

21 September 2021

Local Western Indonesia Time (GMT+7)

ROOM-1 SRIKANDI (Invited Speaker: Prof. Ninong Komala)

Chairs: Yudha S. Djamil, Saipul Hamdi, Sayanta Ghosh

Total: 1 invited talk + 27 articles

Time	Authors	Title	ID (Video/Real Time)	Chairs
08:30 – 08:35	Moderator			Sayanta Ghosh
08:35 – 08:45	Saipul Hamdi, Sumaryati and Syahril Rizal	Decline of Surface Global Solar Radiation at Palembang City of Indonesia Correlated to Smoke Event in 2019	R1-001 (Video)	Sayanta Ghosh
08:45 – 08:55	Jamrud Aminuddin, Zaroh Irayani, Abdullah Nur Aziz, Laras Toersilowati and S oni Aulia Rahayu	Langley Plot and Lambert-Beer Law in Retrieving Solar Radiation at the Top of Atmosphere	R1-002 (Video)	Sayanta Ghosh
08:55 – 09:05	Didik Septian Pangestu, Rizal Suryana and Sofyan Basuki	Development of Solar Radiation Observation System Using RTL-SDR	R1-003 (Video)	Sayanta Ghosh
09:05 – 09:15	Discussion			

09:15 – 09:25	Nani Cholianawati	Diurnal Variation of Fine Particulate Matter in Indonesia Based on Reanalysis Data	R1-004 (Video)	Sayanta Ghosh
09:25 – 09:35	Waluyo Eko Cahyono, Prawira Yudha Kombara, Emmanuel Adetya and Wilin Julian Sari	Simulation and Evaluation of PM2.5 in the City of Palangkaraya Using the Model WRF-Chem	R1-005 (Real Time)	Sayanta Ghosh
09:35 – 09:45	Wiwiek Setyawati, Dyah Aries Tanti and Asri Indrawati	Air Quality in the Bandung Basin of Indonesia as Measured by Passive Sampler	R1-006 (Video)	Sayanta Ghosh
09:45 – 09:55	Dessy Gusnita	Effect of Meteorology Parameters on Air Pollutant Standard Index in Urban Area (Case Study in Jakarta)	R1-008 (Real Time)	Sayanta Ghosh
09:55 – 10:05	Discussion			Sayanta Ghosh
10:05 – 10:10	Moderator (conclusion)			Sayanta Ghosh
10:10 – 10:20	Break			
10:20 – 10:40	Ninong Komala (Invited Talk)	Atmospheric Environmental Research by Analyzing the Character of Indonesian Ozone Profile using AQUA_AIRS Data	(Video)	Saipul Hamdi
10:40 – 10:50	Sayanta Ghosh, Renu Lata, Isha	Estimating the Impact of Spatio-Temporal Land Cover Changes on Air Quality Using Satellite Data in	R1-007 (Video)	Saipul Hamdi

	Thakur and J. C. Kuniyal	Beas Valley, Himachal Pradesh, India		
10:50 – 11:00	Prawira Yudha Kombara and Ninong Komala	Ozone Variability at 10 hPa in Indonesia Based on MERRA2 Data	R1-009 (Real Time)	Saipul Hamdi
11:00 – 11:10	Asri Indrawati, Dyah Aries Tanti, Wiwiek Setyawati, Sumaryati Sumaryati, Indra Chandra and Atep Radiana	Characteristics of Acid Deposition in Urban and Sub-Urban Area	R1-010 (Video)	Saipul Hamdi
11:10 – 11:20	Discussion			
11:20 – 11:30	Jihan Putri Amelia, Zadrach Ledoufij Dupe and Indah Prasasti	Analysis and Verification of Fire Danger Rating System (FDRS) Parameters in Land and Forest Fire in West Kalimantan in 2019 and Its Relationship with Hotspots and Rainfall	R1-011 (Video)	Saipul Hamdi
11:30 – 11:40	Prawira Kombara, Waluyo Eko Cahyono, Wilin Julian Sari, Emmanuel Adetya and Rosida Rosida	Direct Effect of Aerosol Respect to Radiation Budget on Forest Fire Event in Sumatera Region	R1-012 (Real Time)	Saipul Hamdi
11:40 – 11:50	Sumaryati, Dita Fatria Andarini,	Smoke Propagation during Fire Season in Kalimantan and Sumatra in 2015 and 2019	R1-013 (Video)	Saipul Hamdi

	Nani Cholianawati and Asri Indrawati			
11:50 – 12:00	Discussion			Saipul Hamdi
12:00 – 12:05	Moderator (conclusion)			Saipul Hamdi
12:05 – 13:00	Break			
13:00 – 13:10	Prawira Yudha Kombara and Nani Cholianawati	Influence of Local Wind Respect to the PM2.5 Dispersion in Bandung Basin	R1-014 (Real Time)	Yudha S. Djamil
13:10 – 13:20	Wilin Julian Sari, Waluyo Eko Cahyono, Rahaden Bagas Hatmaja, Prawira Yudha Kombara and Emmanuel Adetya	Correlation Investigation between Aerosols Variability, Forest Fire and Meteorological Variables during Summer Monsoon in Riau Province, Indonesia	R1-015 (Real Time)	Yudha S. Djamil
13:20 – 13:30	Laras Toersilowati, Bambang Siswanto, Edy Maryadi, Indah Susanti, Mamat Suhermat, Adi Witono, Hidayatul Latifah, Sinta Berliana Sipayung, Amalia Nurlatifah,	The Projections of Urban Climate Change using Conformal Cubic Atmospheric Model (CCAM) in Bali - Indonesia	R1-016 (Video)	Yudha S. Djamil

	Jamrud Aminuddin and Fildzah Adany			
13:30 – 13:40	Discussion			
13:40 – 13:50	Indah Susanti, Sinta Berliana Sipayung, Edy Maryadi, Amalia Nurlatifah, Hidayatul Latifah, Bambang Siswanto, Adi Witono, Lilik Slamet S. and Martono	Climate Change and Drought: A Perspective on Rainfall and Water Deficits in Java and Bali	R1-017 (Real Time)	Yudha S. Djamil
13:50 – 14:00	Sinta Berliana Sipayung, Indah Susanti, Edy Maryadi, Amalia Nurlatifah, Hidayatul Latifah, Bambang Siswanto, Adi Witono, Laras Tursilowati, Mahmud Mahmud and Mamat Suhermat	The Impact of Climate Change to Meteorological Drought in Yogyakarta	R1-018 (Real Time)	Yudha S. Djamil
14:00 – 14:10	Yudha Djamil, Tri Hadi, Wirid	Outstanding Issues in the Future Climate Projection over Indonesia	R1-019 (Video)	Yudha S. Djamil

	Birastri and Xianfeng Wang			
14:10 – 14:20	Feri Nugroho, Ayub Sugara and Ayi Priana	The Effect of Land Change on Urban Heat Island: Case Study of Bekasi Regency	R1-020 (Video)	Yudha S. Djamil
14:20 – 14:30	Discussion			Yudha S. Djamil
14:30 – 14:35	Moderator (conclusion)			Yudha S. Djamil
14:35 – 14:45	Break			
14:45 – 14:55	Atep Radiana, Saipul Hamdi, Arif Aditya, Fahmi Rahmatia and Syafrijhon	Characteristic of Precipitable water Vapour in 2017-2019 over Bandung Estimated by GPS data	R1-021 (Video)	Saipul Hamdi
14:55 – 15:05	Fandy Balbo, Rusmawan Suwarman and Arika Indri Dyah Utami	Chemical Characteristics of Rainwater in Bandung and Kototabang	R1-022 (Video)	Saipul Hamdi
15:05 – 15:15	Hendri Satria, Dewi Tamara Qothrunada, Gregorius Budhi Dharmawan and Ceppy Multi Anggara	Comparison of PM10 Parameters Pre and Post Social Restrictions during the Covid-19 Pandemic in Serpong	R1-023	Saipul Hamdi
15:15 – 15:25	Discussion			

15:25 – 15:35	Putri Nilam Sari, Nofriya and Alberth Christian Nahas	Investigation of Air Pollution during the COVID-19 Pandemic in Padang City: Correlation of Specific Pollutants with Daily Case and the Effect of Social Restrictions	R1-024 (Video)	Saipul Hamdi
15:35 – 15:45	Isha Thakur, Renu Lata, Sayanta Ghosh and J. C. Kuniyal	Impact of Tourism and Anthropogenic Activities on Air quality: A Brief Study during Lockdown in 2 nd Wave of COVID 19 Pandemic in Kullu Valley of North Western Himalayas	R1-025 (Video)	Saipul Hamdi
15:45 – 15:55	Yuliana	The Global Atmospheric Condition during the COVID-19 Pandemic	R1-026 (Video)	Saipul Hamdi
15:55 – 16:05	Lesi Mareta, Alfiah Rizky Diana Putri and Ridlo Wahyudi Wibowo	Correlation of Forest and Land Fires in Sumatra to Natural and Anthropogenic Forcing using CMIP5 Data	R1-027	Saipul Hamdi
16:05 – 16:15	Discussion			Saipul Hamdi
16:15 – 16:20	Moderator (conclusion)			Saipul Hamdi

21 September 2021

Local Western Indonesia Time (GMT+7)

ROOM-2 SADEWA (Invited Speaker: Dr. Marzuki)

Chairs: Wendi Harjupa, Noersomadi, Ulung Jantama Wisna

Total: 1 invited talk + 26 articles

Time	Authors	Title	ID (Video/Real Time)	Chairs
08:30 – 08:35	Moderator			Noersomadi
08:35 – 08:45	Arifatus Hikmah Rusmanansari, Rusmawan Suwarman, Yudha Setiawan Djamil and Yan Firdaus	GSMAP Seasonal Rainfall Verification over Western Java	R2-001 (Real Time)	Noersomadi
08:45 – 08:55	Ravidho Ramadhan, Robi Muharsyah, Marzuki, Helmi Yusnaini, Mutya Vonnisa and Hiroyuki Hashiguchi	Evaluation of GPM IMERG Products for Extreme Precipitation over Indonesia	R2-002 (Video)	Noersomadi
08:55 – 09:05	Ali Rahmat and Fajar Setiawan	Estimating Rainfall data using Tropical Rainfall Measuring Mission (TRMM) Data: Study case in Pesawaran Meteorology and Geophysics Agency	R2-003 (Real Time)	Noersomadi
09:05 – 09:15	Discussion			Noersomadi
09:15 – 09:25	Helmi Yusnaini, Marzuki, Harmadi and Mutya Vonnisa	Intraseasonal Change of the Diurnal Cycle of	R2-004 (Video)	Noersomadi

		Precipitation Over Sumatra from IMERG Observation		
09:25 – 09:35	Ayu Putri Ningsih, Robi Muharsyah, Marzuki, Helmi Yusnaini, Mutya Vonnisa and Ravidho Ramadhan	Evaluation of GPM IMERG Rainfall Products over Indonesia at Multiple Spatiotemporal Scales	R2-005 (Video)	Noersomadi
09:35 – 09:45	Rana Hapsari, Arno Kuntoro, Widyaningtias, Edi Riawan, Mohammad Farid and Mohammad Adityawan	Correcting Bias GPM IMERG Precipitation over Brantas Watershed, Indonesia	R2-006 (Video)	Noersomadi
09:45 – 09:55	Aldiatama Jumanissaba, Sandro W. Lubis and Sonni Setiawan	Impacts of the QBO on MJO-Related Rainfall over Maritime Continent	R2-007 (Video)	Noersomadi
09:55 – 10:05	Discussion			Noersomadi
10:05 – 10:10	Moderator (conclusion)			Noersomadi
10:10 – 10:20	Break			
10:20 – 10:40	Marzuki (Invited Talk) co-authors: Helmi Yusnaini, Fredolin Tangang, Robi Muharsyah and Mutya Vonnisa	Mechanisms of Diurnal Precipitation over Sumatra: Measurement and Climate Model Perspectives		Ulung J. Wisha
10:40 – 10:50	Wendi Harjupa, Trismidianto, Risyanto, Elfira Saufina, Fadli Nauval, Dita Fatria Andarini, Teguh Harjana, Marzuki and Eddy Hermawan	Impact of MJO on the Distribution of Extreme Rainfall over Indonesia During IOD and ENSO Condition	R2-008 (Video)	Ulung J. Wisha

10:50 – 11:00	Fadhil Rizki Muhammad, Sandro Wellyanto Lubis and Sonni Setiawan	The Influence of Boreal Summer Madden-Julian Oscillation on Precipitation Extremes in Indonesia	R2-009 (Real Time)	Ulung J. Wisha
11:00 – 11:10	Muhamad Reyhan Respati, Sandro W. Lubis and Sonni Setiawan	Convectively Coupled Equatorial Waves Triggering Torrential Rainfall Events over Sumatra, Indonesia	R2-010 (Video)	Ulung J. Wisha
11:10 – 11:20	Discussion			
11:20 – 11:30	Noersomadi	The Madden-Julian Oscillation Forcing on the Diurnal Variation of Turbulence Kinetic Energy in the Tropical Tropopause Layer Observed with Equatorial Atmosphere Radar	R2-011 (Real Time)	Ulung J. Wisha
11:30 – 11:40	Diah A. Tiyas, Sandro W. Lubis and Sonni Setiawan	Kelvin Wave Activity in the UTLS over the Maritime Continent from GPS RO Measurements	R2-012 (Video)	Ulung J. Wisha
11:40 – 11:50	Aldi Krismon, Muhammad Rais Abdillah and Nurjanna Joko Trilaksono	Changes in Diurnal Cycle of Rainfall over the Western Maritime Continent Associated with Cold Surge and the Madden-Julian Oscillation	R2-013 (Video)	Ulung J. Wisha
11:50 – 12:00	Discussion			Ulung J. Wisha

12:00 – 12:05	Moderator (conclusion)			Ulung J. Wishu
12:05 – 13:00	Break			
13:00 – 13:10	Suaydhi	On the Mechanism of Anomalously Wet and Cold Weather over Java in the Month of June	R2-014 (Real Time)	Wendi Harjupa
13:10 – 13:20	Edi Rikardo Sinaga, Rusmawan Suwarman, Edi Riawan, Yogi S.M Simanjuntak and Yudha S. Djamil	Impact of La Niña to the River Discharge Variability in the Upper Citarum Watershed	R2-015	Wendi Harjupa
13:20 – 13:30	Rahaden Bagas Hatmaja, Wilin Julian Sari, Fildzah Adany and Prawira Yudha Kombara	Atmospheric Methane Variability during Upwelling Events in the Southern Coast of Java, Indonesia	R2-016 (Video)	Wendi Harjupa
13:30 – 13:40	Discussion			Wendi Harjupa
13:40 – 13:50	Yusuf Jati Wijaya, Ulung Jantama Wishu and Yukiharu Hisaki	Mindanao Current, Its Variations and Reaction to the El Niño-Southern Oscillation (ENSO) Event	R2-017 (Video)	Wendi Harjupa
13:50 – 14:00	Sigit Kurniawan Jati Wicaksana and Iis Sofiati	Comparative Analysis of Upwelling Characteristics in Northeast and Southwest of Indonesian Seas Area	R2-018 (Video)	Wendi Harjupa
14:00 – 14:10	Rahaden Bagas Hatmaja, Christine Cecylia Munthe, Erma Yulihastin and Kadiman Erfitra Pramudia	Atmospheric Response to the Southern Java Upwelling Variability Associated with Indian Ocean Dipole Event	R2-019 (Video)	Wendi Harjupa

14:10 – 14:20	Giant Amor, Muhammad Hanif, Rizki Atthoriq Hidayat, Arie Yulfa, and Poppy Indrayani	Vulnerability of the Bengkalis Coastal Areas to Exposure to Rob Flood and Its Impact Based on Spatial Modeling	R2-020 (Video)	Wendi Harjupa
14:20 – 14:30	Discussion			Wendi Harjupa
14:30 – 14:35	Moderator (conclusion)			Wendi Harjupa
14:35 – 14:45	Break			
14:45 – 14:55	Ulung Jantama Wisha, Yusuf Jati Wijaya and Yukiharu Hisaki	Modeling the Generation of Tidal Bore at the Estuary of Rokan River, Indonesia	R2-021 (Video)	Wendi Harjupa
14:55 – 15:05	Syarifatul Ulfah, Marzuki and Adi Susilo	Analysis Vulnerability Disaster of Landslide in Lantan Village North Batukliang District Central Lombok Regency Using Geoelectric Data and Sentinel Image Data	R2-022 (Video)	Wendi Harjupa
15:05 – 15:15	Ranie Dwi Anugrah and Stevani Anggina	Tsunami Disaster Risk for Coastal Area in Cilacap City, Indonesia	R2-023 (Video)	Wendi Harjupa
15:15 – 15:25	Discussion			Wendi Harjupa
15:25 – 15:35	Muhammad Ridho Syahputra, Faiz R. Fajary, Muhammad Rais Abdillah, Edi Riawan, Rusmawan Suwarman and Hengki Eko Putra	Quantifying Rainfall Uncertainties from TRMM Satellite estimation over Ciliwung Basin	R2-024	Wendi Harjupa

15:35 – 15:45	Wildan Novrizal, Faiz R. Fajary and Nurjanna Joko Trilaksono	Atmospheric El Niño Precursors over the Maritime Continent	R2-025	Wendi Harjupa
15:45 – 15:55	Beben Graha Putra, Arie Yulfa and Siti Khofifah	Identification of Shoreline Changes in Padang City from 2000-2020 Using Modified Normalized Difference Water Index Method and Use of Digital Shoreline Analysis System	R2-026	Wendi Harjupa
15:55 – 16:05	Discussion			Wendi Harjupa
16:05 – 16:10	Moderator (conclusion)			Wendi Harjupa

21 September 2021

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ROOM-3 SANTANU (Invited Speaker: Dr. Acep Purqon)

Chairs: Jezzel Rabe, Kharisma Aprilina, Arif Wicaksono

Total: 1 invited talk + 24 articles

Time	Authors	Title	ID (Video/Real Time)	Chairs
08:30 – 08:35	Moderator			Jezzel Rabe
08:35 – 08:45	Budi Harsanto	The Intersection of Environmental Science and Social Science in the Sustainability Innovation	R3-001 (Real Time)	Jezzel Rabe
08:45 – 08:55	Nurul Amri Komarudin, Hariyadi and Tania June	Implementation of Environmental Policy on Oil Palm Plantations Related to ISPO in Eastern Part of South Sumatra Province	R3-002	Jezzel Rabe
08:55 – 09:05	Bangun I.R. Harsritanto, Dany Perwita Sari and Jeanny Laurens Pinassang	Microclimate and Its Impact on Hotel Building Energy Saving Performance in the Tropical Coastal City	R3-003 (Video)	Jezzel Rabe
09:05 – 09:15	Discussion			Jezzel Rabe
09:15 – 09:25	Erti Nurfindarti and Nugrahana Fitria Ruhjana	Determination of Stunting Priority Locations and Regional-	R3-004 (Video)	Jezzel Rabe

		Based Stunting Management Strategies in Serang City		
09:25 – 09:35	Dahyunir Dahlan, Muhammad Frassetia Lubis and Dwi Puryanti	Electrodeposition of Cu Layer with Mangrove Bark Extract Additive as an Inhibitor for the Application of Anti-Corrosion Coating	R3-005 (Video)	Jezzel Rabe
09:35 – 09:45	Fahriya Puspita Sari, Fitria Fitria, Sita Heris Anita, Maulida Oktaviani and Widya Fatriasari	Sugar Production of Autoclave-Pretreated Oil Palm Empty Fruit Bunches (<i>Elaeis guineensis</i> Jacq.) by Different Acids	R3-006 (Video)	Jezzel Rabe
09:45 – 09:55	Kharisma Aprilina, Ardhasena Sopaheluwakan, Armi Susandi, Hastuadi Harsa, Utoyo Ajie Linarka and Rian Anggraeni	The Relationship between Climate Variables and Rice Productivity from the Aquacrop Simulation in the Clustering Area from the Results of the K-Means Method in Java Island, Indonesia	R3-007	Jezzel Rabe
09:55 – 10:05	Discussion			Jezzel Rabe
10:05 – 10:10	Moderator (conclusion)			Jezzel Rabe
10:10 – 10:20	Break			
10:20 – 10:40	Acep Purqon (Invited Talk)	Precision Heat Monitoring in Agriculture using Fuzzy Logic Model		Arif Wicaksono

10:40 – 10:50	Siska Rasiska, Pampang Parikesit and Iwan Setiawan	The Impact of Climate Change on Effectivity of Biocontrol in The Arabica Coffee Landscape	R3-008 (Video)	Arif Wicaksono
10:50 – 11:00	Muhammad Hanif, Rizki Atthoriq Hidayat, Giant Amor and Luhur Moekti Prayogo	Zone of Biodiversity Extinction in Tropical Marine Ecosystems in Sumatra Island Using Climate Change Scenarios	R3-009 (Video)	Arif Wicaksono
11:00 – 11:10	Desy Sulistiyorini	Biomonitoring of Polycyclic Aromatic Hydrocarbons in the Ambient Air Using Plants: A Review	R3-010 (Video)	Arif Wicaksono
11:10 – 11:20	Discussion			Arif Wicaksono
11:20 – 11:30	Hikmahwati, Muhammad Rifqy Aulia, Harli A Karim, Nur Ilmi and Agus Riandi	Description of Macroscopic and Microscopic Alternaria porri on Shallots (<i>Alium ascolonicum</i> L) in Enrekang Regency	R3-011 (Video)	Arif Wicaksono
11:30 – 11:40	Nourma Al Viandari, Anicentus Wihardjaka, Heru Bagus Pulunggono and Suwardi	Increasing Rice Yield by Soil Tillage System and Water Management	R3-012 (Real Time)	Arif Wicaksono
11:40 – 11:50	Wisnu Arya Gemilang, Ulung Jantama Wisha and Hendra Bakti	Water Quality Assessment for Submarine Groundwater Discharge (SGD) Pollution in the Coastal Area of Krakas Beach, North Lombok, Indonesia	R3-013 (Video)	Arif Wicaksono
11:50 – 12:00	Discussion			Arif Wicaksono
12:00 – 12:05	Moderator (conclusion)			Arif Wicaksono

12:05 – 13:00	Break			
13:00 – 13:10	Nunung Nugroho	Spatial Distribution of Nutrient Export from the Catchment Area of Lake Rawapening	R3-014 (Real Time)	Kharisma Aprilina
13:10 – 13:20	Muhamad Iqbal, Aldo Novaznursyah Costrada and Harmadi	Prototype of Flood Monitoring System Based on River Turbidity Using Optical Fiber Sensor and Raspberry Pi 3 B+	R3-015 (Video)	Kharisma Aprilina
13:20 – 13:30	Arif Wicaksono	Public Urban Park Quality Assessment using Fuzzy C Means Classification of Land Surface Temperature and Social Indicators	R3-016 (Video)	Kharisma Aprilina
13:30 – 13:40	Discussion			
13:40 – 13:50	Riki Purnama Putra, Roprop Latiefatul Millah and Shidiq Andhika	ETA Concept Program for Reducing Green House Effect in Indonesia Industrial Scale with IoT Integrated	R3-017 (Video)	Kharisma Aprilina
13:50 – 14:00	Kirana Sasmitaloka, Mulyorini Rahayuningsih and Titi Sunarti	Utilization of Agroindustrial by Product for Bioinsecticide Production	R3-018 (Video)	Kharisma Aprilina
14:00 – 14:10	Andi Tenri Nurwahidah, Septiana Indratmoko, Nida Churin Aini and Akhmad Berryl Widyartha	Characterization of Novel Multi-Pulpose Oil Extracted from Asiatic Softshell Turtle and Its Palm Oil Alduteration Analysis Employing Fourier Transform Infrared (FTIR) Spectroscopy	R3-019 (Real Time)	Kharisma Aprilina

14:10 – 14:20	Jezzel Rabe, Katherine Caga-Anan, Fretchie Nebre, Rhona May Gerondio and Karyn Chrislene Vitor	Moringa Oleifera as a Feed Ingredient in Broiler Diets	R3-020 (Video)	Kharisma Aprilina
14:20 – 14:30	Discussion			Kharisma Aprilina
14:30 – 14:35	Moderator (conclusion)			Kharisma Aprilina
14:35 – 14:45	Break			
14:45 – 14:55	Dewi Syahidah, Jennifer Elliman and Leigh Owens	PCR Column Contamination Gave False Positive Result for Cherax Quadricarinatus Densovirus (CqDV) in Sf 9 Cell Cultures	R3-021 (video)	Arif Wicaksono
14:55 – 15:05	Enung Nurhotimah	Fighting COVID 19 Using Herbal Medicine According to Local Plant Diversity	R3-022	Arif Wicaksono
15:05 – 15:15	Discussion			
15:15 – 15:25	Desty Aulia Putrantri, Suskandini Ratih Dirmawati, Agus Karyanto, Darwin Pangaribuan and Ainin Niswati	Resistance Induction of Sweet Corn to Helminthosporium turcicum Using Biochar Application	R3-023	Arif Wicaksono
15:25 – 15:35	Agusriandi and Hikmahwati	The Sustainable Digital-Farming Framework Using an Interdisciplinary Approach	R3-024	Arif Wicaksono

15:35 – 15:45	Discussion			Arif Wicaksono
15:45 – 15:50	Moderator (conclusion)			Arif Wicaksono

21 September 2021
Local Western Indonesia Time (GMT+7)
ROOM-4 SRIRAMA (Invited Speaker: Prof. Manabu D. Yamanaka)

Chairs: Wojciech Szkolka, Mariko Ogawa, Eddy Hermawan

Total: 1 invited talk + 26 articles

Time	Authors	Title	ID (Video/Real Time)	Chairs
08:30 – 08:35	Moderator			Wojciech Szkolka
08:35 – 08:45	Eddy Hermawan, Tyo Maulana and Rahmat Gernowo	Effects of El-Nino and La-Nina on the Velocity Potential at 200 hPa over Maritime Continent	R4-001 (Real Time)	Wojciech Szkolka
08:45 – 08:55	Fadli Nauval, Elfira Saufina, Dita Fatria Andarini, Risyanto Risyanto, Trismidianto Trismidianto, Wendi Harjupa, Teguh Harjana, Marzuki Marzuki and Eddy Hermawan	Analysis of Prediction of the Occurrence of Rainfall Events Associated to ENSO Phenomenon Using Simple Logistic Model over Eastern Indonesia	R4-002 (Real Time)	Wojciech Szkolka
08:55 – 09:05	Fahmi Rahmatia, Listi Restu Triani and Amalia Nurlatifah	The Response of Rainfall in Sumatera to Indian Ocean Dipole Phenomenon	R4-003 (Video)	Wojciech Szkolka
09:05 – 09:15	Discussion			

09:15 – 09:25	Teguh Harjana, Anis Purwaningsih, Trismidianto, Wendi Harjupa, Fadli Nauval, Dita Fatria Andarini, Elfira Saufina, Arief Suryantoro and Eddy Hermawan	The Relation Between ENSO and IOD with the Rainfall Events over Indonesian Maritime Continent Based on TRMM Precipitation Data	R4-004 (Video)	Wojciech Szkolka
09:25 – 09:35	Bony Septian Pandjaitan	Investigation of Atmospheric Reanalysis Convective Parameters and Overshooting Cloud Top in Hail Events Over Java Island	R4-005 (Video)	Wojciech Szkolka
09:35 – 09:45	Nadine Ayasha	The Impact of Vertical Velocity Parameter Conditions and Its Relationship with Another Weather Parameters in the Hail Event	R4-006 (Video)	Wojciech Szkolka
09:45 – 09:55	Hiromitsu Ikeda, Shoichi Shige, Kazumasa Aonashi, Hitoshi Hirose, Atsushi Hamada, Nurjanna Joko Trilaksono, Rahma Yanti, Dinda Shabrina Medyani and Prawira Yudha Kombara	Characteristics of Hail-Producing Convection in Bandung, Indonesia as Derived from Himawari-8 High Resolution Data	R4-007	Wojciech Szkolka
09:55 – 10:05	Discussion			Wojciech Szkolka

10:05 – 10:10	Moderator (conclusion)			Wojciech Szkolka
10:10 – 10:20	Break			
10:20 – 10:40	Manabu D. Yamanaka (Invited Talk)	EAR Construction Motivation Revisited: Indonesian Coastline Representing Earth		Eddy Hermawan
10:40 – 10:50	Syukri Darmawan, Edy Maryadi, Annida Rahmawati, Asif Awaludin, Tiin Sinatra and Fadli Nauval	Rainfall Nowcasting with Rain Scanner Images in Bandung	R4-008 (Video)	Eddy Hermawan
10:50 – 11:00	Immanuel Jhonson Arizona Saragih, Wiliam Wiliam and Imma Redha Nugraheni	Examining the Characteristics and Dynamics of Quasi-Linear Convective System (QLCS) Using Weather Radar Data and Numerical Weather Model in North Sumatra Region	R4-009	Eddy Hermawan
11:00 – 11:10	Mariko Ogawa, Manabu Yamanaka, Awaluddin Awaluddin, Arief Darmawan, Albertus Sulaiman, Reni Sulistiyowati, I Dewa Gede Arya Putra and Osamu Kozan	Study on Diurnal Variation of Rainfall Observed by X-Band Polarimetric Radar in Peatlands over Bengkalis Island, Eastern Sumatra, Indonesia	R4-010 (Real Time)	Eddy Hermawan

11:10 – 11:20	Discussion			
11:20 – 11:30	Arlif Nabilatur Rosyidah, Nurjanna Joko Trilaksono and Noersomadi	Variation of the Wind Profiles in the Tropical Tropopause Layer Associated with QBO-MJO Connection	R4-011 (Video)	Eddy Hermawan
11:30 – 11:40	Laode Bangsawan, Retnadi H. Jatmiko and Emilya Nurjani	Determining Quantitative Precipitation Estimation (QPE) Through Comparison of the Z-R Relation Algorithms in Parts of East Java on Convective and Stratiform Rain	R4-012 (Video)	Eddy Hermawan
11:40 – 11:50	Wojciech Szkolka and Dariusz Baranowski	The Diurnal Evolution of Tropospheric Winds and Its Variability in Response to Large-Scale Phenomena - an Analysis Based on Equatorial Atmospheric Radar data	R4-013 (Video)	Eddy Hermawan
11:50 – 12:00	Discussion			Eddy Hermawan
12:00 – 12:05	Moderator (conclusion)			Eddy Hermawan
12:05 – 13:00	Break			
13:00 – 13:10	Ina Juaeni, Ridho Pratama, Wendi Harjupa, Elfira Saufina,	Evaluation of the Surface Wind Speed, Shear of Wind Speed, Shear of	R4-014 (Video)	Mariko Ogawa

	Dita Fatria Andarini and Ibnu Fathrio	Wind Direction and Richardson Number at Soekarno Hatta Airport Using Wyoming Radiosonde Data		
13:10 – 13:20	Ridho Pratama, Muhammad Fadhlan Putranto, Fahmi Rahmatia, Ina Juaeni, Risyanto, Wendi Harjupa and Marzuki	The Average Cloud Base Height in Kototabang 2016-2018 (Comparison between Ceilometer, Radiosonde and Himawari-8)	R4-015	Mariko Ogawa
13:20 – 13:30	Resa Pratikasari, Nurjanna J. Trilaksono and Noersomadi	Atmospheric Residual Layer Height Variations in Clear and Rainy Days Based on High-Resolution Radiosonde and Global Positioning System Radio Occultation Data	R4-016 (Video)	Mariko Ogawa
13:30 – 13:40	Discussion			
13:40 – 13:50	Dita Fatria Andarini, Fadli Nauval, Elfira Saufina, Risyanto Risyanto, Trismidianto Trismidianto, Wendi Harjupa, Teguh Harjana, Marzuki Marzuki and Eddy Hermawan	The Influence of Borneo Vortex on Rainfall Variability over Western Indonesian Maritime Continent	R4-017 (Real Time)	Mariko Ogawa
13:50 – 14:00	Luthfiyah Jannatunnisa and Trismidianto	Analysis of Multi-Scale Atmospheric Phenomena and Parameters	R4-018 (Video)	Mariko Ogawa

		Triggering Seroja Tropical Cyclone and Its Effect to Extreme Rainfall over Nusa Tenggara Timur		
14:00 – 14:10	Fauziah Fangia and Trismidianto	Evolution of Mesoscale Convective Complex and Its Atmospheric Conditions During Heavy Rain in Bandung, 22 February 2018	R4-019 (Video)	Mariko Ogawa
14:10 – 14:20	Ilham Fajar Putra Perdana and Niken Astrid Septyar	Trend Analysis of Precipitation and Temperature at Annual and Seasonal Time Scale over Semarang of Central Java	R4-020 (Video)	Mariko Ogawa
14:20 – 14:30	Discussion			Mariko Ogawa
14:30 – 14:35	Moderator (conclusion)			Mariko Ogawa
14:35 – 14:45	Break			
14:45 – 14:55	Dewi Tamara Qothrunada, Hendri Satria and Bowo Parkoso	Comparison of Atmospheric Dynamics Conditions, Rainfall and Rainy Days with Historical Data during Flood Events in North Buton on 18 and 22 June 2021	R4-021	Eddy Hermawan

14:55 – 15:05	Anis Purwaningsih	The Different Atmospheric Conditions Associated with Northerly Surge, Borneo Vortex and Madden-Julian Oscillation during the Extreme Rainfall Cases in Early 2021 over the Western Part of the Maritime Continent	R4-022	Eddy Hermawan
15:05 – 15:15	Ilham Fajar Perdana	Quasi-Linear Convective System (QLCS) Characteristics in Jakarta, West Java and Banten during 2018	R4-023	Eddy Hermawan
15:15 – 15:25	Aulia Azura, Wendi Harjupa, Muhammad Rais Abdillah and Muhammad Fadhlan Putranto	The Evaluation of Rapidly Developing Cumulus Area Model in Detecting Rain in Bandung Basin	R4-024 (Video)	Eddy Hermawan
15:25 – 15:35	Discussion			
15:35 – 15:45	Suaydhi and Gammamerdianti	Intraseasonal and Interannual Variability of Cumulonimbus Cloud over the Maritime Continent	R4-025 (Real Time)	Eddy Hermawan
15:45 – 15:55	Lutvi Andriani, Wendi Harjupa and Muhammad Rais Abdillah	Analysis of Changes in Convective Activities in the Event of Heavy Rain in Jakarta Using Himawari-8	R4-026 (Video)	Eddy Hermawan

		Data and the RDCA Index (Case Study: Flood in Early January 2020)		
15:55 – 16:05	Discussion			Eddy Hermawan
16:05 – 16:10	Moderator (conclusion)			Eddy Hermawan

21 September 2021

Local Western Indonesia Time (GMT+7)

ROOM-5 SEMAR (Invited Speaker: Prof. Toshiaki Umezawa)

Chairs: Yoshikatsu Ueda, Juliet Berdera, Subyakto

Total: 1 invited talk + 22 articles

Time	Authors	Title	ID (Video/Real Time)	Chairs
08:30 – 08:35	Moderator			
08:35 – 08:45	Yeyen Nurhamiyah, Firda Aulya Syamani, Wida Banar Kusumaningrum and Nanang Masruchin	Thermal Properties of Acetylated Starch-Chitosan Based Bioplastic Film	R5-001 (Video)	Juliet Berdera
08:45 – 08:55	Yoshikatsu Ueda, Naoto Nihei, Ratanaporn Norarat and Minoru Tanigaki	Correlation Between Radiation Measurement on The Field Slopes Using KURAMA (Kyoto University Radiation Mapping System) and Environmental Radioactivity in the Soil Depth Direction	R5-002 (Video)	Juliet Berdera
08:55 – 09:05	Akhmad Berryl Widyartha, Muhammad Nurdin, La Ode Ahmad Nur Ramadhan, Andi Tenri	Enhancing Visible Light Adsorption of TiO ₂ /Ti Photocatalyst by co-doping Cr and N Elements and Its Application in Tetracycline	R5-003 (Real Time)	Juliet Berdera

	Nurwahidah and Thamrin Azis	Photoelectrochemical Degradation		
09:05 – 09:15	Discussion			
09:15 – 09:25	Nurul Amri Komarudin, Ashemir B Velaco, Elsera Br Tarigan and Yahya Shafiyuddin Hilmi	A Systematic Review: Environmental Quality and Exposure to Ammonia Concentration from the Processing of Natural Rubber to Crumb Rubber	R5-004 (Video)	Juliet Berdera
09:25 – 09:35	Riska Surya Ningrum, Fadia Idzni Rodhibilah, Dewi Sondari, Sudarmanto Sudarmanto and Dwi Ajas Pramasari	Effect of Precipitation Time on the Physicochemical Properties of Modified Sago Starch	R5-005 (Video)	Juliet Berdera
09:35 – 09:45	Nur Indah Kartika Sani, Gusnidar, Frisa Irawan Ginting, Ahmad Yasir, Ahmad Fanani and Dian Fiantis	Evaluation of Land Suitability for Orange Plants (Citrus Sinensis L.) Post Eruption of Mount Sinabung, Karo District, North Sumatera	R5-006 (Real Time)	Juliet Berdera
09:45 – 09:55	Subyakto, Eko Widodo, Triyati, Naomi Damaria Lidya Andini Hutauruk, Rabiyah Al Adawiyah and Kenji Umemura	Properties of Moulding Products from Sorghum Bagasse Combined with Alang-Alang Leaves, Sengon Wood or Bamboo using Citric Acid-Sucrose	R5-007 (Video)	Juliet Berdera
09:55 – 10:05	Discussion			Juliet Berdera

10:05 – 10:10	Moderator (conclusion)			Juliet Berdera
10:10 – 10:20	Break			
10:20 – 10:40	Toshiaki Umezawa (Invited Talk)	Biomass utilization in tropical area for sustainable development		Yoshikatsu Ueda
10:40 – 10:50	Yuliati Indrayani, Sasa Sofyan Munawar and Jamaluddin Jamaluddin	Strategies for Improving the Quality of Sorghum Bagasse-Acacia Wood- Based Particleboard	R5-008	Yoshikatsu Ueda
10:50 – 11:00	Apri Heri Iswanto and Muhammad Adly Rahandi Lubis	Technological Properties of Formaldehyde Free Adhesives based on Oxidized Starch Mixed with Different Cross-linkers for Plywood	R5-009 (Video)	Yoshikatsu Ueda
11:00 – 11:10	Thesalonica Yohana, M. Zuvan Maulana Fahrezi, Riska Surya Ningrum, Dwi Ajias Pramasari, Riksfardini Annisa Ermawar, Dewi Sondari and Euis Hermiati	Preliminary Study on The Utilization of Sugarcane Trash and Corncob for Xylo- oligosaccharides and Xylose Production through Dilute Acid Hydrolysis	R5-010 (Video)	Yoshikatsu Ueda
11:10 – 11:20	Discussion			Yoshikatsu Ueda
11:20 – 11:30	Saftia Laila Rajmi, Gusnidar, Retno	The Geochemical Properties of Volcanic	R5-011 (Real Time)	Yoshikatsu Ueda

	Leodita Lubis, Frisa Irawan Ginting, Fakhrijal Rizki Hidayat, Aldi Nanda Armer, Hazi Zulhakim, Novika Yulanda, Ichsan Faisal Syukri and Dian Fiantis	Materials: After a Year Mt. Sinabung Eruption		
11:30 – 11:40	Sri Purwati, Djoko Sihono Gabriel and Kurnia Wiji Prasetyo	Feasibility Test of Using Disposable Baby Diaper Waste as Raw Material for Fiberboard	R5-012 (Video)	Yoshikatsu Ueda
11:40 – 11:50	Maulida Oktaviani, Fahriya Sari, Benjarat Bunterngsook, Euis Hermtati, Verawat Champreda and Takashi Watanabe	Influence of Different Pretreatment Methods and Yeast Strains on Xylitol Production from Sugarcane Trash Hemicellulose Hydrolysate	R5-013 (Video)	Yoshikatsu Ueda
11:50 – 12:00	Discussion			Yoshikatsu Ueda
12:00 – 12:50	Moderator (closing)			Yoshikatsu Ueda
12:05 – 13:00	Break			
13:00 – 13:10	Bramantyo Wikantyo, Setiawan Khoirul Himmi, Tomoya Imai, Toshimitsu Hata and Tsuyoshi Yoshimura	The Morphological Features of Sensilla on Non-Olfactory Organs in the Soldier Caste of Subterranean Termite Coptotermes spp.	R5-014 (Real Time)	Subyakto

13:10 – 13:20	Jeaneth Molano and Karyn Chrislene Vitor	Land Snail Species from Rice Paddies in Tagum City (Philippines)	R5-015 (Video)	Subyakto
13:20 – 13:30	Juliet Berdera, Jean Amor Jamero, Reyna Jane Gontinas, John Gary Tejano and Karyn Chrislene Vitor	Intertidal Arthropods of Pantukan, Davao de Oro, Philippines	R5-016 (Video)	Subyakto
13:30 – 13:40	Discussion			Subyakto
13:40 – 13:50	Rattanaorn Norarat, Wichet Thipprasert, Vishnu Thonglek and Nantinee Srijumpa	Effects of Air-fine Bubbles Water on Cultivated Shiitake Mushroom in Thailand	R5-017 (Real Time)	Subyakto
13:50 – 14:00	Fitrah Amelia, Ramses and Ismarti	Reduction of Copper and Lead Metal Content in Gonggong Snails Using Lime	R5-018	Subyakto
14:00 – 14:10	Ikhsan Nazar Arrahman	Environmental Impact Analysis through Heavy Metals Contained Sago Starch	R5-019	Subyakto
14:10 – 14:20	Retno Leodita Lubis, Juniarti, Saftia Laila Rajmi, Aldi Nanda Armer, Novika Yulanda, Fakhrijal Rizki Hidayat, Hazi Zulhakim, Ichsan Faishal Syukri, Frisa	Assessment of the Geochemical Weathering Indices of Volcanic Soil After the Eruption from Mount Sinabung in 2020	R5-020 (Real Time)	Subyakto

	Irawan Ginting and Dian Fiantis			
14:20 – 14:30	Discussion			Subyakto
14:30 – 14:35	Moderator			Subyakto
14:35 – 14:45	Break			
14:45 – 14:55	Fenita Purnama Sari Indah	Effect of Community-Based Total Sanitation Program with Diarrhea Incidents in Children Under Five	R5-021	Yoshikatsu Ueda
14:55 – 15:05	Bayu Nugraha and Nadhilah Humairah Salwa Salsabil	Mass Wasting Affected Area Mapping Based on Relative Difference of Normalized Difference Vegetation Index Using Google Earth Engine in Nusa Tenggara Timur (Case Study: Tropical Cyclone Seroja, 3 April 2021)	R5-022	Yoshikatsu Ueda
15:05 – 15:15	Discussion			Yoshikatsu Ueda
15:15 – 15:20	Moderator (conclusion)			Yoshikatsu Ueda

21 September 2021

Local Western Indonesia Time (GMT+7)

ROOM-7 GATOTKACA (Invited Speaker: Peberlin Sitompul, Ph.D)

Chairs: Aisya Nafiisyanti, Hubert Luce, Farid Lasmono

Total: 1 invited talk + 24 articles

Time	Authors	Title	ID (Video/Real Time)	Chairs
08:30 – 08:35	Moderator			Aisya Nafiisyanti
08:35 – 08:45	Rachmat Sunarya, Asif Awaludin and Wendi Harjupa	A Software Improvement Method for Radiosonde Platinum Sensor	R7-001 (Video)	Aisya Nafiisyanti
08:45 – 08:55	Soni Aulia Rahayu, Rachmat Sunarya, Edy Maryadi, Listi Restu Triani, Christine Cecylia Munthe	Performance Analysis of Platinum Wire Temperature Sensor for Radiosonde	R7-002 (Video)	Aisya Nafiisyanti
08:55 – 09:05	Jesi Pebralia and Iful Amri	A Low-Cost and Practical Method for Determining Raindrop Size from Spray Nozzle by Using a Mobile Phone Camera	R7-003 (Video)	Aisya Nafiisyanti
09:05 – 09:15	Discussion			Aisya Nafiisyanti
09:15 – 09:25	Ryo Yabuki, Hiroyuki Hashiguchi, Issei Terada and Mamoru Yamamoto	Study on Adaptive Clutter Rejection System Using External Receiving	R7-004 (Real Time)	Aisya Nafiisyanti

		Antennas for the MU Radar		
09:25 – 09:35	Hubert Luce, Hiroyuki Hashiguchi, Lakshmi Kantha, Abhiram Doddi, Dale Lawrence and Masanori Yabuki	Revising the Models Used to Estimate TKE Dissipation Rates from UHF and VHF Radar Measurements	R7-005 (Video)	Aisya Nafiisyanti
09:35 – 09:45	Ryosuke Tamura, Koji Nishimura and Hiroyuki Hashiguchi	The Inversion Algorithm of Atmospheric Radar Signal Given by a 3-Dimensional Volume Scattering Semi-Physical Simulation	R7-006 (Video)	Aisya Nafiisyanti
09:45 – 09:55	Farid Lasmono, Risyanto, Fadli Nauval, Elfira Saufina, Teguh Harjana dan Trismidianto	Satellite Rainfall Estimation from Himawari-8 Multi Channels Observation Based on AWS Data Trained Machine Learning Methods	R7-007 (Real Time)	Aisya Nafiisyanti
09:55 – 10:05	Discussion			Aisya Nafiisyanti
10:05 – 10:10	Moderator (conclusion)			Aisya Nafiisyanti
10:10 – 10:20	Break			
10.20-10.40	Peberlin Sitompul (Invited Talk)	Indonesian Radio Telescope and Its Application in Radio Astronomy		Hubert Luce

10:40 – 10:50	Bunga Aprilia, Marzuki Marzuki, Imam Taufiq and Findy Renggono	Classification of Precipitation Types from Micro Rain Radar Observation using Artificial Neural Network	R7-010 (Video)	Hubert Luce
10:50 – 11:00	Alya Syifa Ihsani, Anggunmekha Luhur Prasasti and Wendi Harjupa	Rain Prediction Using Convolutional Neural Network (CNN) Method Based on Digital Image	R7-011 (Video)	Hubert Luce
11:00 – 11:10	Inggrid Wahyu Kinanti, Ade Romadhony, Indra Chandra and Azrina Abd Aziz	Artificial Neural Network Based Prediction of PM2.5 Mass Concentration in Bandung Metropolitan	R7-012 (Video)	Hubert Luce
11:10 – 11:20	Discussion			Hubert Luce
11:20 – 11:30	Aisyah Nafisyanti	Interpolation Methods Evaluation on Arbitrary Straight Line Flight Weather Data	R7-013 (Video)	Hubert Luce
11:30 – 11:40	Immanuel Jhonson Arizona Saragih	Comparison of Rainfall Prediction on WRF-3DVAR Model Satellite Data Assimilation Using Cold- and Warm Start Mode in North Sumatra region	R7-014	Hubert Luce
11:40 – 11:50	Haries Satyawardhana, Erma Yulihastin, Gammamerdianti, Candra Nur Ihsan and Eka Putri Wulandari	Analysis of Spatial Comparison between Predicted Rainfall Based	R7-016 (Video)	Hubert Luce

		on Dynamic Model and Satellite		
11:50 – 12:00	Discussion			Hubert Luce
12:00 – 12:05	Moderator (conclusion)			Hubert Luce
12:05 – 13:00	Break			
13:00 – 13:10	Joko Sampurno, Valentin Vallaes, Randy Ardianto and Emmanuel Hanert	Machine Learning Models for Predicting the Daily Maximum Water Level in a Tidal River: The Kapuas Kecil River Case Study	R7-009 (Real Time)	Farid Lasmono
13:10 – 13:20	Candra Nur Ihsan and Nova Agustina	Weather Prediction System Using Thomas-Fiering Model to Determine Initial Planting Recommendations in West Java Province	R7-017 (Video)	Farid Lasmono
13:20 – 13:30	Nining Jumianti, Marzuki, Wendi Harjupa, Risyanto and Muhammad Fadhlan Putranto	Prediction of Extreme Rainfall in Padang City Based on Clouds Brightness Temperature Difference from Himawari-8 Satellite Data	R7-018 (Real Time)	Farid Lasmono
13:30 – 13:40	Discussion			Farid Lasmono
13:40 – 13:50	Vira Friska, Deasy Arisa, Marzuki Marzuki and Fadilla Monica	Indo-Australian Plate Velocity Measurement During Interseismic Phase in 2011-2012 Using	R7-019 (Real Time)	Farid Lasmono

		Sumatran GPS Array (SuGAR) Data		
13:50 – 14:00	Fadilla Monica, Deasy Arisa, Marzuki and Vira Friska	Deformation Analysis During the Pre-, Co- and Post-Seismic Phase Associated with the 2019 Mw6.0 Mentawai Earthquake Using Satellite Geodetic Technology from Sumatran GPS Array (SuGAR) Data	R7-020 (Real Time)	Farid Lasmono
14:00 – 14:10	Sri Hamdiyessi, Fery Kurnia Sandi, Rihadatul Aisy Syofyani Nasution, Fadilla Monica, Deasy Arisa, Marzuki Marzuki and Elistia Liza Namigo	Determining the Deformation Trend from Geodetic Measurement of the Indian Ocean Intraslab Earthquakes: As Obtained from the Sumatran GPS Array (SuGAR) Data	R7-021 (Real Time)	Farid Lasmono
14:10 – 14:20	Muhammad Hanif and Lina Handayani	2D and 3D Subsurface Model of Baribis Fault zone in West Java	R7-022 (Real Time)	Farid Lasmono
14:20 – 14:30	Discussion			Farid Lasmono
14:30 – 14:35	Moderator (conclusion)			Farid Lasmono
14:35 – 14:45	Break			
14:45 – 14:55	Muhammad Hanif, Adrin Tohari and Dadan Dani Wardhana	Palu Koro Fault Zone Subsurface Model from Microtremor Method and	R7-023 (Real Time)	Hubert Luce

		Its Relation to Potential Hazard		
14:55 – 15:05	Galang P. Refindo, Nabilla F. Syafitri, Tsany N. A. Yenuar, Muhammad Hamidi, Deasy Arisa, Marzuki and Elistia L. Namigo	Utilizing the Global Positioning System (GPS) Data from Sumatran GPS Array (SuGAR) to Measure Seismic Deformation Related to The Mw7.6 Padang Earthquake 2009	R7-024 (Video)	Hubert Luce
15:05 – 15:15	Herizon Primadona, Ravidho Ramadhan, Reza Ananda Ramadhan, Vira Friska, Deasy Arisa, Marzuki Marzuki and Elistia Liza Namigo	Dynamics of West Coast of Sumatra and Island Arc Mentawai During the Coseismic Phase of the Mentawai Mw7.8 25 October 2010 Earthquake	R7-025 (Video)	Hubert Luce
15:15 – 15:25				
15:25 – 15:35	Andini Dwi Khairunnisa, Sachi Emelin Carissa and Tia Sella Isnaini	Flood Analysis in East Sumba Regency through Synthetic Aperture Radar Data with Geo-Artificial Intelligence (Geo AI) Applications Based on Cloud Computing	R7-026 (Video)	Hubert Luce
15:35 – 15:45	Discussion			Hubert Luce
15:45 – 15:50	Moderator (conclusion)			Hubert Luce

21 September 2021
Local Western Indonesia Time (GMT+7)
ROOM-6 JATAYU (Invited Speaker: Dr. Yasunobu Miyoshi)

Chairs: Yokoyama Tatsuhiro, Yuichi Otsuka, Prayitno Abadi

Total: 1 invited talk + 23 articles

Time	Authors	Title	ID (Video/Real Time)	Chairs
08:30 – 08:35	Moderator			Yokoyama Tatsuhiro
08:35 – 08:45	Agri Faturahman, Varuliantor Dear, Jiyo Harjosuwito, Afrizal Bahar, Asnawi Husin and Rezy Pradipta	Ionospheric Observation using Equatorial Atmosphere Radar (EAR) Kototabang for the 26 December 2019 Annular Solar Eclipse Research	R6-001 (Video)	Yokoyama Tatsuhiro
08:45 – 08:55	Muly Pretiy Mahayu, Ednofri and Alfiah Rizky Diana Putri	Study of the Characteristics of Ionospheric F layer above Kototabang during Flare Event on August 9, 2011	R6-002 (Video)	Yokoyama Tatsuhiro
08:55 – 09:05	Masuda Shuto, Yokoyama Tatsuhiro and Yamamoto Mamoru	Long-Term Analysis of Electron Density Observed by the MU Radar and Auto- Scaled Ionosonde Data	R6-003 (Video)	Yokoyama Tatsuhiro
09:05 – 09:15	Discussion			
09:15 – 09:25	Afrizal Bahar, Varuliantor Dear, Asnawi Husin, Jiyo	Exploring an Extension of Space Situational Awareness	R6-004 (Video)	Yokoyama Tatsuhiro

	Harjosuwito, Agri Faturahman and Rezy Pradipta	in Southeast Asian Region Utilizing EAR Observation data		
09:25 – 09:35	Yuichi Otsuka and Prayitno Abadi	Scintillation Drift Velocity Observed by Closely-Spaced GPS Receivers in Indonesia	R6-005 (Video)	Yokoyama Tatsuhiro
09:35 – 09:45	Anwar Santoso and Dyah Rahayu Martiningrum	Estimation of Geomagnetic Storm of Solar Cycle 24 Based on Solar Wind and Magnetic Field Parameters	R6-006 (Video)	Yokoyama Tatsuhiro
09:45 – 09:55	Prayitno Abadi, Gilland F. P. Achyar, Dyah R. Martiningrum, Reza R. Septiawan, Umar A. Ahmad and Septi Perwitasari and Punyawi Jamjareegulgarn	The Equatorial Spread-F Occurrence as Functions of Solar Activity, Geomagnetic Activity, and Evening Upward Plasma Drift Analyzed by Logistic Regression	R6-007 (Video)	Yokoyama Tatsuhiro
09:55 – 10:05	Discussion			Yokoyama Tatsuhiro
10:05 – 10:10	Moderator (conclusion)			Yokoyama Tatsuhiro
10:10 – 10:20	Break			
10:20 – 10:40	Yasunobu Miyoshi (Invited Talk)	Impacts of the 2019 Antarctic stratospheric sudden warming event on the equatorial thermosphere and ionosphere		Yuichi Otsuka

10:40 – 10:50	Nizam Ahmad	The Characteristic of Ionospheric Plasma around a Bias Spacecraft in Space	R6-008 (Real Time)	Yuichi Otsuka
10:50 – 11:00	Dyah Rahayu Martiningrum, Prayitno Abadi, Anwar Santoso and Mamoru Yamamoto	Morphological of E-F Region Field Aligned Irregularities in Low Latitude	R6-009 (Video)	Yuichi Otsuka
11:00 – 11:10	Ednofri	Impact Of Plasma Depletion on The Occurrence of Scintillation in the Minimum Years Phase of Solar Cycle 23	R6-010 (Video)	Yuichi Otsuka
11:10 – 11:20	Discussion			Yuichi Otsuka
11:20 – 11:30	Ni'Matus Sholikhah and Bambang Setiahad	Simulation of Solar Flare Mechanism Based on Ideal Magnetohydrodynamics State by Disrupting the Stability of Magnetic Field Due to the Plasma Momentum Injection	R6-011 (Video)	Yuichi Otsuka
11:30 – 11:40	Neflia	The Characteristics of Solar Flare and CMEs that Caused SPE during Solar Cycle 24	R6-012 (Video)	Yuichi Otsuka
11:40 – 11:50	Amatul Firdausya N. Cahyaningtyas, Siska Filawati and Silvi Oktavia Hanum	Flare Potentiality Associated to Different Sunspot Groups During Solar Cycle 24 Observed by LAPAN Pasuruan	R6-013 (Video)	Yuichi Otsuka
11:50 – 12:00	Discussion			Yuichi Otsuka

12:00 – 12:05	Moderator (Conclusion)			Yuichi Otsuka
12:05 – 13:00	Break			
13:00 – 13:10	Mario Batubara, Timbul Manik, Musthofa Lathif and Peberlin Sitompul	Optimization of Array System Configuration Using the Smoothed-Pad Algorithm	R6-014 (Video)	Prayitno Abadi
13:10 – 13:20	Tiar Dani, Rhorom Priyatikanto, Anton Winarko and Gerhana Puannandra Putri	Solar Wind Speed Time-Series Forecasting Based on Long Short-Term Memory (LSTM) Neural Network Model	R6-015 (Video)	Prayitno Abadi
13:20 – 13:30	Kazuo Shiokawa and Yuichi Otsuka	A Review of Observations of Equatorial Gravity Waves in the Mesosphere and Thermosphere Using an Airglow Imager at Kototabang, Indonesia	R6-016 (Video)	Prayitno Abadi
13:30 – 13:40	Discussion			Prayitno Abadi
13:40 – 13:50	Farahhati Mumtahana and Taufiq Hidayat	Continuum Study on Uranus at the Millimeter/submillimeter Wavelength with ALMA Data	R6-017 (Video)	Prayitno Abadi
13:50 – 14:00	Yoga Andrian, Ahmad Zulfiana Utama and Rizal Suryana	The Implementation of API Gateway Architecture on Space Weather Information System	R6-018	Prayitno Abadi
14:00 – 14:10	Intan Perwitasari and Stevani Anggina	Risk Management of Spaceport in Indonesia:	R6-019 (Real Time)	Prayitno Abadi

		Vulnerability Level of Spaceport Biak		
14:10 – 14:20	Karunika Diwyacitta, Andy Indradjad and Budhi Gustiandi	Automatic True Color Composites Generation Based on NOAA JPSS Satellites Data	R6-020 (Real Time)	Prayitno Abadi
14:20 – 14:30	Discussion			Prayitno Abadi
14:30 – 14:35	Moderator (conclusion)			Prayitno Abadi
14:35 – 14:45	Break			
14:45 – 14:55	Rizki Atthoriq Hidayat, Muhammad Hanif, Giant Amor and Hafizurrahman H	Utilization Of VIRRS Imagery in Analyzing Light Pollution as the Threat Towards Bird Performance in the Region of Medan, North Sumatra, Indonesia	R6-021	Yokoyama Tatsuhiro
14:55 – 15:05	I Putu Dedy Pratama, Ni Luh Desi Purnami, Pande Komang Gede Arta Negara and Putu Eka Tulistiawan	Spatial and Temporal Lightning Analysis in Bali	R6-022	Yokoyama Tatsuhiro
15:05 – 15:15	Alfiah Rizky Diana Putri, Robiatul Muztaba, Lesi Mareta, Mhd. Apri Arami, Muhammad Rizki Kurniawan, Adoni Theofilus, Jaka Pacitro, Fiqhy Alfath Faza Herzaditya and Hakim Luthfi Malasan	Sumatera, Indonesia: Development vs Dark Sky from Nightlight Perspective	R6-023 (Real Time)	Yokoyama Tatsuhiro

15:15 – 15:25	Discussion			Yokoyama Tatsuhiro
15:25 – 15:30	Moderator (conclusion)			Yokoyama Tatsuhiro