

KEYNOTE SPEAKER

NO	AUTHOR	TITLE
1	Shigeo Yoden	Dynamical influence of the stratosphere on the tropical troposphere
2	Jann-Yenq Liu	Equatorial ionospheric weather observed by FORMOSAT-3/COSMIC and FORMOSAT-7/COSMIC-2
3	Didi Satiadi	The past and future utilization of the equatorial atmosphere radar in atmospheric science and technology

INVITED SPEAKER

NO	AUTHORS	TITLE
1	Hiroyuki Hashiguchi	Observations of Turbulent Layer and Ozone Vertical Distribution in Tropical Tropopause Layer
2	Marzuki	Analysis Vulnerability Disaster of Landslide in Lantan Village North Batukliang District Central Lombok Regency Using Geoelectric Data And Sentinel Image Data
3	Ninong Komala	Atmospheric Environmental Research by Analyzing the Character of Indonesian Ozone Profile using AQUA_AIRS Data
4	Yasunobu Miyoshi	Impacts Of The 2019 Antarctic Stratospheric Sudden Warming Event on The Equatorial Thermosphere And Ionosphere.
5	Masatomo Fujiwara	Overview of the SPARC Reanalysis Intercomparison Project (S-RIP) during 2013-2021
6	Manabu D. Yamanaka	EAR Construction Motivation Revisited: Indonesian Coastline Representing Earth
7	Toshiaki Umezawa	Humanosphere science*
8	Acep Purqon	Precision Heat Monitoring in Agriculture using Fuzzy Logic Model
9	Sulaeman Yusuf	How climate change drives global termite distribution and invasiveness
10	Wahyudi Hasbi	Development of LAPAN's satellite*

LIST OF PARTICIPANTS

NO	AUTHORS	TITLE
1	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
2	Ulung Jantama Wisha, Yusuf Jati Wijaya and Yukiharu Hisaki	Modeling Tidal Bore Generation at the Estuary of Rokan River, Indonesia
3	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
4	Joko Sampurno, Valentin Vallaey, Randy Ardianto and Emmanuel Hanert	Machine Learning Models for Daily Maximum Water Level Prediction of Tidal-Riverine Water: A Case Study of Kapuas Kecil River in Borneo Island
5	Saipul Hamdi, Sumaryati and Syahril Rizal	Decline of surface global solar radiation at Palembang City of Indonesia correlated to smoke event in 2019
6	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
7	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
8	Yusuf Jati Wijaya, Ulung Jantama Wisha and Yukiharu Hisaki	Mindanao Current, its variations and reaction to the El Niño-Southern Oscillation (ENSO) event.
9	Deni Purnomo, Sasa Sofyan Munawar, Ismadi Ismadi and Bambang Subiyanto Subiyanto	Manufacture and Characterization of Sorghum Rod Composite Board with Variations in Density and Polyurethane Adhesive Content
10	Nizam Ahmad	The Characteristic of Ionospheric Plasma around a Bias Spacecraft in Space
11	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
12	Jezzel Rabe, Katherine Caga-Anan, Fretchie Nebre, Rhona May Gerondio and Karyn Chrislene Vitor	Moringa oleifera as a feed ingredient in broiler diets
13	Yuliati Indrayani, Sasa Sofyan Munawar and Jamaluddin Jamaluddin	Strategies for Improving the Quality of Sorghum Bagasse-Acacia Wood-Based Particleboard
14	Atep Radiana, Saipul Hamdi, Arif Aditya, Fahmi Rahmatia and Syafrijhon Syafrijhon	Characteristic of Precipitable water vapour in 2017-2019 over Bandung estimated by GPS data

15	Indah Susanti, Sinta Berliana Sipayung, Edy Maryadi, Amalia Nurlatifah, Hidayatul Latifah, Bambang Siswanto, Adi Witono, Lilik Slamet S. and Martono Martono	Climate Change and Drought: a perspective on rainfall and water deficits in Java and Bali
16	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
17	Muhamad Reyhan Respati, Sandro W. Lubis and Sonni Setiawan	Convectively Coupled Equatorial Waves Triggering Torrential Rainfall Events over Sumatra, Indonesia
18	Diah A. Tiyas, Sandro W. Lubis and Sonni Setiawan	Kelvin Wave Activity in the UTLs over the Maritime Continent from GPS RO Measurements
19	Laras Toersilowati, Bambang Siswanto, Edy Maryadi, Indah Susanti, Mamat Suhermat, Adi Witono, Hidayatul Latifah, Sinta Berliana Sipayung, Amalia Nurlatifah, Jamrud Aminuddin and Fildzah Adany	The Projections of Urban Climate Change using Conformal Cubic Atmospheric Model (CCAM) in Bali - Indonesia
20	Aldiatama Jumanissaba, Sandro W. Lubis and Sonni Setiawan	Impacts of the QBO on MJO-Related Rainfall over Maritime Continent
21	Wisnu Arya Gemilang, Ulung Jantama Wisna and Hendra Bakti	Water Quality Assessment for Submarine Groundwater Discharge (SGD) Pollution in the Coastal Area of Krakas Beach, North Lombok, Indonesia
22	Fadhil Rizki Muhammad, Sandro Wellyanto Lubis and Sonni Setiawan	The Influence of Boreal Summer Madden-Julian Oscillation on Precipitation Extremes in Indonesia
23	Sumaryati Sumaryati, Dita Fatria Andarini, Nani Cholianawati and Asri Indrawati	Smoke Propagation during Fire Season in Kalimantan and Sumatra in 2015 and 2019
24	Jamrud Aminuddin, Zaroh Irayani, Abdullah Nur Aziz, Laras Toersilowati and Soni Aulia Rahayu	Langley Plot and Lambert-Beer Law in Retrieving Solar Radiation at the Top of Atmosphere
25	Yeyen Nurhamiyah, Firda Aulya Syamani, Wida Banar Kusumaningrum and Nanang Masruchin	Thermal Properties of Acetylated Starch-Chitosan Based Bioplastic Film
26	Asri Indrawati, Dyah Aries Tanti, Wiwiek Setyawati, Sumaryati Sumaryati, Indra Chandra and Atep Radiana	Characteristics of Acid Deposition in Urban and Sub-Urban Area

27	Haries Satyawardhana, Erma Yulihastin, Gammamerdianti Gammamerdianti, Candra Nur Ihsan and Eka Putri Wulandari	Analysis of Spatial Comparation between Predicted Rainfall Based on Dynamic Model and Satellite
28	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
29	Aulia Azura, Wendi Harjupa and Muhammad Rais Abdillah	The Evaluation of Rapidly Developing Cumulus Area Model in Detecting Rain in Bandung Basin
30	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 Data and The RDCA Index (Case Study : Flood In Early January 2020)
31	Suaydhi Suaydhi	On the Mechanism of Anomalously Wet and Cold Weather over Java in the Month of June
32	Inggrid Wahyu Kinanti, Ade Romadhony and Indra Chandra	Artificial Neural Network based prediction of PM2.5 mass concentration in Bandung Metropolitan
33	Juliet Berdera, Jean Amor Jamero, Reyna Jane Gontinas, John Gary Tejano and Karyn Chrislene Vitor	Intertidal arthropods of Pantukan, Davao de Oro, Philippines
34	Yudha Djamil, Tri Hadi, Wirid Birastrri and Xianfeng Wang	Outstanding issues in the future climate projection over Indonesia
35	Nurul Amri Komarudin, Hariyadi Hariyadi and Tania June	Implementation of Environmental Policy on Oil Palm Plantations Related to ISPO in Eastern Part of South Sumatra Province
36	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
37	Jeaneth Molano and Karyn Chrislene Vitor	Land snail species from rice paddies in Tagum City (Philippines)
38	Fahmi Rahmatia, Listi Restu Triani and Amalia Nurlatifah	The Response of Rainfall in Sumatera to Indian Ocean Dipole Phenomenon
39	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
40	I Putu Dedy Pratama, Ni Luh Desi Purnami, Pande Komang Gede Arta Negara and Putu Eka Tulistiawan	Spatial and Temporal Lightning Analysis in Bali
41	Afrizal Bahar, Varuliantor Dear, Asnawi Husin, Jiyo Harjosuwito, Agri Faturahman and Rezy Pradipta	Exploring an extension of Space Situational Awareness in Southeast Asian Region Utilizing EAR Observation Data
42	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
43	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

44	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
45	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 <i>Coptotermes</i> spp.
46	Yuliana Yuliana	The Global Atmospheric Condition during the COVID-19 pandemic
47	Yuichi Otsuka and Prayitno Abadi	Scintillation Drift Velocity Observed by Closely-Spaced GPS Receivers in Indonesia
48	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
49	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
50	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
51	Hendri Satria and Dewi Tamara Qothrunada	Comparison of PM10 Parameters Pre and Post Social Restrictions during the Covid-19 Pandemic in Serpong
52	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
53	Dewi Syahidah, Jennifer Elliman and Leigh Owens	PCR column contamination gave false positive result for <i>Cherax quadricarinatus</i> densovirus (CqDV) in Sf 9 cell cultures
54	Prawira Yudha Kombara and Nani Cholianawati	Influence of local wind respect to the PM2.5 dispersion in Bandung basin
55	Feri Nugroho, Ayub Sugara and Ayi Priana	The Effect of Land Change on Urban Heat Island: Case Study of Bekasi Regency
56	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
57	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
58	Rattanaporn Norarat, Wichet Thipprasert, Vishnu Thonglek and Nantinee Srijumpa	Effects of Air-fine bubbles water on cultivated shiitake mushroom in Thailand
59	Fandy Balbo, Rusmawan Suwarman and Arika Indri Dyah Utami	Chemical Characteristics of Rainwater in Bandung And Kototabang
60	Muhamad Iqbal, Aldo Novaznursyah Costrada and Harmadi Harmadi	Prototype of Flood Monitoring System Based on River Turbidity Using Optical Fiber Sensor and Raspberry Pi 3 B+

61	Enung Nurhotimah	Fighting Covid 19 Using Herbal Medicine According to Local Plant Diversity
62	Ina Juaeni, Ridho Pratama, Wendi Harjupa, Elfira Saufina, Dita Fatria Andarini and Ibnu Fathrio	Evaluation of The Surface Wind Speed, Shear of Wind Speed, Shear of Wind Direction and Richardson Number at Soekarno Hatta Airport Using Wyoming Radiosonde Data
63	Ryo Yabuki, Hiroyuki Hashiguchi, Issei Terada and Mamoru Yamamoto	Study on adaptive clutter rejection system using external receiving antennas for the MU radar
64	Nadine Ayasha	The Impact of Vertical Velocity Parameter Conditions and Its Relationship with Another Weather Parameters in The Hail Event
65	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
66	Syukri Darmawan, Edy Maryadi, Annida Rahmawati, Asif Awaludin, Tiin Sinatra and Fadli Nauval	Rainfall Nowcasting with Rain Scanner Images in Bandung
67	Aisya Nafiisyanti	Interpolation Methods Evaluation on Arbitrary Straight Line Flight Weather Data
68	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
69	Soni Aulia Rahayu, Rachmat Sunarya, Edy Maryadi and Listi Restu Triani	Design and Analysis of Temperature Sensor Based on Platinum Wire for Radiosonde
70	Sri Purwati, Djoko Sihono Gabriel and Kurnia Wiji Prasetyo	Feasibility Test of Using Disposable Baby Diaper Waste as Raw Material for Fiberboard
71	Suaydhi and Gammamerdianti	Intraseasonal and Interannual Variability of Cumulonimbus Cloud over the Maritime Continent
72	Ednofri	Impact of Plasma Depletion on The Occurrence of Scintillation in The Minimum Years Phase of Solar Cycle 23
73	Riska Surya Ningrum, Fadia Idzni Rodhibilah, Dewi Sondari, Sudarmanto Sudarmanto and Dwi Ajias Pramasari	Effect of Precipitation Time on the Physicochemical Properties of Modified Sago Starch
74	Rachmat Sunarya, Asif Awaludin and Wendi Harjupa	A Software Improvement Method for Radiosonde Platinum Sensor
75	Budi Harsanto	The Intersection of Environmental Science and Social Science in the Sustainability Innovation
76	Riki Purnama Putra, Roprop Latiefatul Millah and Shidiq Andhika	ETA Concept Program for Reducing Green House Effect in Indonesia Industrial Scale with IoT Integrated
77	Elfira Saufina, Fadli Nauval, Dita Fatria Andarini, Risyanto, Trismidianto, Wendi Harjupa, Teguh Harjana, Marzuki and Eddy Hermawan	Extreme Rainfall Prediction over Sumatera using Logistic Regression

78	Wiwiek Setyawati, Dyah Aries Tanti and Asri Indrawati	Air Quality in The Bandung Basin of Indonesia as Measured by Passive Sampler
79	Jesi Pebralia and Iful Amri	A Low-cost and Practical Method for Determining Raindrop Size from Spray Nozzle by Using a Mobile Phone Camera
80	Desy Sulistiyorini	Biomonitoring of Polycyclic Aromatic Hydrocarbons in the Ambient Air Using Plants: A Review
81	Subyakto, Eko Widodo, Triyati, Naomi Damaria Lidya Andini Hutauruk, Rabiya 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
82	Farid Lasmono, Risyanto, Fadli Nauval and Elfira Saufina	Machine Learning-based Satellite Rainfall Estimation from Himawari-8 Multi Channels Observation Using Random Forest Algorithm
83	Kirana Sasmitaloka, Mulyorini Rahayuningsih and Titi Sunarti	Utilization Of Agroindustrial By Product For Bioinsecticide Production
84	Nunung Nugroho	Spatial distribution of nutrient export from the catchment area of Lake Rawapening
85	Arif Wicaksono	Public Urban Park Quality Assessment using Fuzzy C Means Classification of Land Surface Temperature and Social Indicators
86	<u>Muhammad Hanif, Rizki Atthoriq Hidayat, Giant Amor and Luhur Moekti Prayogo</u>	Zone of Biodiversity Extinction in Tropical Marine Ecosystems in Sumatra Island Using Climate Change Scenarios
87	Ridho Pratama, Muhammad Fadhlun 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)
88	Hikmahwati Hikmahwati, Muhammad Rifqy Aulia, Harli A Karim, Nur Ilmi and Agus Riandi	Description of Macroscopic and Microscopic Alternaria porri on Shallots (Allium ascalonicum L) in Enrekang Regency
89	Maulida Oktaviani, Fahriya Sari, Benjarat Bunterngrsook, Euis Hermiati, Verawat Champreda and Takashi Watanabe	Influence of Different Pretreatment Methods and Yeast Strains on Xylitol Production from Sugarcane Trash Hemicellulose Hydrolysate
90	Hidayatul Latifah, Edy Maryadi, Bambang Siswanto, Indah Susanti, Aulia Darojatun, Sinta Berliana Sipayung, Laras Toersilowati and Lilik Slamet	Performance Analysis of the Conformal Cubic Atmospheric Model in the Indonesian Region
91	Ibnu Fathrio, Risyanto, Farid Lasmono, Dita Fatria, Teguh Harjana, Ina Juaeni, Fadli Nauval, Aisya Nafiisyanti and Agung Febrian Putra	Improving Numerical Weather Prediction by Assimilating Clear-Sky Infrared Radiance from Himawari-8 Satellite: a Case Study of Heavy Rainfall over Southeast Sulawesi
92	Prayitno Abadi, Gilland F. P. Achyar, Dyah R. Martiningrum, Reza R. Septiawan, Umar A. Ahmad and Septi Perwitasari	The equatorial spread-F occurrence as functions of solar activity, geomagnetic activity, and evening upward plasma drift analyzed by logistic regression
93	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

94	Sigit Kurniawan Jati Wicaksana and Iis Sofiati	Comparative Analysis of Upwelling Characteristics in Northeast and Southwest of Indonesian Seas Area
95	Muly Preti Mahayu, Ednofri and Alfiah Rizky Diana Putri	Study of the characteristics of Ionospheric F layer above Kototabang during Flare Event on August 9, 2011
96	Wendi Harjupa, Trismidianto Trismidianto, Risyanto Risyanto, Elfira Saufina, Fadli Nauval, Dita Fatria Andarini, Teguh Harjana, Marzuki Marzuki and Eddy Hermawan	Impact of MJO on the distribution of extreme rainfall over Indonesia during IOD and ENSO condition
97	Wildan Novrizal, Faiz R. Fajary and Nurjanna Joko Trilaksono	Atmospheric El Niño Precursors over The Maritime Continent
98	Masuda Shuto, Yokoyama Tatsuhiro and Yamamoto Mamoru	Long-term analysis of electron density observed by the MU radar and auto-scaled ionosonde data
99	Edi Rikardo Sinaga, Rusmawan Suwarman, Edi Riawan, Yogi S.M Simanjuntak and Yudha S Djamil	Impact of La Nina to the river discharge variability in the Upper Citarum watershed
100	Fauziah Fangia and Trismidianto Trismidianto	Evolution of Mesoscale Convective Complex and Its Atmospheric Conditions During Heavy Rain in Bandung, 22 February 2018
101	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
102	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
103	Noersomadi	The Madden-Julian Oscillation forcing on the diurnal variation of turbulence kinetic energy in the tropical tropopause layer observed with Equatorial Atmosphere Radar
104	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
105	Ravidho Ramadhan, Robi Muharsyah, Marzuki Marzuki, Helmi Yusnaini, Mutya Vonnisa and Hiroyuki Hashiguchi	Evaluation of GPM IMERG Products for Extreme Precipitation over Indonesia
106	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
107	Dewi Tamara Qothrunada and Hendri Satria	Comparison of Atmospheric Dynamics Conditions, Rainfall and Rainy Days with Historical Data during Flood Events in North Buton on 18 and 22 June 2021
108	Karunika Diwyacitta, Andy Indradjad and Budhi Gustiandi	Automatic True Color Composites Generation Based on NOAA JPSS Satellites Data

109	Mario Batubara, Timbul Manik, Musthofa Lathif and Peberlin Sitompul	Optimization of Array System Configuration Using the Smoothed-Pad Algorithm
110	Sayanta Ghosh, Renu Lata, Isha Thakur and J. C. Kuniyal	Estimating The Impact of Spatio-Temporal Land Cover Changes on Air Quality Using Satellite Data In Beas Valley, Himachal Pradesh, India
111	Bunga Aprilia, Marzuki Marzuki, Imam Taufiq and Findy Renggono	Classification of Precipitation Types from Micro Rain Radar Observation using Artificial Neural Network
112	Isha Thakur, Renu Lata, Sayanta Ghosh and J. C. Kuniyal	Assessing the impacts of Anthropogenic activities on Air Quality: A brief study during lockdown in 2nd wave of COVID 19 Pandemic in Kullu valley of North Western Himalayas
113	Prawira Yudha Kombara and Ninong Komala	Ozone variability at 10 hPa in Indonesia based on MERRA2 data
114	Desty Aulia Putrantri, Suskandini Ratih Darmawati, Agus Karyanto, Darwin Pangaribuan and Ainin Niswati	Resistance Induction of Sweet Corn to Helminthosporium turcicum Using Biochar Application
115	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
116	Didik Septian Pangestu, Rizal Suryana and Sofyan Basuki	Development of Solar Radiation Observation System Using RTL-SDR
117	Mariko Ogawa, Manabu Yamanaka, Awaluddin Awaluddin, Arief Darmawan, Albertus Sulaiman, Reni Sulistyowati, 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
118	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
119	Ayu Putri Ningsih, Robi Muharsyah, Marzuki Marzuki, Helmi Yusnaini, Mutya Vonnisa and Ravidho Ramadhan	Evaluation of GPM IMERG Rainfall Products over Indonesia at Multiple Spatiotemporal Scales
120	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
121	Arlif Nabilatur Rosyidah, Nurjanna Joko Trilaksono and Noersomadi	Variation of the wind profiles in the tropical tropopause layer associated with QBO-MJO connection

122	Dessy Gusnita	Effect of meteo parameters on air quality in urban areas
123	Helmi Yusnaini, Marzuki Marzuki, Harmadi Harmadi and Mutya Vonnisa	Intraseasonal Change of the Diurnal Cycle of Precipitation Over Sumatra from IMERG Observation
124	Alya Syifa Ihsani, Anggunmeka Luhur Prasasti and Wendi Harjupa	Rain Prediction Using Convolutional Neural Network (CNN) Method Based on Digital Image
125	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
126	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
127	Yoga Andrian, Ahmad Zulfiana Utama and Rizal Suryana	The Implementation of API Gateway Architecture on Space Weather Information System
128	Luthfiyah Jannatunnisa and Trismidianto Trismidianto	Analysis of Multi-scale atmospheric phenomena and parameters triggering Seroja Tropical Cyclone and Its Effect to extreme rainfall over Nusa Tenggara Timur
129	Ali Rahmat and Fajar Setiawan	Estimating Rainfall data using Tropical Rainfall Measuring Mission (TRMM) data: Study case in Pesawaran Meteorology and Geophysics Agency
130	Arifatatus Hikmah Rusmanansari, Rusmawan Suwarman, Yudha Setiawan Djamil and Yan Firdaus	GSMAP Seasonal Rainfall Verification Over Western Java
131	<u>Marzuki Marzuki, Helmi Yusnaini, Fredolin Tangang, Robi Muharsyah and Mutya Vonnisa</u>	Mechanisms of Diurnal Precipitation over Sumatra: Measurement and Climate Model Perspectives
132	Nining Jumianti, Marzuki Marzuki, Wendi Harjupa, Risyanto Risyanto and Muhammad Fadhlun Putranto	Prediction of Extreme Rainfall in Padang City Based on Clouds Brightness Temperature Difference from Himawari-8 Satellite Data
133	Rana Hapsari, Arno Kuntoro, Widyaningtias, Edi Riawan, Mohammad Farid and Mohammad Adityawan	Correcting Bias Gpm Imerg Precipitation over Brantas Watershed, Indonesia
134	Gema Puspa Sari and Elen Yulance Yosepha	Microalgae as a sustainable protein source to reducing stunting in children: A critical review and concept analysis
135	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
136	Ikhsan Nazar Arrahman	Environmental Impact Analysis through Heavy Metals Contained Sago Starch
137	Nani Cholianawati	Diurnal Variation of Fine Particulate Matter in Indonesia Based on Reanalysis Data
138	Rahma Alfina Salsabila and Trismidianto Trismidianto	Analysis of Multi-scale Weather Parameter Triggering Flash Flood Event of the 16 March 2019 in Sentani, Jayapura.
139	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

140	Candra Nur Ihsan and Nova Agustina	Weather Prediction System Using Thomas-Fiering Model To Determine Initial Planting Recommendations in West Java Province
141	Akhmad Berryl Widyartha, Muhammad Nurdin, La Ode Ahmad Nur Ramadhan, Andi Tenri Nurwahidah and Thamrin Azis	Enhancing Visible Light Adsorption of TiO ₂ /Ti Photocatalyst by co-doping Cr and N Elements and Its Application in Tetracycline Photoelectrochemical Degradation
142	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
143	Siska Rasiska, Pampang Parikesit and Iwan Setiawan	The Impact of Climate Change on Effectivity of Biocontrol in The Arabica Coffee Landscape
144	Waluyo Eko Cahyono, Prawira Yudha Kombara, Emmanuel Adetya and Wilin Julian Sari	Simulation and Evaluation of PM _{2.5} in the City of Palangkaraya Using the Model WRF-Chem
145	Putri Nilam Sari, Nofriya 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
146	Erti Nurfindarti and Nugrahana Fitria Ruhjana	Determination of Stunting Priority Locations and Regional-based Stunting Management Strategies in Serang City
147	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
148	Muhammad Hanif, Adrin Tohari and Dadan Dani Wardhana	Palu Koro Fault zone subsurface model from microtremor method and its relation to potential hazard
149	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)
150	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
151	Rizki Atthoriq Hidayat, Muhammad Hanif, Giant Amor and Hafizurrahman H	Utilization Of VIIRS Imagery in Analyzing Light Pollution as The Threat Towards Bird Performance in The Region Of Medan, North Sumatra, Indonesia
152	Neflia Neflia	The characteristics of Solar Flare and CMEs that caused SPE during solar cycle 24
153	<u>Farahhati Mumtahana and Taufiq Hidayat</u>	Continuum Study on Uranus at the Millimeter/submillimeter Wavelength with ALMA Data
154	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
155	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
156	Giant Amor Amor and Rizki Atthoriq Hidayat Thoriq	Spatial Modeling of Flooding Due to Tides Against Residential Areas in Coastal Areas of Bengkalis Island

157	Vira Friska, Deasy Arisa, Marzuki Marzuki and Fadilla Monica	Indo-Australian Plate Velocity Measurement During Interseismic Phase In 2011-2012 Using Sumatran Gps Array (SuGAR) Data
158	Dyah Rahayu Martiningrum, Prayitno Abadi, Anwar Santoso and Mamoru Yamamoto	Morphological of E-F Region Field Aligned Irregularities in Low Latitude
159	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
160	Fadilla Monica, Deasy Arisa, Marzuki 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
161	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 Intralab Earthquakes: As Obtained from the Sumatran GPS Array (SuGAR) Data
162	Ranie Dwi Anugrah and Stevani Anggina	Tsunami Impact Assessment for Coastal City in Cilacap, Indonesia: A Geospatial Approach
163	<u>Anwar Santoso and Dyah Rahayu Martiningrum</u>	Estimation of Geomagnetic Storm of Solar Cycle 24 Based On Solar Wind and Magnetic Field Parameters
164	Agusriandi Agusriandi and Hikmahwati Hikmahwati	The Sustainable Digital-Farming Framework using an interdisciplinary approach
165	<u>Eddy Hermawan, Tyo Maulana and Rahmat Gernowo</u>	Effects of El-Nino and La-Nina on the Velocity Potential at 200 hPa over Maritime Continent
166	Fitrah Amelia, Ramses Ramses and Ismarti Ismarti	Reduction of copper and lead metal content in gonggong snails using lime
167	Nourma Al Viandari, Anicentus Wihardjaka, Heru Bagus Pulunggono and Suwardi	Increasing Rice Yield by Soil Tillage System and Water Management
168	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
169	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
170	Risyanto, Farid Lasmono, Ibnu Fathrio, Dita Fatria Andarini, Fadli Nauval, Aisya Nafiisyanti, Ina Juaeni and Teguh Harjana	Estimation of TPW over Indonesian Maritime Continents based on Himawri-8 data using machine learning techniques
171	Ilham Fajar Perdana	Quasi-Linier Convective System (QLCS) Characteristics in Jakarta, West Java and Banten during 2018
172	Bony Septian Pandjaitan	Investigation of Atmospheric Reanalysis Convective Parameters and Overshooting Cloud Top in Hail Events Over Java Island
173	Retno Leodita Lubis, Juniarti, Saftia Laila Rajmi, Aldi Nanda Armer, Novika Yulanda, Fakhrijal	Assessment of the Geochemical Weathering Indices of Volcanic Soil After The Eruption From Mount Sinabung in 2020

	Rizki Hidayat, Hazi Zulhakim, Ichsan Faishal Syukri, Frisa Irawan Ginting and Dian Fiantis	
174	Saftia Laila Rajmi, Gusnidar, Retno Leodita Lubis, Frisa Irawan Ginting, Fakhrijal Rizki Hidayat, Aldi Nanda Armer, Hazi Zulhakim, Novika Yulanda, Ichsan Faisal Syukri and Dian Fiantis	The Geochemical Properties of Volcanic Materials: After a Year Mt. Sinabung Eruption
175	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
176	Muhammad Hanif and Lina Handayani	2D and 3D subsurface model of Baribis Fault zone in West Java
177	Fenita Purnama Sari Indah	Effect of Community-Based Total Sanitation Program with Diarrhea Incidents In Children Under Five
178	Intan Perwitasari and Stevani Anggina	Risk Management Of Spaceport in Indonesia: Vulnerability Level Of Spaceport Biak
179	Ryosuke Tamura, Koji Nishimura and Hiroyuki Hashiguchi	The inversion algorithm of atmospheric radar signal given by a 3-dimensional volume scattering semi-physical simulation