

3rd International Seminar on Earth Sciences and Technology

Rundown Schedule (GMT+7)

Day 1 [Venue 1: CRCS Main Hall]

Time		Rundown		
07:00	08:00	Participant Registration		
08:00	08:30	Opening Ceremony		
08:30	09:00	Keynote Speaker: Dr. Alvin C. G. Varquez		Moderator: Ivonne Milichristi Radjawane, S.Si., M.Si., Ph.D.
09:00	09:30	Keynote Speaker: Hansan Park, Ph.D.		
09:30	10:00	Discussion		
10:00	10:15	Coffee Break		
10:15	10:45	Keynote Speaker: Ir. Sakti Wahyu Trenggono, M.M, M.S.P.		Moderator: Dr. Lamona Irmudyawati Bernawis, M.Sc.
10:45	11:00	Special Session: Blue Economy	Invited Speaker: Prof. Dr. Ir. Luky Adrianto, M.Sc. Kepala Lembaga Riset Internasional Kelautan, Kemaritiman, dan Perikanan IPB	
11:00	11:15		Invited Speaker: Kemal Pramayuda, S.T., MT. Direktorat Kelautan dan Perikanan, Badan Perencanaan dan Pembangunan Nasional (Bappenas) Republik Indonesia	
11:15	11:30		Laksamana Muda TNI Supo Dwi Diantara, ST., M.Tr.Opsla., IPU.,M.A., M.S.P., APEC Eng. [ABS-48] Unveiling the Dynamics of Marine and Fisheries Violations in Indonesia	
11:30	11:45		Dr. Ir. Wahyu Indra Sakti, M.T., M.SP. [ABS-29] Site Selection for Social Engineering Implementation in Modern Fishing Village in Indonesia (A case study of Samber-Binyeri Village, Papua, Indonesia) Abstract	
11:45	12:00		Ir. David Gina Ketaren, M.SP. [ABS-28] Indonesia's Ecosystem Mangrove: Status, Challenges, Management for Climate Change Mitigation	
12:00	12:15		Discussion	
12:15	13:00	Lunch Break		
13:00	13:15	Special Session: Blue Economy	Invited Speaker: Prof. Dr. Ocky Karna Radjasa, M.Sc. Kepala OR Kebumian dan Maritim BRIN	Moderator: Dr.rer.nat. Rima

13:15	13:30	Special Session: Blue Economy	Invited Speaker: Dr. Eng. Hamzah Latief, M.S. FITB ITB	Rachmayani
13:30	13:45		Freshty Yulia Arthatiani, S.Pi., M.Si. [ABS-45] Review of The Ocean Health Index Framework: Adaptation for Marine Protected Area Governance	
13:45	14:00		Syamdidi, S.Pi., M.App.Sc. [ABS-39] Carbon Emissions from Purse Seine Fishing Vessel at Cilacap Fishing Port	
14:00	14:15		Kamaluddin Kasim, S.Pi., M.Sc. [ABS-43] The Fishery Performance Indicators for Indonesia Red Snapper Fishery in The Arafura and Timor Sea	
14:15	14:30		Tri Yuwono, S.Pi., M.Si. [ABS-51] Exploring Plastic Waste Sources in Fishing Ports: Strategies for Mitigation and Economic Opportunitiesust Try to Submit This Sample Abstract	
14:30	14:45	Coffee Break		
14:45	15:00	Parallel Session: Interdisciplinary Earth Science and Technology	Ganny Indrajid [ABS-7] Finite Element Method of Slope Stability Analysis: Case Study of Inlet Portal in the Diversion Tunnel of Bagong Dam, East Java, Indonesia	Moderator: Dr. Madam Taqiyya, S.Si., M.Sc.
15:00	15:15		Tsun-Hua Yang [ABS-8] A Method for Evaluating the Impact of Typhoon-Induced Rainfall in Taiwan under Climate Change Scenarios Based on Statistic Models	
15:15	15:30		Dasapta Erwin Irawan [ABS-14] The Role of Socio-Hydrogeology in Closing the Gaps Between Quantitative and Qualitative Approaches in Hydrogeological Mapping	
15:30	15:45		Ibrahim BIN SAID [ABS-87] Environmental Degradation and Malaria Dynamics Amidst IKN Development in Kalimantan: Evaluating the Zoonotic Threat of Plasmodium knowlesi	
15:45	16:00		Agus Setiawan [ABS-90] Utilization of hydroacoustic-based technology to support fishing activities of traditional fishermen in the Bali Strait	

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DAY 1 [Venue 2: CRCS Conference Hall A]

Time		Rundown		
12:15	13:00	Lunch Break		
13:00	13:15	Parallel Session: Ocean Science	Invited Speaker: Ivonne Milichristi Radjawane, S.Si., M.Si., Ph.D.	Moderator: Dr. Iwan Pramesti Anwar, S.Si., M.Si.
13:15	13:30		Parikesit Nuril Azmi [ABS-41] Estimating the Trajectory of Macroplastic Particles in Java Sea Using Numerical Modelling	
13:30	13:45		Oktavira Dwi Demia Larasati [ABS-55] Variability of the Indonesian Throughflow Using Planktonic Foraminifera During the Last Glacial Maximum in the Makassar Strait	
13:45	14:00		Alif Shidqie Al Bani [ABS-62] Analysis of Microplastics in Kejawanan Harbor Cirebon	
14:00	14:15		Reni Wijayanti [ABS-44] The Estimation of Vertical Mixing in Banda Sea	
14:15	14:30		Riska Ayu Safitri [ABS-53] Updating Coastal Ecosystem Data as One of the Steps to Strengthen the Coastal Zone	
14:30	14:45	Coffee Break		
14:45	15:00	Parallel Session: Ocean Science	Fitri Wulan Darojati [ABS-35] Evaluation of the Paleoclimate Modelling Intercomparison Project Phase 4 (PMIP4) Models in Simulating the Contraction of Indo-Pacific Warm Pool Between the Mid-Holocene and Pre- Industrial	Moderator: Farrah Hanifah, S.Si, M.Si.
15:00	15:15		Saat Mubarrok [ABS-36] Future changes of the Seychelles-Chagos Thermocline Ridge in the Southwestern Indian Ocean under global warming scenario projected in the CMIP6 models	
15:15	15:30		Iwan Pramesti Anwar [ABS-37] Numerical simulation insights on salinity increase in estuaries around Ibu Kota Nusantara (IKN) due to Sepaku-Semioi Rivers damming	
15:30	15:45		Maharani Rachmawati Purnomo [ABS-98] Analysis of Marine Ecology During the Last Warming Period of Bolling-Allerod Based on the Abundance and Diversity of Planktonic Foraminifera in the Makassar Strait	
15.45	16.00		Riyadi Zakia Syahrulloh [ABS-40] Hypothetical Modeling of Tsunamis Due to Volcanic Activity In The Teon-Nila-Serua Islands, Maluku Province	

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DAY 1 [Venue 3: CRCS Conference Hall B]

Time		Rundown		
12:15	13:00	Lunch Break		
13:00	13:15	Parallel Session: Atmospheric Science	Invited Speaker: Dr. Atsushi Inagaki	Moderator: Dr. Muhammad Rais Abdillah, S.Si., M.Sc.
13:15	13:30		Aberta Siahaan [ABS-9] Validation of CAMS Particulate Matter 2.5 (PM2.5) Products over Indonesia	
13:30	13:45		Kidung Kinanti [ABS-10] Analysis on the Influence of Geomorphological and Surface Aerodynamic Factors on the Relationship Between Maximum and Average Wind Speed in Indonesia	
13:45	14:00		Ahlil Ilmar Batuparan [ABS-11] Turbulence flux condition in Jakarta during Cross Equatorial Northerly Surge (CENS)	
14:00	14:15		Geraldin Andira Cahyarani Putri [ABS-22] Meteorological Factors Affecting Diurnal Variations of Soil Moisture (Case Study: Pancawati Caringin District, Bogor)	
14:15	14:30		Alecio Yusran Rizqullah [ABS-23] Assessing the Role of Baseflow in Watershed Discharge Under Semi-Annual Rainfall: A Case Study of The Cikapundung Sub-Watershed	
14:30	14:45	Coffee Break		
14:45	15:00	Parallel Session: Atmospheric Science	Do Ngoc Khanh [ABS-24] Impact of global climate change and urbanization on megacities	Moderator: Dr. Nurjanna Joko Trilaksono, S.Si., M.Si.
15:00	15:15		Banu Wijaya Yonas [ABS-25] Sea-Breeze Front Propagation over The Northern Coast of West Java and Association with Inland Convections in The Dry Season	
15:15	15:30		Fattah Ghiffari [ABS-33] Regional-scale of Climate Change over Borneo Based on Conformal Cubic Atmospheric Model	
15:30	15:45		Rahastuti Tiara Adysti [ABS-92] Numerical Simulation on Urban Heat Island and Its Impact on Local Circulations in Indonesias Future Capital of Nusantara	
15:45	16:00		Muhaji Sahnita Putri [ABS-46] Enhancing Hail Prediction Accuracy Through Radar Data Assimilation in Association with Large-Scale Weather Patterns: A Case Study Of Surabaya, February 21, 2022	

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DAY 1 [Venue 4: CAS Convention Hall]

Time		Rundown		
12:00	13:00	Lunch Break		
13:00	13:15	Parallel Session: Solid Earth	Invited Speaker: Ir. Niniek Rina Herdianita, M.Sc., Ph.D.	Moderator: Brian Bramanto S.T., M.T., Ph.D
13:15	13:30		Heri Andreas [ABS-17] Spatio Temporal of Recent Land Subsidence in Jakarta	
13:30	13:45		Keisha Prillia Qayyima [ABS-19] Influence of continental crust in the magmatic process in the Sunda - Tangkubanperahu Volcanic Complex, West Java, Indonesia	
13:45	14:00		Asyer Octhav [ABS-21] The Principal Stress Analysis of Matano Fault from Focal Mechanism Inversion	
14:00	14:15		Nanda Rinaldi [ABS-47] Development of Groundwater Conceptual Model for Regional Groundwater Numerical Model	
14:15	14:30		Fadhil Karunia Hammad [ABS-100] Updating Reservoir Model of Ulumbu Geothermal Field Using Numerical Simulation	
14:30	14:45	Coffee Break		
14.45	15.00	Parallel Session: Solid Earth	Invited Speaker: Ir. Alfend Rudyawan, S.T, M.Sc., M.T., Ph.D.	Moderator: Dr. Astyka Pamumpuni
15:00	15:15		Rahmi Elzulfiah [ABS-67] Subsurface Resistivity Tomography Images of Some Aquifers and Minor Faults near Cimandiri and Lembang Regional Faults	
15:15	15:30		Moh Fadhly Rizki Yazid [ABS-88] Quantitative Geomorphosite Analysis of Ranah Minang Silokek Geopark	
15:30	15:45		Dwi Tunggal Adi Prayanto [ABS-54] Opening Fracture Robustness Analysis of Talang Akar of the South Sumatra Shale Due to Hydraulic Fracturing based on Geomechanical Parameters	
15:45	16:00		Yuliasuti [ABS-57] Spatio-Temporal Analysis of Strain and Seismicity in Kalimantan: Insights into Regional Seismic Hazard Potential	
16:00	16:15		Ciria Humanis Brilian [ABS-95] Identification of Baribis Fault Segment in Ujungjaya Area Through a Geomorphological And Morphotectonic Approach	

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DAY 1 [Venue 5: CRCS DITBANGDIK Meeting Room]

Time		Rundown		
12:00	13:00	Lunch Break		
13:00	13:15	Parallel Session: Interdisciplinary Earth Science and Technology	Invited Speaker: Dr. Riantini Virtriana, S.T, M.T.	Moderator: Dr. Jananda Nuralam Indriyanto
13:15	13:30		Muhammad Abdurrachman Rizqi [ABS-42] Identification of Internal Waves on Lombok Strait using Sentinel-1 Imagery	
13:30	13:45		Kevin Sahat Parsaulian [ABS-49] The Impact of ENSO Phenomena on Electricity Production at Mrica Hydroelectric Power Plant in Central Java (2013-2023)	
13:45	14:00		Indra Andra Dinata [ABS-50] Minimum Requirement for Debris Flow Modelling Using Smoothed Particle Hydrodynamics (SPH)	
14:00	14:15		Adnya Priscilla Prita Pratiwi [ABS-60] A north-southward expansion of sea surface temperature in the Indo-Pacific Warm Pool during Marine Isotope Stage 11: preliminary study	
14:15	14:30		Indira Wido Primadipta [ABS-59] Spatio-Temporal Detection of Seawater Intrusion Using Satellite Data in Pekalongan City (Central Java)	
14:30	14:45	Coffee Break		
14.45	15.00	Parallel Session: Interdisciplinary Earth Science and Technology	Invited Speaker: Mika Rizki Puspaningrum, S.Si., M.T, Ph.D.	Moderator: Muhammad Ridho Syahputra, M.Si.
15.00	15:15		Siti Khairani Permata Sari [ABS-15] Impact of ENSO on the Variability of Electricity Production at a Hydropower Plant in Bakaru Sulawesi, Indonesia	
15:15	15:30		Reza Kurniawan Harnandika [ABS-16] The Influence of ENSO on electricity production in Cirata hydro power	
15:30	15:45		Ryoga Hiroki [ABS-18] Preliminary investigation on the effectiveness of fan-attached jackets in improving thermal comfort	
15:45	16:00		Yan Firdaus Permadhi [ABS-20] The Uncertainty of Extreme Precipitation Events in West Java Region, Indonesia	
16:00	16:15		Xiao Jin [ABS-30] Inter-comparison of present and future urban climates of three cities considering multiple CMIP6 scenarios and urbanization	

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Day 2 [Venue 1: CRCS Main Hall]

Time		Rundown		
07:00	08:00	Participant Registration		
08:00	08:30	Opening Ceremony		
08:30	09:00	Keynote Speaker: H.E. Mrs. Beata Stoczyńska represented by Chargé d'affaires a.i. Mr. Maciej Tumulec	Moderator: Dr.Eng. Mirzam Abdurrachman, S.T., M.T.	
09:00	09:30	Keynote Speaker: Prof. Walter Timo de Vries		
09:30	10:00	Discussion		
10:00	10:15	Coffee Break		
10:15	10:30	Special Session: Disaster Risk Financing (DRF)	Moderator: Dr. Riantini Virtriana, S.T, M.T.	
				Invited Speaker: Prof Irwan Meilano
10:30	10:45			Invited Speaker: Dr. Nicolas Pondard
10:45	11:00			Invited Speaker: Roki Gangsar Winoto
11:00	11:15			Invited Speaker: Dra. Dumaria Rulina Tampubolon, M.Sc., Ph.D.
11:15	11:30			
		Muhammad Wahyu Al Ghifari [ABS-52] Economic Loss Analysis Based on Probabilistic Tsunami Hazard Analysis (PTHA) Method in Batukaras Village		
11:30	13:00	Lunch Break		
13:00	13:30	Keynote Speaker: Prof. David Tappin		
13:30	13:45	Special Session: Disaster Risk Financing (DRF)	Moderator: Alfend Rudyawan, PhD	
				Invited Speaker: Dr Muhammad Rais Abdillah
13:45	14:00			Imam Maulana Yosa [ABS-85] Spatial Analysis of Meteorological Drought in Southeast Asia and Australia Region
14:00	14:15			Willy Cahyadhiputra Gunawan [ABS-73] Spatial Modeling of High Flood Risk Region in the Cikapundung River Basin using HEC-RAS 2D Model: Enhancing Regional Mitigation Planning
14:15	14:30			
		Ricky Jaya Kusuma [ABS-79] Landslide Susceptibility Assessment using Analytical Hierarchy Process in West Java		
14:30	14:45	Coffee Break		

14:45	15:00	Parallel Session: Interdisciplinary Earth Science and Technology	Invited Speaker: Dr. Astyka Pamumpuni, S.T, M.T.	Moderator: Dr.Tech. Nabila Sofia Eryan Putri S.T., M.T.
15:00	15:15		Muhammad Saddam Maladi [ABS-1] Analysis of Variables Affecting Land Value in Earthquake- Prone Areas, Lembang Fault Zone (Case Study: Bandung City, West Java Province)	
15:15	15:30		Kurnia Sandi Mahardhika [ABS-3] Engineering Geological Study to Determine Excavation Methods and Support Systems in Alternative Planning 1	
15:30	15:45		Rizqi Abdulharis [ABS-5] Assessment of Implementation of Customary Land Administration Principles and Its Benefits for Land Administration in Indonesia	
16:00	16:30	Closing Ceremony		

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Rundown Schedule (GMT+7)

DAY 2 [Venue 2: CRCS Conference Hall A]

Time		Rundown		
11:45	13:00	Lunch Break		
13:00	13:15	Parallel Session: Interdisciplinary Earth Science and Technology	Invited Speaker: Dr. techn. Dudy Darmawan Wijaya, S.T, M.Sc.	Moderator: Saat Mubarrak, S.Si, M.Si., Ph.D
13:15	13:30		Invited Speaker: Dr. rer. pol. Rizqi Abdulharis, S.T, M.Sc.	
13:30	13:45		Gingin Sugriansyah [ABS-4] Groundwater Genesis Determination Using Stable Isotope Data and Hydrochemistry in the Bali Cultural Center and Surroundings	
13:45	14:00		Zuhda Nur Prabowo [ABS-72] The Ocean Energy Potential in the Area of Early-Retirement Assets Coal-Fired Power Plants Owned by PT PLN (Persero)	
14:00	14:15		Adristi Shafiya [ABS-81] Development of Global-Scale River Models CaMa-Flood in the Java Islands	
14:15	14:30		Bagus Endar B. Nurhandoko [ABS-83] Characterization of Filler Cement and Columnar Joint Rocks of Prehistoric Megalithic Site Gunung Padang West Java	
14:30	14:45		Coffee Break	
14:45	15:00	Parallel Session: Ocean Science	Invited Speaker: Dr Yudha Setiawan Djamil	Moderator: Faruq Khadami, S.Si, M.Si., Ph.D
15:00	15:15		Fahmi Arifin [ABS-77] Application of Thresholding Method using Sentinel-1 for Shoreline Stability Analysis around Bangkalan Coast	
15:15	15:30		Anita Sari [ABS-78] Identification of Metocean Parameters Affecting Coastal Flooding in Semarang City, Central Java, Indonesia	
15:30	15:45		Andi Egon [ABS-93] Increasing water turbidity impact on the rich biodiversity area of Berau Estuary and Kakaban-Derawan Islands	
15:45	16:00		Adin Adli Irfani [ABS-91] Coastal Inundation and Vulnerability Assessment in Bekasi and Karawang Regencies, North Coast of Java	

3rd International Seminar on Earth Sciences and Technology Rundown Schedule (GMT+7)

DAY 2 [Venue 3: CRCS Conference Hall B]

Time		Rundown		
11:45	13:00	Lunch Break		
13:00	13:15	Parallel Session: Atmospheric Science	Invited Speaker: Dr. Tri Wahyu Hadi, M.Sc.	Moderator: Dr. Yudha Setiawan Djamil (BRIN)
13:15	13:30		Friska Chania [ABS-65] Evaluation of The Climate Forecast System (CFS) Model in Predicting the Madden Julian Oscillation (MJO) During Boreal Winter	
13:30	13:45		Wirid Birastrri [ABS-80] Anomalies and Changes in Mass Meridional Circulation during a Positive Trend of Mass Term in the Atmospheric Angular Momentum Budget 1970-2020.	
13:45	14:00		Ahmad Fadlan [ABS-82] Preliminary Results from Micrometeorological Observation in Sub-Urban Area of Tangerang, Indonesia	
14:00	14:15		Gammamerdianti [ABS-56] Anomalously Wet Dry Seasons in Indonesia and Moisture Convergence Anomalies during The Cool Phase of Different ENSO Types	
14:15	14:30		Prasetyo Umar Firdianto [ABS-58] Variation of Asia-Australia Monsoon to Mesoscale Convective System on East Java	
14:30	14:45	Coffee Break		
14.45	15.00	Parallel Session: Interdisciplinary Earth Science and Technology	Supari [ABS-94] Premium Climate Services for Mining Company, How Good is It?	Moderator: Dr. Nurjanna Joko Trilaksono, S.Si., M.Si.
15.00	15:15		Sella Lestari Nurmaulia [ABS-84] Comparative Analysis of Technical and Legal Aspects of Obliterated Land: Case Study in Pekalongan City and Demak Regency	
15:15	15:30		Jesi Pebralia [ABS-86] Characterization of Sun Light Using a Low-Cost Sensor and Its Potential as Energy Resource of Light Bulb	
15:30	15:45		Dyah Ayu Retnowati [ABS-89] Potential Loss of Rice Production Due to Flooding on The North Coast of West Java, Indonesia	
15:45	16:00		Qonita Fathan Mubina [ABS-64] Identification of Urban Bias in Temperature Trends on Java Island 1963-2022	

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Rundown Schedule (GMT+7)

DAY 2 [Venue 5: CRCS DIKBANGDIK Meeting Room]

Time		Rundown		
11:45	13:00	Lunch Break		
13:00	13:15	Parallel Session: Interdisciplinary Earth Science and Technology	Invited Speaker: Dr. rer. nat. Wiwin Windupranata, S.T., M.Si.	Moderator: Sella Lestari Nurmaulia, M.T.
13:15	13:30		Heruningtyas Desi Purnamasari [ABS-32] The Paroxysmal Eruption of Ruang Volcano, Indonesia	
13:30	13:45		Riantini Virtriana [ABS-34] Analysis of Damage and Losses to Education and Health Facilities Caused by Tsunamis in Coastal Areas of North Sulawesi	
13:45	14:00		Putri Mutianingsih [ABS-38] Vulnerability of Java Southern Sea marine energy potential to climate change and climate variability	
14:00	14:15		Achmad Naufal Zayyan [ABS-68] Back Analysis of Cihanjuang Landslide Using Finite Element Analysis with Shear Strength Reduction Method	
14:15	14:30		Mudju Silfara Rifu Rinamu [ABS-71] Mapping topographic instability hazard potentials based on synthetic aperture radar (SAR) dual-orbit images at Mt. Merapi, Indonesia	
14:30	14:45	Coffee Break		
14.45	15.00	Parallel Session: Ocean Science	Aries Dwi Siswanto [ABS-66] Spatiotemporal Analysis of Shoreline Change around the Madura Strait, Bangkalan	Moderator: Dr.rer.nat. Rima Rachmayani, S.Si., M.Si.
15.00	15:15		Putri Farhaniah Zuldis [ABS-74] Oceanographic Observation of Two Inlet Lagoons, Study Case: Segara Anakan Lagoon	
15:15	15:30		Angelina Diva Vicario [ABS-75] The accuracy of turbidity by midi secchi disc and Hydrocolor application in Cirebon waters	
15:30	15:45		Niken Sitalaksmi Siagian [ABS-76] Intensity of Indonesian Throughflow during the Heinrich Stadial 1 Period in the Makassar Strait Using Planktonic Foraminifera Approach	