Productivity in Aceh Besar
26		Jameal Magno and Wawan Budianta	Spatial Distribution and Pattern of Heavy Metals in Urban Soils of Yogyakarta, Indonesia
44		Qoyum Rachmala	Evaluation of the use automatic pressure reducing valve to reduce non-revenue water at Banjarmash water company
			<b>P4. Hydrogeology and water resources management</b>
33		Kong Chhuon, Khy Eam Eang, Vuthy Chork and Ratha Doung	Seasonal comparison of groundwater level and quality in the catchment of the Tonle Sap Lake, Cambodia
11		Phyu Phyu Thiu, Heru Hendrayana, Wahyu Wilopo and Satoru Kawasaki	Geochemical characterization of the coastal alluvial aquifer in Wates, Yogyakarta, Indonesia
41		Nana Udin and Wiwat Suryanto	Identification of Seismic Response to Aquifer System (A Synthetic Modelling Approach)
7		Mohamad Yudi Purnawan, Heru Hendrayana and Lucas Donny Setijadi	Reducing groundwater use and mitigating floods through increasing surface water utilization in the Cimahi Region of West Java Indonesia
8		Rony Rahmad Riady, Wahyu Wilopo and I Wayan Warmada	Groundwater Quality Assessment for Agriculture in Lobalain District, East Nusa Tenggara Province
			<b>P5. Mineral resources, exploration, and mining technology</b>
35		Nathaniel Parcuela, Carla Dimalanta, Leo Armada, Rurik Austria, Jillian Aira Gabo-Rato and Graclano Yumul Jr.	Band processing of Landsat 8-OLI multi-spectral images as a tool for delineating alteration zones associated with porphyry prospects: A case from Soyoc, Benguet, Philippines
40		Kamar Shah Ariffin	Geochemical behavior, characterization and distribution pattern of REE associated with S-type of Magnetite series weathered granite of Perinisua Malaysia
17		Ade Jiga, Papiachya Pudpong, Jirathpapoi Pasitbhattarabhorn, Onchanok Juntarasakul, Jakapan Pimolrat, Natatsawas Soonthornwiphat and Theerayut Phengsaart	Gold recovery from the residue of jewelry waste recycling: pre-treatment using shaking table separation and flotation
21		Bela Islamadina and I Wayan Warmada	Mineralogy and geochemistry of Kiripan manganese ore deposit, Hargorejo Village, Kokap District, Kulonprogo Regency
			<b>P6. Petrology and Volcanology</b>
13		Muhammad Eval Juni Wijaya, Lucas Donny Setijadi and Haryo Edi Wibowo	Geology of North Eastern Kaba Volcano, Bengkulu Province, Indonesia
19		Mradipta L.A. Moklikanana, Agung Harjoko and Haryo E. Wibowo	Reconnaissance study on the stratigraphy and characteristics of eruption products associated with basaltic caldera in Raung volcano, East Java, Indonesia
24		Hana Nur Aini, Nugroho Imam Setiawan, Muhammad Nashrul Haq, Candra Arief Mahardika, Agung Harjoko, Haryo Edi Wibowo, Suwito Nugroho and Setiawan Ruly	Characteristics of Mengger Formation's Volcaniclastic in Csaat River, Brebes, Central Java, Indonesia
29		Dini Nuari Ardian, Agung Harjoko, Haryo Edi Wibowo, Herlan Darmawan, Wahyudi, Bachzir W Muqtari, Suratman Worsuprojo, Nia Haerani and Wikanti Asmiringrum	Grain size, mineralogical, and geochemistry of the 1996-2018 Volcanic Products of Anak Krakatau Volcano, Indonesia
31		Jabotio Primitiakanis, Nugroho Imam Setiawan and Chusni Ansoni	Distribution, Petrographic Analysis, and Preliminary Source Identification of Hindu-Buddhist Artifacts in Karangasung-Karangbolong National Geopark and Surrounding Areas, Kebumen, Central Java, Indonesia
			<b>P7. Soil and rock mechanics, geotechnical engineering</b>
38		Minh-Tuan Pham and Dinh-Tu Nguyen	Soil expansion acting within granular embankment reinforced by geosynthetic over sinkhole
23		Afikah Rahim, Hareyani Zabidi and Nasaie Mohd Taslim	Evaluation of The Effect of Rock Joints on The Stability of Underground Tunnels
1		Robert Edison, Supriyanto Rohadi and Nelly Florida Riama	Engineering Bedrock Estimation at West Side of Pangandaran, West Java
25		Barlian Aditama, Hendy Setiawan and I Gde Budi Indrawan	Geology and the effect of compaction on base material disposal for the stability of coal disposal slopes in South Kalimantan, Indonesia
32		Moh Hilmi Naufal and Hendy Setiawan	Characteristics of Engineering Geology in Talegong Road, Talegong, Garut, West Java, Indonesia
			<b>P8. Remote sensing and GIS technology</b>
20		Radihya Putra, Agung Harjoko, Haryo E. Wibowo and Agus Budi Santoso	Monitoring Lava Dome Extrusion of Merapi Volcano During 2018-2019, Using Low-Cost UAV Application
27		M Nur Fadlmmas, Muhammad Dwika Farhan, Agung Setianto and Salahuddin Salahuddin	Zoning of the tsunami area on the coast of Bantul Regency, Yogyakarta with tsunami run-up modeling
10		Muhamad Ilham and Doni Prakasa Eka Putra	Integrated mapping of the earthquake induced liquefaction in Wates Groundwater Basin, Kulon Progo for land use planning consideration: A preliminary study
22		Alfin Aska Syaqui, Haryo Edi Wibowo and Agung Harjoko	Morphometric Characteristic and Distribution of Hummocky Hills in Debris Avalanche Deposit of Galunggung Volcano, West Java, Indonesia
			<b>P9. Modeling in Geology and Geophysics</b>
39		Aunim Datarmetiana and Wnat Suryanto	Parameter Test on Time Migration with Kirchhoff Method on 2D Synthetic Data with Digging Event dan Its Reflector Structural Change
28		Thaon Ranyakol, Wawan Budianta and Lorian Firmansyah	Slope stability analysis of intake foundation slope of Bener dam Purworejo regency, Central Java by using finite element method
42		Esti Hendini, I Wayan Warmada, Toshiaki Hasenaka, Nicholas Barber and Tomoyuki Shibata	Geochemistry of Arc Alkaline magmatism of Java Island, Sunda Arc: a statistical review
30		Hendra Santoso, I Gde Budi Indrawan and Wahyu Wilopo	Evaluation of slope stability with the approach of predicting the volume of landslide material using the 2-dimensional limit equilibrium method
15		Sherinna Mega Cahyani, Haryo Edi Wibowo, Mradipta L. A. Moklikanana, Agung Harjoko and Kristianto	Estimation of Volume and Column Height from Pumiceous Tephra-Fall Deposits of Mt. Raung, East Java, Indonesia

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**13.00-14.00 (UTC +7)**

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13:00 - 13:15	Main Zoom	P1. Conventional and Non-Conventional Energy Resources	34	Ferian Anggara, Mardhani Riasetiawan, Fadli Robbi Assamarqandi, Bunga Fitri Sartika, Iknanda Januar Rizaldi, Vanisa Syahra, Muhammad Abdurachman Ibrahim and Soleh Basuki Rahmat	Screening criteria of Underground Coal Gasification (UCG): a Case Study from Mangunjaya Area, South Sumatra Basin, Indonesia
13:15 - 13:30			37	Hendra Amijaya, Wiranata Beny, Ferian Anggara and Deddy Nsp Tenggara	Lithotype And Maximum Fluidity Characteristic of Tanjung Formation Coking Coal from Barito Basin, Kalimantan, Indonesia
13:30 - 13:45			3	Aprilana Cahyono, Jarot Setyowiyoto and Krisputro Wahyu Nugroho	Build Metasediment Fractured Basement Reservoir Using Trend Fracture Model for ALC Field on South Sumatra Basin.
13:45 - 14:00			16	Sebastiano S A S Dondo, Sugeng S Surjono and I Wayan Warmada	Application of Hydraulic Flow Unit (HFU) and Windland R35 Methods in Sand-5 Reservoir, Field 'S', Talang Akar Formation, Asri Basin, Indonesia
13:00 - 13:15	Zoom 1	P8. Remote sensing and GIS technology	20	Raditya Putra, Agung Harijoko, Haryo E. Wibowo and Agus Budi Santoso	Monitoring Lava Dome Extrusion of Merapi Volcano During 2018-2019, Using Low-Cost UAV Application
13:15 - 13:30			27	M Nur Fadlinnas, Muhammad Dwika Farhan, Agung Setianto and Salahuddin Salahuddin	Zoning of the tsunami area on the coast of Bantul Regency, Yogyakarta with tsunami run-up modeling
13:30 - 13:45			10	Muhamad Ilham and Doni Prakasa Eka Putra	Integrated mapping of the earthquake induced liquefaction in Wates Groundwater Basin, Kulon Progo for land use planning consideration: A preliminary study
13:45 - 14:00			22	Alfin Azka Syaqui, Haryo Edi Wibowo and Agung Harijoko	Morphometric Characteristic and Distribution of Hummocky Hills in Debris Avalanche Deposit of Galunggung Volcano, West Java, Indonesia
13:00 - 13:15	Zoom 2	P5. Energy and Mineral resources, exploration, and mining technology	35	Nathaniel Parcutela, Carla Dimalanta, Leo Armada, Rurik Austria, Jillian Aira Gabo-Ratio and Graciano Yumul Jr.	Band processing of Landsat 8-OLI multi-spectral images as a tool for delineating alteration zones associated with porphyry prospects: A case from Suyoc, Benguet, Philippines
13:15 - 13:30			17	Ade Jiga, Papichaya Pudpong, Jirathpapol Pasithbhattarabhorn, Onchanok Juntarasakul, Jakapan Pimolrat, Natatsawas Soonthornwiphath and Theerayut Phengsaart	Gold recovery from the residue of jewelry waste recycling: pre-treatment using shaking table separation and flotation
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13:45 - 14:00			44	Puspita Dian Maghfira, Pri utami, Sintia W Niasari	Heat flow and gravity anomalies in some presumed hidden geothermal prospects in Java
14:00-14:15			46	Jillian Gabo-Ratio, Karl Jabagat, Omar Soberano, Kotaro Yonezu and Yuan-Hsi Lee	Geochemistry and geochronology of intrusive units in the Suyoc epithermal deposit: Constraints on magma fertility in the Mankayan Mineral District, Philippines

**14.00-15.15 (UTC +7)**

14:00 - 14:15	Zoom 1	P6. Petrology and Volcanology	19	Mradipta L.A. Mektikanana, Agung Harijoko and Haryo E. Wibowo	Reconnaissance study on the stratigraphy and characteristics of eruption products associated with basaltic caldera in Raung volcano, East Java, Indonesia
14:15 - 14:30			24	Hana Nur Aini, Nugroho Imam Setiawan, Muhammad Nashirul Haq, Candra Arief Mahardika, Agung Harijoko, Haryo Edi Wibowo, Suwito Nugroho and Setiawan Ruly	Characteristics of Mengger Formation's Volcaniclastic in Cisaat River, Brebes, Central Java, Indonesia
14:30 - 14:45			29	Dini Nuari Ardian, Agung Harijoko, Haryo Edi Wibowo, Herlan Darmawan, Wahyudi, Bachtiar W Mutaqin, Suratman Worosuprojo, Nia Haerani and Wikanti Asriningrum	Grain size, mineralogical, and geochemistry of the 1996-2018 Volcanic Products of Anak Krakatau Volcano, Indonesia
14:45 - 15:00			31	Jabatio Primizakaria, Nugroho Imam Setiawan and Chusni Ansori	Distribution, Petrographic Analysis, and Preliminary Source Identification of Hindu-Buddhist Artifacts in Karangsambung-Karangbolong National Geopark and Surrounding Areas, Kebumen, Central Java, Indonesia
15:00 - 15:15			13	Muhammad Eval Juni Wijaya, Lucas Donny Setijadji and Haryo Edi Wibowo	Geology of North Eastern Kaba Volcano, Bengkulu Province, Indonesia
14:00 - 14:15	Zoom 3*	P9. Modeling in Geology and Geophysics	39	Aurum Datametrianana and Wiwit Suryanto	Parameter Test on Time Migration with Kirchoff Method on 2D Synthetic Data with Dipping Event dan Its Reflector Structural Change
14:15 - 14:30			28	Thuon Ranyasakol, Wawan Budianta and Lorian Firmansyah	Slope stability analysis of intake foundation slope of Bener dam Purworejo regency, Central Java by using finite element method
14:30 - 14:45			42	Esti Handini, I Wayan Warmada, Toshiaki Hasenaka	Geochemistry of Arc Alkaline magmatism of Java Island, Sunda Arc: a statistical review
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15:00 - 15:15			15	Sherinna Mega Cahyani, Haryo Edi Wibowo, Mradipta L. A. Mektikanana, Agung Harijoko and Kristianto	Estimation of Volume and Column Height from Pumiceous Tephra-Fall Deposits of Mt. Raung, East Java, Indonesia

**DAY 2: 21 December 2021**

**08.00-09.00 (UTC +7)**

Time (UTC +7)	Room	Parallel Session	Paper ID #	Authors	Title
08.00 - 08.15	Zoom 1	P2. Disaster Management and Disaster Risk Reduction	36	Odm Lornn, Egy Erzagian and Wayuh Wilopo	Flood Assessment After Cempaka Cyclone 2019 in Imogiri District, Bantul Regency of Yogyakarta, Indonesia
08.15 - 08.30			6	Rusma Raudhatin Firillah, Sokvireak Say, Hendy Setiawan and Doni Prakasa Eka Putra	Land Subsidence Hazard Mapping in relation with Sinkholes in Saptosari District, Gunung Kidul, Indonesia
08.30 - 08.45			2	Syamsidar Sutan Malim Polawan and Ni'Matul Azizah Raharjanti	Preliminary Study of Landslide Hazard in Kutai Kartanegara Regency, East Kalimantan
08.45 - 09.00			14	Fahrizal Patriaman, Teuku Faisal Fathani and Wahyu Wilopo	Application of stone column method for liquefaction mitigation in Palu Bay area after the 2018 Palu earthquake
09.00 - 09.15			45	Phoulid Saenkang, Hendy Setiawan	Engineering Geology Characteristic in The Development of The Urban Area in The Landslide Susceptibility Zone in Steep Slope Landscape at Gunung Kidul Regency, Southeast Part of Yogyakarta, Indonesia.
08.00 - 08.15	Zoom 2	P3. Environmental Science	12	Theerayut Phengsaart, Phuckanan Phradub, Wasuthon Tonabut, Jiraphon Ekin, Pattaranun Katethol, Putipat Sirisetpakdee, Jakapan Pimolrat, Onchanok Juntarasakul, Natatsawas Soonthornwiphath and Somsak Saisinchai	The pre-liminary study on surface modification of magnetite for microplastic removal from water
08.15 - 08.30			9	Susi Chairani	The Correlation between Rainfall, Temperature, Relative Humidity, and Rice Field Productivity in Aceh Besar
08.30 - 08.45			26	Jameal Magno and Wawan Budianta	Spatial Distribution and Pattern of Heavy Metals in Urban Soils of Yogyakarta, Indonesia
08.45 - 09.00			43	Bach Thao Nguyen and Van Le Khoa Thi	Integrated Swat-Modflow Model to Study Saltwater Intrusion in Da Nang Coastal City
09:00-09:15			47	Qoyyum Rachmalia	Evaluation of the use automatic pressure reducing valve to reduce non-revenue water at Banjarmasin water company

**10.00-11.15 (UTC +7)**

10.00 - 10.15	Zoom 1	P4. Hydrogeology and water resources management	33	Kong Chhuon, Khy Eam Eang, Vuthy Chork and Ratha Doung	Seasonal comparison of groundwater level and quality in the catchment of the Tonle Sap Lake, Cambodia
10.15 - 10.30			11	Phyu Phyu Thin, Heru Hendrayana, Wahyu Wilopo and Satoru Kawasaki	Geochemical characterization of the coastal alluvial aquifer in Wates, Yogyakarta, Indonesia
10.30 - 10.45			41	Yana Udin and Wiwit Suryanto	Identification of Seismic Response to Aquifer System (A Synthetic Modelling Approach)
10.45 - 11.00			7	Mohamad Yudi Purnawan, Heru Hendrayana and Lucas Donny Setijadji	Reducing groundwater use and mitigating floods through increasing surface water utilization in the Cimahi Region of West Java Indonesia
11.00 - 11.15			8	Rony Rahmad Riady, Wahyu Wilopo and I Wayan Warmada	Groundwater Quality Assessment for Agriculture in Lobalain District, East Nusa Tenggara Province
10.00 - 10.15	Zoom 2	P7. Soil and rock mechanics, geotechnical engineering	23	Afikah Rahim, Hareyani Zabidi and Nasae Mohd Taslim	Evaluation of The Effect of Rock Joints on The Stability of Underground Tunnels
10.15 - 10.30			25	Barlian Aditama, Hendy Setiawan and I Gde Budi Indrawan	Geology and the effect of compaction on base material disposal for the stability of coal disposal slopes in South Kalimantan, Indonesia
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