



**THE FIFTH INTERNATIONAL CONFERENCE OF INDONESIAN
SOCIETY FOR REMOTE SENSING (ICOIRS) AND MAPIN CONGRESS**

17-20 September 2019, ITENAS-Bandung, West Java Indonesia

**“The Revolution Of Earth
Observation For a Better Human Life”**

TECHNICAL PROGRAMME



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KEYNOTE SPEAKERS





H. M. Ridwan Kamil, S.T., M.U.D.

Governor of West Java



Prof. Hassanudin Z. Abidin

Head of Indonesian Geospatial Agency (BIG)



Dr. Orbita Roswintarti, M.Sc

Deputy of Remote Sensing (LAPAN)



Prof. Dr. Ir. Dewayany Sutrisno, M.AppSc

President of Indonesian Society
for Remote Sensing (ISRS/MAPIN)



Prof. Chao-Hung Lin

National Cheng-Kung University, Taiwan



Prof. Wataru Takeuchi

Institute of Industrial Science, The University of Tokyo, Japan



Prof. Tian-Yuan Shih

National Chiao Tung University, Taiwan



Prof. Josaphat Tetuko Sri Sumantyo, Ph.D.

Chiba University, Japan



Prof. Sr. Dr. Mazlan Hashim FASc

Universiti Teknologi Malaysia (UTM), Malaysia



Dr. Gay Jane Perez

University of The Philippines, Philippines



Li Zhang, Ph.D

Co-chair of the Coastal Zone Working Group of the Digital Silk Road
International Scientific Program (DBAR)
Chinese Academy of Sciences, China



Tanakorn Sritarapipat, Ph.D., ME., BE
Suranaree University of Technology, Thailand



Dr. Firman Hadi
Geoinformatics Centre – AIT, Thailand

INVITED SPEAKERS



Prof. Dr. Ir. Bangun Muljo DEA.DESS
Institut Teknologi Sepuluh Nopember

Prof. Projo Danoedoro
Universitas Gajah Mada



Prof. Dr. Ketut Wikantika
Institut Teknologi Bandung

Prof. Dr.-Ing Fahmi Amhar
Badan Informasi Geospasial (BIG)



Prof. Lilik Prasetyo
Institut Pertanian Bogor

Dr. Agustan

Pusat Teknologi Inventarisasi
Sumberdaya Alam (PTISDA), BPPT.

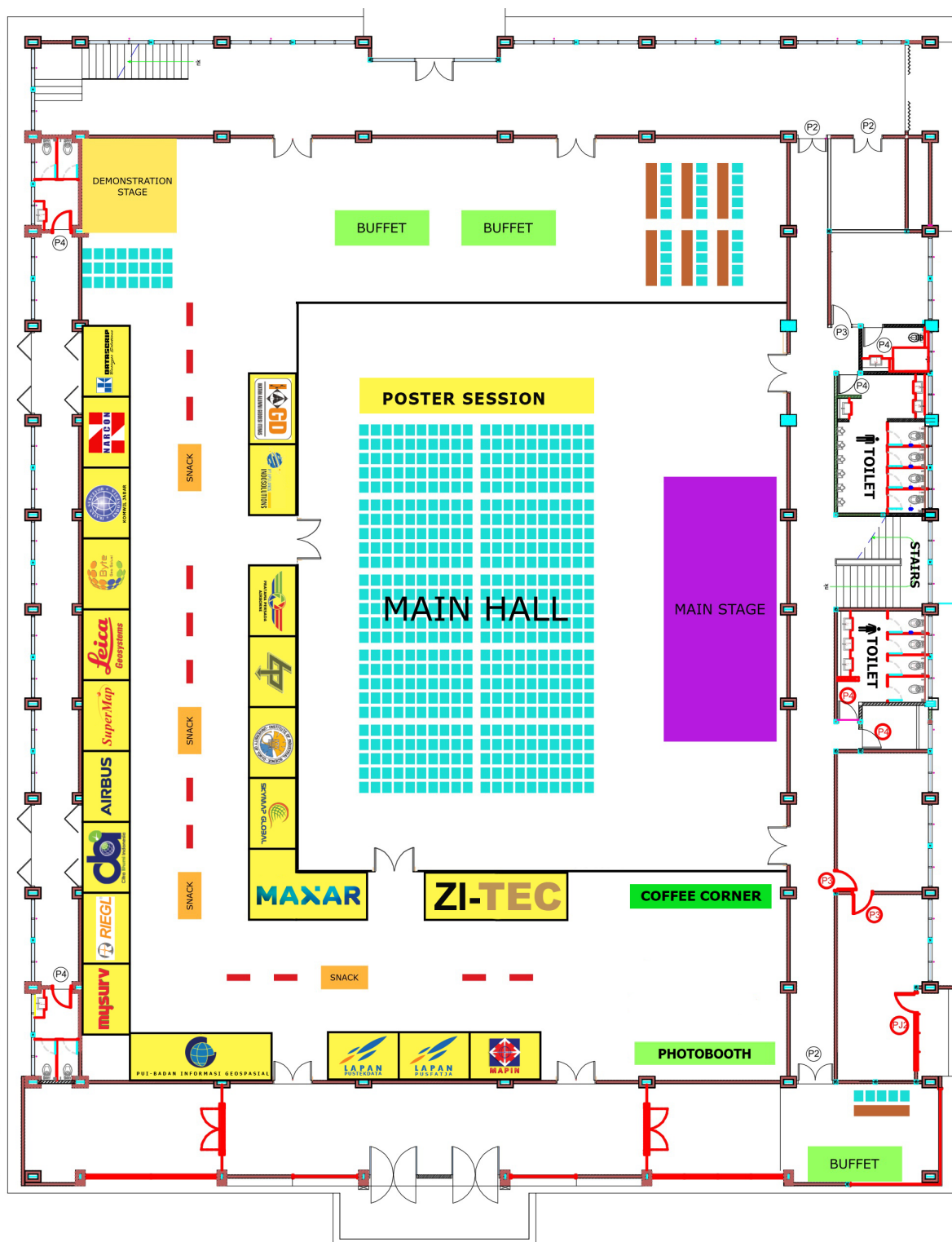


Dr. Soni Darmawan
Institut Teknologi Bandung

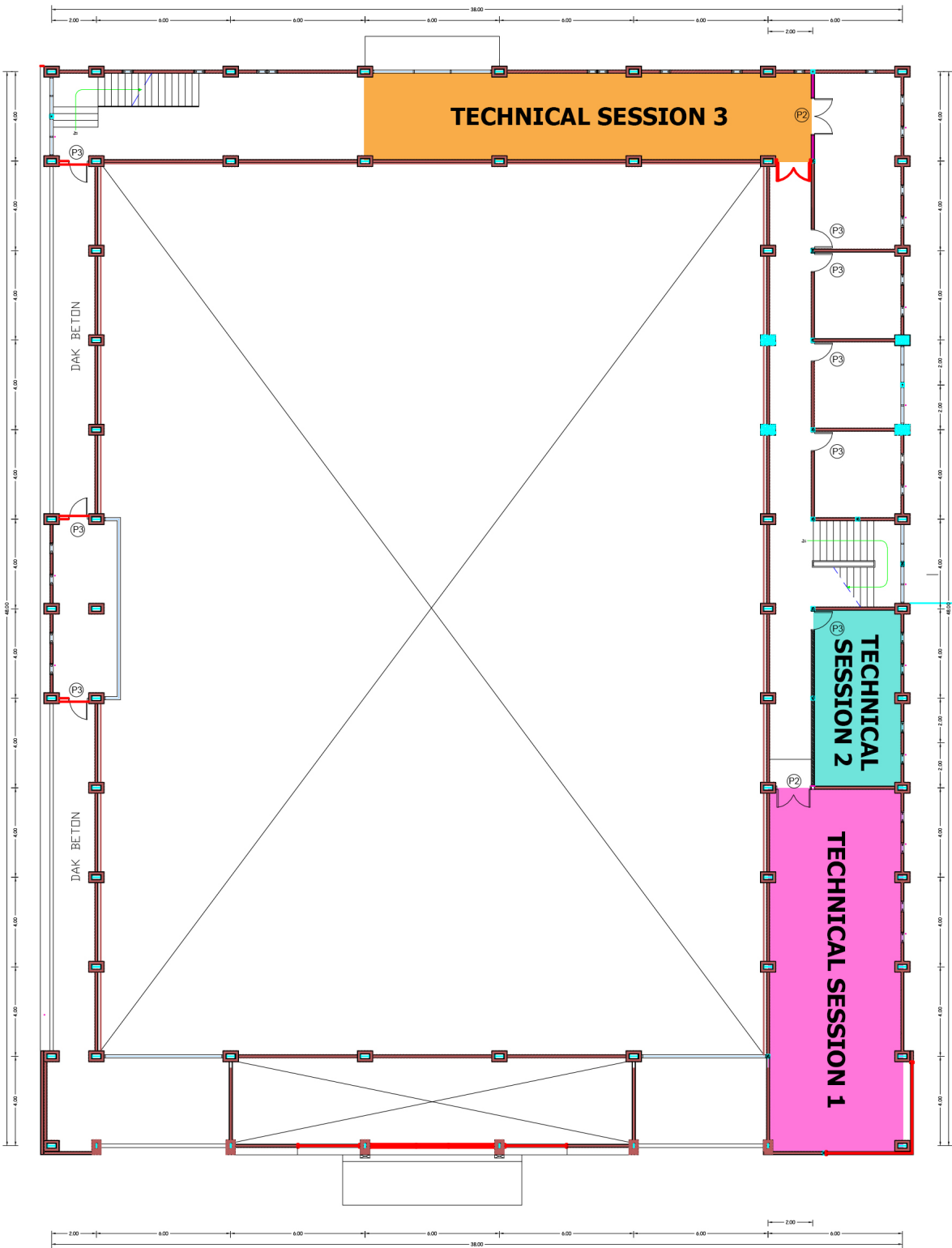


FLOOR PLAN

FIRST FLOOR



SECOND FLOOR



CAMPUS MAP



PETA KAMPUS ITENAS



Pada kampus Iain Ar-Raniry, Gedung besutur padidat di fondasi dan intensi Dires Pemukiman Ruang Kait Bandung, 30 tahun ini besutur dari survei lapangan menggunakan Electronic Total Station dan pengalihan informasi menggunakan perangkat lunak AutoCAD.



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Struktur	Daftar Organisasi
1. Lapangan Tenis	1. Gedung Desain
2. Area Parkir	2. Teknik Matematika
3. Masjid	3. Lab Bahasa Inggris
4. Cafeteria	4. Ruang Kuliah
5. Gv. Badminton	5. Lab T. Sipil & T. Arsitektur
6. ATM	6. Lab T. Mesin
	7. Gedung Serba Guna
	8. Teknik Kimia
	9. Teknik Elektro
	10. Perencanaan Wilayah & Kota
	11. Student Center
	12. Teknik Sipil
	13. Teknik Arsitektur
	14. Teknik Mesin
	15. Teknik Kimia
	16. UPT-TIK
	17. Teknik Arsitektur
	18. Teknik Geodesi
	19. Teknik Kimia
	20. Perencanaan Wilayah & Kota
	21. Student Center
	22. Bank BNI

DAY 1 – TUESDAY, 17 SEPTEMBER 2019

PLACE: MAIN HALL - DAYANG SUMBI HALL ITENAS BANDUNG

NO	TIME	TITLE	SPEAKER	MODERATOR
1	07.00 - 08.30	Registration	Committee	Novita Dewi, Firmanto & Fauzan
1	08.30 - 09.20	Opening Ceremony	Committee	
		Welcome Speech	Head of Committee	
			President of ISRS	
			Representative of AARS	
			Dr. Imam Aschuri (Rector of Itenas)	
		Opening - Governor of West Java	H.M. Ridwan Kamil, S.T., M.U.D.	
2	09.20 - 09.30	Signing MOU & Souvenir for Sponsor	Committee	
3	09.30 - 10.00	Keynote Speaker - Head of BIG	Prof. Hasanuddin Z. Abidin	
4	10.00 - 12.00	Keynote Speaker - Remote Sensing's Deputy of LAPAN	Orbita Roswintiarti, M.Sc.	Dr. Bambang Edi L.
		Keynote Speaker	Prof. Mazlan Hashim	
		Keynote Speaker	Prof. Wataru Takeuchi	

DAY 1 – TUESDAY, 17 SEPTEMBER 2019**PLACE: MAIN HALL - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR	Prof. Fahmi Amhar	
TIME	TITLE	PRESENTER / AUTHOR(S)
13.00 - 13.15	New Technology from Zi-Tec	Zitec
13.15 - 13.30		
13.30 - 13.45	New Technology from Maxar	Maxar
13.45 - 14.00		
14.00 – 14.30	Poster Session 1	Poster Presenters
14.30 – 15.00	Poster Session 2	Poster Presenters

DAY 1 – TUESDAY, 17 SEPTEMBER 2019**TOPIC: TOPIC 1 – REMOTE SENSING APPLICATION****PLACE: MAIN HALL - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Dr. Budhy Soeksmantono	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
042	15.00 - 15.15	Towards a Study of Fire Occurrences in Indonesia	Armi Susandi, Mamad Tamamadin, Aristyo Rahadian Wijaya, Angga Fauzan Pratama, Irvan Faisal, Alvin Pratama, Destika Agustina Widiawan and Olgha Puspa Pandini
242	15.15 - 15.30	Spatial Analysis of Rice Phenology Using Sentinel-2 and UAV in Parakan Salak, Sukabumi Regency	Rokhmatuloh Rokhmatuloh, Supriatna Supriatna, Adi Wibowo, Iqbal Putut Ash Shidiq, Tjong Giok Pin and Revi Hernina
113	15.30 - 15.45	Tree height and crown mapping from LiDAR and High Resolution Satellite Image in Malaysia Tropical Reserve Forest	Mohd Yussainy Md Yusop, Mohd Nadzri Md Reba and Mohd Rizaludin Mahmud
024	15.45 - 16.00	Simulating the Overland Flow in Prospectively Cleared Tropical Forest Using Airborne LIDAR & High Resolution Optical Images	Abd. Ramlizauyahhudin Mahli, Mohd. Rizaludin Mahmud and Mohd. Nadzri Mohd. Reba

DAY 1 – TUESDAY, 17 SEPTEMBER 2019**POSTER SESSION 1****PLACE: MAIN HALL - DAYANG SUMBI HALL ITENAS BANDUNG**

ID	TIME	TITLE	PRESENTER / AUTHOR(S)
002	14.00 - 14.30	Identification of Addition, Distribution Pattern, and Sedimentation Density Level Using Landsat Satellite Image in the Coastal Area of Cirebon City	Thobibie and Yackob Astor
003		Change Detection of Mangrove Forest using Soil Adjusted Vegetation Indices Based on Multitemporal Images, Case Study: East Coast of Lampung Province	Nirmawana Simarmata, Trika Agnestasia and Tessa Khairani Ermanto
011		Format dan Pengelolaan Data Penginderaan Jauh SPACeMAP	Ogi Gumelar, Riyan Mahendra Saputra, Gusti Dharma Yudha, Agnes Sondita Payani and Siti Desty Wahyuningsih
023		Spatial Model of Air Surface Temperature From Landsat 8	Adi Wibowo
029		Indirect Losses Estimation On Economic Sector Due To Tsunami In Ngombol District Purworejo Using Geoeye And National Dem (DEMNAS) Imagery	Nur Aprilia Sulistyaningrum, Arfin Fajar Ramadhan and Totok Wahyu Wibowo
030		The influence of water balance in mangrove forests growth to mangrove's degradation and depletion, case study: Southeast Asia	Felia Niwan Wilwatikta, Anjar Dimara Sakti, Luri Nurlaila Syahid and Ketut Wikantika
040		Utilization of Himawari-8 Satellite Data for Estimated Rainfall with Various Methods (Case Study of	Adi Ramses Sagala, Hezron Salawane and Andreas Kurniawan Silitonga

		Heavy Rain Jayapura 16-18 March 2019)	
044	14.00 - 14.30	The Aim of Object Modeling Analysis based on Building Information Modeling	Asep Yusuf Saptari, Putri Rahmadani and Heza Pratama Erdiza
046		Hybrid Interpretation for Land Cover Classification and Estimating Land Surface Temperature	Shafira Himayah, Riki Ridwana and Arif Ismail
054		Spectral analysis for phenological studies of leaves and fruits development in coffee plantation in Gunung Puntang: a preliminary result	Mochamad Firman Ghazali, Ketut Wikantika, Anggun Tridawati and Agung Budi Harto
064		Preliminary Study on Validation of HIMAWARI-8 Data with Ground Based Rainfall Data at South Sumatera, Indonesia	Fanny Meliani, Reni Sulistyowati, Zilda Dona Okta Permata, Lena Sumargana, Rizki Amaliyah, Andri Purwandani, Nuga Putrantijo and Akbar Rizki Ramadhan
067		Spatial Analysis of Rice Field Phenology using Sentinel-1 and Sentinel-2 in Karawang Regency	Supriatna Supriatna and Adi Wibowo
072		Vertical Accuracy Evaluation of National DEM Data at Buru Island	Maundri Prihanggo, Rofiatul Ainiyah and Rofiqoh Rofiqoh
077		Modeling a Tsunami in Western Lampung based on Aerial Photogrammetry and Remote Sensing Data	Arliandy P. Arbad, Stevanus Jonathan, Agung Bhakti, Meimuna Chusna and Achmad Ardy
089		Rainfall Distribution in Relation to Flooding in Upper Citarum Watershed	Syifa Hanifa, Mangapul Parlindungan Tambunan and Kuswantoro Marko
090		Application of Lyzenga Algorithm on Sentinel-2B and SPOT-7 Imagery for Estimation of Coral Reef Condition, Capacity and Presence	Tessa Khairani Ermanto, Bambang Edhi Leksono and Nirmawana Simarmata

		(Case Study: in Kapo-Kapo Island and Soetan Island, Pesisir Selatan Regency, West Sumatra Province	
092	14.00 - 14.30	The Application of a Method of Normalized Difference Vegetation Index (NDVI), Normalized Difference Moisture Index (NDMI) and Parameter Physical to Zoning Prone Landslide in Bandar Lampung City	Tamara Tamara
095		Spatial vulnerability to tsunami models on the northern coast of Buleleng sub-district	Maria Pramudita Wetty and Dr.Rer. Nat Eko Kusratmoko
099		Pseudo Height Anomaly Over Indonesia in Respect of GRACE Gravity Satellite	Dina Anggreni Sarsito, Brian Bramanto, Muhammad Syahrullah, Heri Andreas and Dhota Pradipta
102		Application of TerraSAR-X DEM to prospect geothermal in Rajabasa Volcanic Complex, Sumatera, Indonesia	Fitriani Agustin, Indra Sanjaya and Undang Hernawan

DAY 1 – TUESDAY, 17 SEPTEMBER 2019**POSTER SESSION 2****PLACE: MAIN HALL - DAYANG SUMBI HALL ITENAS BANDUNG**

ID	TIME	TITLE	PRESENTER / AUTHOR(S)
103	14.30 - 15.00	Multiple Regression Analysis of Remote Sensing Data for Determining Vulnerability Factors of Landslide in Purworejo	Sudaryatno, Prima Widayani, Totok Wahyu Wibowo, Bayu Aji Sidiq Pramono, Awit Dini Meikasari, Zulfa Nur'aini Afifah, Karunisa Pasya Kusumawardani, and Muhammad Rizki Firdaus
104		GIS Approaching for Land Suitability Analysis for Settlement Area in Mijen Sub-District	Ghiffari Barbarossa, Reinhart Christopher, Candra Margarena, and Bitta Pigawati
110		Modeling of Density Vulnerability of Landslide Using The IFSAR DEM in Manuju and Bungaya District Gowa Regency, South Sulawesi Province	Johan Eden, Ilham Alimuddin, and Busthan Azikin
112		Utilization of High Resolution Image for Toponym Data Acquisition	Mochamad Irwan Hariyono
116		The Distribution Pattern of the Drought Agricultural Land in Serang Regency Using the NDDI Algorithm	Rista Nur Aini
118		Utilization of Remote Sensing And GIS Applications for Shoreline Change Prediction (Study Case: Semarang City and Surrounding)	Isniah Nur Cahya Dewi and Nurul Khakhim
123		Identifying Geothermal Steam Spots Based on Binary Logistic Method to a High-Resolution Imagery and Field Measurement	Firdausi Zahara Gandes, Asep Saepuloh, and Ketut Wikantika

125	14.30 - 15.00	Updating of Homecoming Routes Map 2019 (Study Case : Kalimantan Island)	Ricky Whisnuhandoko Soebakir and Soni Darmawan
244		Sun Azimuth as Initial Reference of Stakeout Direction on Tunnel Surveys Project	Nurul Yuhania
130		National Policy and Remote Sensing Interaction Model for Monitoring Carbon Stocks in Indonesia (A Case Study: South Konawe Regency)	Sitti Hairani Idrus And Laode M Golok Jaya
214		Detection of Vegetation Changes Using Landsat Satellite Images in Bandung, Indonesia	Ichwan Altarans and Rika Hernawati
215		Analysis of Pm10 Air Pollution with Increasing The Number of Vehicles Based on Landsat Satellite Images in Bandung City	Anisa Maulidina and Rika Hernawati
216		Analysis Air Pollution PM _{2,5} with Correlation NDVI (Normalized Difference Vegetation Index) Using Landsat 8 in Bandung, West Java	Anis Pratiwi and Rika Hernawati
217		Identification of Pm10 Air Pollution Distribution Using Satellite Landsat Images in Bandung, Indonesia	Novita Dewi, Rika Hernawati, and Soni Darmawan
218		Urban Building Land Mapping and Monitoring Using Approach (Normalized Difference Built-Up Index) NDBI in Bandung City, West Java Province	Felita Nathania and Rika Hernawati
241		Effect of Object Homogeneity on Agisoft Processing Success	Anna Charieninna, Monica Maharani, and Hary Nugroho

DAY 1 – TUESDAY, 17 SEPTEMBER 2019**TOPIC : TOPIC 1 – REMOTE SENSING APPLICATION****PLACE: TECHNICAL SESSION 1 - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Dr. Ir. Rizatus Sofiati	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
087	13.00 - 13.15	Profile of dielectric constant of peat in Ogan Komering Ilir Regency, Indonesia using SAR Sentinel-1 and Ground Penetrating Radar	Fiolenta Marpaung, Sumirah Sumirah, Lena Sumargana and Djoko Nugroho
020	13.15 - 13.30	Economic Valuation of Cabon Dioxide Emissions From Burned Peatland in Ogan Komering Ilir Using MODIS Data	Riissiyani Riissiyani, Tiara Grace, Citra Hasna Paramita and Wisnu Ali Martono
056	13.30 - 13.45	Consecutive Dry Days and Peatland Fires in Ogan Komering Ilir Regency	Winarno, Anisah, Afifuddin, Siti Arfah and Syaefudin
227	13.45 - 14.00	Aboveground Mangrove forest biomass and carbon stock assessment with Terrestrial Laser Scanner (TLS) using Quantitative Structure Model (QSM) in East Kalimantan, Indonesia	G K Beyene

MODERATOR		Dr. Ir. Rizatus Sofiati	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
039	14.00 - 14.15	Field Spectral Reflectance Measurement Distance Effect to the Mangrove Species (<i>Avicennia</i> sp.) Mapping	Tito Kanekaputra and Muhammad Kamal
228	14.15 - 14.30	Estimation of Aboveground biomass/ carbon stock and carbon sequestration using UAV images at Kebun Raya Unmul Samarinda (KRUS) education forest, East Kalimantan, Indonesia	MD A Hashem
229	14.30 - 14.45	Integrating Terrestrial Laser Scanner and UAV data to estimate AGB/ carbon stock in KRUS tropical rain forest, East Kalimantan, Indonesia	W B Tesfay

MODERATOR		Dr. Yackob Astor	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
052	15.00 - 15.15	Land Cover Changes Assessment Level Subpixel a Case Study of Tasikmalaya City Area Based on Multitemporal Landsat Imagery	Riki Ridwana, Projo Danoedoro, Sigit Herumurti, Shafira Himayah and Lili Somantri
004	15.15 - 15.30	EVI and NDWI of Landsat-8 for Identifying Growth Phase of Corn in Sumenep, East Java Province	Samsul Arifin, Tatik Kartika, Dede Dirgahayu and Kuncoro Teguh Setiawan
105	15.30 - 15.45	Minerals Targeting using Landsat-8 in Baturape area and it's surroundings, Gowa Regency, South Sulawesi Province, Indonesia	Ibnu Munzir, Ulva Ria Irfan, Ilham Alimuddin and Irzal Nur
220	15.45 - 16.00	Analysis of increasing TSS before and after reclamation activities in Jakarta Bay Using Landsat 8 Data	Ety Parwati and Syifa W. Adawiah

DAY 1 – TUESDAY, 17 SEPTEMBER 2019**TOPIC : TOPIC 1 – REMOTE SENSING APPLICATION****PLACE: TECHNICAL SESSION 2 - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Lalu Muhammad Jaelani, S.T., M.Sc., Ph.D.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
080	13.00 - 13.15	Post-Liquefaction Reconsolidation of Coastal Area in Talise Beach, Palu, Indonesia	Togi Tampubolon and Jeddah Yanti
031	13.15 - 13.30	Detecting Mangrove Deforestation Using Multi Land Use Land Cover Change Datasets: A Comparative Analysis in Southeast Asia	Sonny Adhitya Sudhana, Anjar Dimara Sakti, Ketut Wikantika, Luri Nurlaila Syahid, Bambang Irawan, Lilik Budi Prasetyo and Muhammad Kamal
013	13.30 - 13.45	Sentinel-1 based Wetland Identification to Support Regional Planning Review of Ogan Komering Ilir Regency	Budi Heru Santosa and Fiolenta Marpaung
206	13.45 - 14.00	Oil Palm Age Identification by using Sentinel-1 Data in Riau-Indonesia	Ita Carolita, Dede Dirgahayu, Tatik Kartika and Heru Noviar

MODERATOR		Lalu Muhammad Jaelani, S.T., M.Sc., Ph.D.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
156	14.00 - 14.15	Deforestation and Carbon Emissions at Poso Regency, Central Sulawesi Province, Indonesia	Jaka Suryanta, Turmudi Baniaman and Irmadi Nahib
108	14.15 - 14.30	Assessment of population exposure to estimated PM10 concentrations in Malaysia in 2000, 2008 and 2013	Ameerah Su'Ad Abdul Shakor, Muhammad Alfatih Pahrol and Mohamad Iqbal Mazeli

226	14.30 - 14.45	A Comparative Assessment on the Applicability of UAV and TLS for Estimating Aboveground Biomass of Mangrove Forest in Mahakam Delta, East Kalimantan, Indonesia	Md M Hossain
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MODERATOR		Laju Gandharum, M.Sc.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
034	15.00 - 15.15	Trial of Monitoring the Propagation Land Forest Fires and Smoke Distribution by Using Himawari-8 Satellite (Case Study: Central Kalimantan)	Gabriella Tania Adolong, Zadrach Ledoufij Dupe and Hana Listi Fitriana
164	15.15 - 15.30	Changes of Land Use Monitoring Within Forest Area	Cherie Pribadi and Teguh Hariyanto
233	15.30 - 15.45	Integrated Database Management System by Using Satellite Imagery for Disasters Along Southern Front of Himalaya	Mamoona Saher
200	15.45 - 16.00	Pattern of Spatial Distribution of Agricultural Drought Using Landsat Imagery 8 OIL/TIRS in Bacukiki District City of Parepare	Ayi Priana and Andy Nugroho

DAY 1 – TUESDAY, 17 SEPTEMBER 2019**TOPIC : TOPIC 4 – DATA PROCESSING, ANALYSIS, AND MODELLING****PLACE: TECHNICAL SESSION 3 - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Dr. Nurjannah Nurdin	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
015	13.00 - 13.15	Machine Learning Approach for Peatland Delineation Using Multi-sensor Remote Sensing Data in Ogan Komering Ilir, South Sumatera Province	Dionysius Sencaki, Hari Prayogi, Siti Arfah and Teguh Piyanto
010	13.15 - 13.30	Acquisition Programming Integration of Image Satellites in LAPAN	Ogi Gumelar, Destri Yanti Hutapea, Siti Desty Wahyuningsih and Haris Suka Dyatmika
027	13.30 - 13.45	Window Image Matching Size Determination for Geometric Accuracy Test of High and Very High Resolution Images	Sukentyas Estuti Siwi, Mulia Inda Rahayu, Randy Prima Brahmantara, Fadila Muchsin, Yudhi Prabowo, Kurnia Ulfa, Marendra Eko Budiono, Destri Yanti Hutapea, Choirun Nissa Rangkuti and Ratih Dewanti
041	13.45 - 14.00	Automatic Aura Remote Sensing Satellite Data Acquisition System	Olivia Maftukhaturrizqoh and Budhi Gustiandi

MODERATOR		Dr. Nurjannah Nurdin	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
045	14.00 – 14.15	GEOBIA for Mangrove Mapping Using UAV-Modified NIR 1 Camera Sensor	Nurul Khakhim, Arief Wicaksono, Wahyu Lazuardi and Zulfikri Isnaen
058	14.15 - 14.30	Design of Automate SAR Processing System in LAPAN to Support Easier and Fast Data Services	Marendra Eko Budiono, Haris Suka Dyatmika, Novie Indriasari, Qonita Amriya, Rahmat Arief, Rachmat Maulana and Shadiq Ali
062	14.30 - 14.45	LiDAR Application of Intertidal Coastal Zoning for Aquaculture in Wolo, Kolaka, Southeast Sulawesi	Sofi Ulfiasari and Sari Dwika Ratri

MODERATOR		Anang Wahyu Sejati, S.T., M.T.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
074	15.00 - 15.15	Remote Sensing Capabilities on Land Subsidence and Water Disaster Studies	Heri Andreas, Hasanuddin Zainal Abidin, Dina Anggreni Sarsito and Dhota Pradipta
094	15.15 - 15.30	Impervious land extraction and urban development potential evaluation	Junjun Wu and Qinhua Liu
082	15.30 - 15.45	Comparing The Use of Majority Rules in Simple Object-Based Image Classification and Post-Classification Filtering	Projo Danoedoro
140	15.45 - 16.00	Building Footprint Extraction from Lidar Data	Mochamad Irwan Hariyono, Fahrul Hidayat and Danang Budi Susetyo

DAY 1 – TUESDAY, 17 SEPTEMBER 2019**PLACE: AUDIO VISUAL - DAYANG SUMBI HALL ITENAS BANDUNG**

TIME	TITLE	PRESENTER
13.00 - 13.15	Workshop Google Earth Engine by IIS – University of Tokyo	Dr. Prakhar Misra
13.15 - 13.30		
13.30 - 13.45		
13.45 - 14.00		
14.00 - 14.15		
14.15 - 14.30		
14.30 - 14.45		
TIME	TITLE	PRESENTER
15.00 - 15.15	Sertification Try Out	LSP-MAPIN
15.15 - 15.30		
15.30 - 15.45		
15.45 - 16.00		

DAY 2 – WEDNESDAY, 18 SEPTEMBER 2019
PLACE: MAIN HALL - DAYANG SUMBI HALL ITENAS BANDUNG

NO	TIME	TITLE	SPEAKER	MODERATOR
1	08.30 - 09.45	Keynote Speaker - Indonesia	Prof. Dewayany Sutrisno	Dr. Samsul Bahri
		Keynote Speaker - Taiwan	Prof. Chao-Hung Lin	
2	09.45 - 10.00	Coffee Break	-	-
3	10.00 - 12.00	Keynote Speaker - China	Li Zhang, Ph.D.	Dr. Yuliana Susilowati
		Keynote Speaker - Japan-Indonesia	Prof. Josaphat Tetuko	
		Keynote Speaker - Thailand	Tanakorn Sritarapipat, Ph.D.	

MODERATOR	Dr. Firman Hadi	
TIME	TITLE	PRESENTER / AUTHOR(S)
13.00 - 13.15	Axel Space	Dr. Yasu
13.15 - 13.30		
13.30 - 13.45	Maxar	Yvonne
13.45 - 14.00		
14.00 - 14.30	Poster Session 3	Poster Presenters
14.30 - 15.00	Poster Session 4	Poster Presenters

DAY 2 – WEDNESDAY, 18 SEPTEMBER 2019**POSTER SESSION 3****PLACE: MAIN HALL - DAYANG SUMBI HALL ITENAS BANDUNG**

ID	TIME	TITLE	PRESENTER / AUTHOR(S)
136	14.00 - 14.30	Determining The Zone of Potassium in Muria Mountain Using Landsat-8 Oli by Spectral Angle Mapper	Aska Zakiya, Mutiari Rindianingrum and Nabilah Afifah Harahap
137		Landslide Susceptibility Map Using Geography Information System and Frequency Ratio Approach for Mitigation in Bialo Watersheds South Sulawesi Indonesia	Andang Suryana Soma, Usman Arsyad and Nurul Fadillah
139		Prototype of Remote Sensing Data and Information System based on Open Source Technology to Support Disaster Management	Muhammad Priyatna, Ahmad Sutanto and Taufik Hidayat
142		Evaluation of Institut Teknologi Bandung (ITB) Ganesa Waste Management Based on Geographic Information System (GIS)	Mutia Dewi Ariani, Deni Suwardhi and Riantini Vitriana
144		Assessment of Drought Using Standardized Precipitation Index and Normalized Difference Drought Index in Majalengka Regency, West Java	Arofah Arief Santoso, Eko Kusratmoko and Adi Wibowo
146		Three Dimensional Modelling of Isola UPI Building using Terrestrial Laser Scanner	Kurniawan Djamal, Gusti Ayu Jessy Kartini and Hary Nugroho
147		The Comparison of Point Cloud Registration Quality on Maptek I-Site Studio and Cloud Compare	Fathur Rahman, Gusti Ayu Jessy Kartini and Hary Nugroho

148	14.00 - 14.30	Identification of Soil Erosion Areas and Soil Conservation in the Ci Lutung Watershed Using the RUSLE Method	Restu Adjie, Eko Kusratmoko and Andry Rustanto
150		Investigation of Cartographical Aspect for Highway (Toll Road) Map (Case Study: Java Island)	Bugie Guntara and Soni Darmawan
153		Investigation of Relationship Between Age of Palm Oil and Spectral Reflectances Derived from Variety of Radar Data (Study Case : Asahan, North Sumatera)	Yohanes Kunto
157		Flood Rapidmapping in Konawe and North Konawe Southeast Sulawesi Province	Dadan Ramdani
158		Automatic Reconstruction of Building Openings In 3D Models using 2D Architecture Images	R Laksmiari Saraswati
159		Geometric Correction Model for Dual Sensor Pushbroom Aerial Camera	Donna Monica, Ahmad Maryanto and Hidayat Gunawan
161		Android Application Development for Unlivable Houses Data Collection Based on Participatory Mapping	Alfadila Anas and Dewi Kania Sari
163		Spatial Analysis of Urban Growth Based on City Center and Central Business District (A case study of Antananarivo, the capital city of Madagascar)	Fetranaiaina Dom Yvon Andrianirina Zo, Deliar Albertus and Harto Agung Budi
172		The Use of Sentinel-2 and ALOS PALSAR Data for Lithology Mapping in Dense Vegetation Environment Using Random Forest Machine Learning Algorithm, Case Study Komopa Region – Papua, Indonesia	Hary Nugroho, Ketut Wikantika, Satria Bijaksana and Asep Saepuloh

174	14.00 - 14.30	Type and Distribution Evaluation of Traffic Signs Using Video Tracking	Andri Riyanto, Henri Kuncoro and Sumarno
175		Identification of Oil Palm Using Multiscatter and Multiresolution of SAR Data (Study Case: Asahan, North Sumatera)	Anwar Ersyad Ananta and Soni Darmawan
177		Updating of Homecoming Routes Map 2019 (Study Case: Sumatera Island)	Nurul Huda Cantika and Soni Darmawan
178		Remote Sensing Data For Atlas of Volcanic Landscape Resources	Fakhruddin Mustofa, Mulyanto Darmawan, Amanah Anggun Prabandari and Zidni Farhati Silmi

DAY 2 – WEDNESDAY, 18 SEPTEMBER 2019**POSTER SESSION 4****PLACE: MAIN HALL - DAYANG SUMBI HALL ITENAS BANDUNG**

ID	TIME	TITLE	PRESENTER / AUTHOR(S)
183	14.30 - 15.00	Identification of Palm Oil Plantation Using Multispectral and Multiresolution of Optical Imagery (Case Study: Asahan Regency, North Sumatra Province)	Apriandi Kaban and Soni Darmawan
185		GIS-Based Bivariate Statistical Modelling for Landslide Susceptibility Mapping in Kayangan Watershed, Yogyakarta	Wahyu Nurbandi and Projo Danoedoro
191		Identification of Palm Oil Plantation Using Multispectral and Multiresolution of Optical Imagery (Case Study : Tabara and Tajati, Long Ikis, Paser Regency, North Kalimantan Province)	Eggy Urva Wahyuni and Soni Darmawan
193		Analysis of Lombok Island Strain Based on GNSS Observation Data 1996 - 2018	Ardita Hadi Pancanugroho and Henri Kuncoro
203		Weekly Sea Surface Temperature from SNPP-VIIRS Data Using Open Source Software	Maryani Hartuti, Arum Tjahjaningsih, Iskandar Effendy and Jansen Sitorus
204		Lombok Earthquakes using D-InSAR Techniques based on Sentinel 1A Data	Rian Nurtyawan and Muhammad Fachri Yulanda
205		Soil Moisture Estimation Using Dubois Model (1995) for Monitoring Phase of Padi Growth	Rian Nurtyawan and Ardianti Nur

208	14.30 - 15.00	Correlation Analysis of PM10 and PM2.5 Air Pollution with NDVI (Normalized Difference Vegetation Index) and TVDI (Temperature Dryness Index) Based on Landsat-8 and Sentinel-2A Satellite Images	Muhammad Reza Kusuma and Rika Hernawati
210		Detection of Urban Heat Island (Uhi) in Central Jakarta Based on Landsat Imagery	Masyita Hayatuddin and Rika Hernawati
213		The Effect of Building Density on Surface Temperature Based Landsat-8 in Bandung City, West Java, Indonesia	Dery Chahyanto and Rika Hernawati
224		Identification Asset Belitung Timur District Governance using Geospatial Information Approach	Fahrudin and Nurul Mustofa
232		Traffic Object Survey Using Smartphone (Comparative Study: DKI Jakarta and Bandung City)	Sumarno
238		Application Of Dem Terrasar-X To Prospecting Geothermal: Rajabasa Volcanic Complexs, Sumatra, Indonesia	Fitriani Agustin, Indra Sanjayaand Undang Hernawan
239		The Development of WebGIS for The Cultural Sites in Kotagede Sub-District combined with 360° Photosphere Visualization	Ni Luh Kompyang Sariani, Bambang Kun Cahyono, Dany Puguh Laksono, Djurdjani Wardaya and Gondang Riyadi
240		Relative Bathymetry Extraction Using SPOT 7 Satellite Imagery	Kuncoro Teguh S
245		Optimizing the Number of GCP Points (Ground Control Point) on the Orthorektification of Non Metric Aerial Photographs Using LAPAN Surveillance UAV-02	Nursugi and Gunawan Prabowo

DAY 2 – WEDNESDAY, 18 SEPTEMBER 2019**TOPIC: TOPIC 2 - GEOGRAPHIC INFORMATION SYSTEM (GIS)****PLACE: MAIN HALL - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Dr. L.M. Sabri	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
235	15.00 - 15.15	Risk Earthquake Estimation of Lembang Fault Earthquake Casualty in Coblong, Bandung, Indonesia	Irwan Meilano, Puti Nabila Riyadi and Akhmad Riqqi
060	15.15 - 15.30	Google Earth Engine Application for Estimating Changes in Water Surface Area of Lake Toba	Fahmi Aziz, Eko Kusratmoko and Masita Dwi Mandini Manessa
088	15.30 - 15.45	A New Chapter in Participatory Mapping in Indonesia	Franko Jhoner, Rahmat Kurniadi Dewantara and Fajar Harnowo
155	15.45 - 16.00	The Importance Of Geospatial Information	Totok Sedyantoro and Asep Karsidi

DAY 2 – WEDNESDAY, 18 SEPTEMBER 2019**TOPIC : TOPIC 1 – REMOTE SENSING APPLICATION****PLACE: TECHNICAL SESSION 1 - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Dr. Yackob Astor	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
196	10.00 - 10.15	Analyzing Mangrove Forest Changes in Coastal Zone of Langsa City Using Landsat Imagery	Ayu Suciani, M.Taufik Rahmadi and Zukya Rona Islami
197	10.15 - 10.30	Identify And Analysis Coral Reefs Changes Using Landsat 8 Oli Imagery In Coastal Zone Of Langsa City	M.Taufik Rahmadi, Ayu Suciani and Hamdani
043	10.30 - 10.45	The Effect Of Land Use Changes Towards Flood Peak In Sari Watershed Province West Nusa Tenggara	Rani Rahim Suryandari and Sudaryatno Sudaryatno
033	10.45 - 11.00	Spatial Distribution of Indonesian Lakes from Global Surface Water Dataset	Rossi Hamzah, Fajar Setiawan and Bunkei Matsushita

MODERATOR		M. Helmi, M.Sc.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
083	11.00 - 11.15	Analysis of Fire Occurrence and Relationships to Land Cover Changes in Indonesia's Peatlands from 2001 to 2018	Yenni Vetrta and Mark Cochrane
225	11.15 - 11.30	Estimating and mapping aboveground biomass/carbon stock using ALOS-2 PALSAR-2 of the mangrove forests in East Kalimantan, Indonesia	M K Nesha

231	11.30 - 11.45	Mangrove Biomass Estimation Based On Vegetation Height Through Lidar And Terrasar-X Data Approaches	Nanin Anggraini
086	11.45 - 12.00	Above-ground Carbon Stock Estimates of Rubber Plantation using Sentinel 2A Imagery: Case Study in PTPN IX Kebun Getas and Kebun Ngobo, Semarang Regency	Lalu Deden Yuda Pratama and Projo Danoedoro

MODERATOR		M. Helmi, M.Sc.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
107	13.00 - 13.15	Mapping Spatial Distribution of Total Suspended Sediment Considering Absolute and Relative Atmospheric Corrections	Maria Roswita Kartika Sari Bawono and Pramaditya Wicaksono
114	13.15 - 13.30	Remote Sensing Utilization for Zoning Analysis of Drought-prone Area in Indramayu Regency	Nandi, Dody Wibowo, Iwan Setiawan and Lili Somantri
145	13.30 - 13.45	Bathymetry Extraction of Empirical Models Using SPOT 7 Satellite Imagery	Kuncoro Teguh S, Masita D. M. Manessa and Surahman Surahman
211	13.45 - 14.00	Using Visible Spectral-Index As Alternative Methods For Identifying Levels Of Ganoderma Boninese Infection	Dhimas Wiratmoko, Retnadi Heru Jatmiko, Muhammad Arif Yusuf, Rana Farrasati and Agus Eko Prasetyo

MODERATOR		Dhimas Wiratmoko, M.Sc.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
026	14.00 - 14.15	Above Ground Carbon Stock Estimation Using WorldView-2 Imagery in Perancak Estuary, Bali	Dian Utari, Muhammad Kamal and Frida Sidik
129	14.15 - 14.30	Study Of Carbon Stocks Dynamic In Rawa Aopa Watumohai National Park (South East Sulawesi Indonesia) Using Combination Of Alos Palsar And Landsat Image In The Perspective Of Climate Change Mitigation	Laode M Golok Jaya, Sudarsono Sudarsono, Ika Purwanti Ningrum, Fitra Saleh and Ketut Wikantika
230	14.30 - 14.45	Estimating Aboveground Biomass/Carbon Stock and Carbon Sequestration using UAV (Unmanned Aerial Vehicle) images in the Mangrove Forests Mahakam Delta, East Kalimantan, Indonesia	E Kustiyanto

MODERATOR		Dhimas Wiratmoko, M.Sc.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
079	15.00 - 15.15	Karst Imaging of Mangkaihat in East Kalimantan; Insight from Landsat OLI 8, DEMNAS and Field Investigation	Fitriani Agustin, M.Luthfi Faturrohman and Sonia Rijani
111	15.15 - 15.30	Calculation of Rice Field Embankment Coefficient using High-Resolution Satellite Imagery	Heri Sutanta, Ajeng Gunawan and Yusuf Wibisono
012	15.30 - 15.45	Effect of Canopy Covers on Ultraviolet Intake in Coffee Leaf: A Preliminary Study Based on Spectral Analysis	Mochamad Firman Ghazali, Anggun Tridarwati and Ketut Wikantika
019	15.45 - 16.00	Trends on edaphic and microclimatic for Fe'i banana trees distribution in Padakembang village and Maluku islands. A remote sensing perspective	Mochamad Ghazali, Ketut Wikantika and Fenny M. Dwivanny

DAY 2 – WEDNESDAY, 18 SEPTEMBER 2019**TOPIC : TOPIC 3 – GNSS AND PHOTOGRAMMETRY****PLACE: TECHNICAL SESSION 2 - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Dr. Dudy D. Wijaya	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
202	10.00 - 10.15	A Precision Review of InaCORS Online Post Processing Service Compared with GNSS Scientific Software for Establishing Horizontal Reference Network (Case Study: Bandung, Java Island, Indonesia)	Rifqi Oktavianto and Henri Kuncoro
166	10.15 - 10.30	Monitoring Of Sultan Idris Shah Bridge Using Global Navigation Satellite System And Accelerometer	Masreta Mohd, Nazirah Mohamad, Othman Zainon, Zulhasdee Zulkifli, Nasarularifin Kamarudin and Khairul Khusairi Khalil
198	10.30 - 10.45	An Experience Of Digital Aerial Photogrammetry For Large Scale Mapping In Variation Terrain Area	Budhy Soeksmantono
070	10.45 - 11.00	Investigation Method for Shaded Coffee Plantation Detection using Aerial Photography	Anggun Tridawati, Mochamad Firman Ghazali, Ketut Wikantika, Agung Budi Harto, Rohayati Suprihatini and Ketut Tomy Suhari

MODERATOR		Dr. Dudy D. Wijaya	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
022	11.00 - 11.15	Deformation and instability at Merapi dome identified by high resolution camera	Herlan Darmawan, Pamungkas Yulianto, Wiwit Suryanto, Afif Rakhman and Agus Budi- Santoso
096	11.15 - 11.30	Geometry accuracy analysis of the three dimensional model using the close range photogrammetry method for conservation object of culture (Case Study: Cow Statue, Faculty of livestock, Diponegoro University)	Yudo Prasetyo, Nurhadi Bashit, Billy Silaen and Moehammad Awaluddin
006	11.30 - 11.45	Rapid Mapping for Disaster Recovery (Case Study: Petobo, Palu)	Zachary Afif, Willy Gomarga and Bambang Edhi Leksono
085	11.45 - 12.00	Study Of Earthquake Cycle Deformation in Matano Fault using GNSS And SAR Interferometry	Adnan Khairi, Moehammad Awaluddin and Yudo Prasetyo

DAY 2 – WEDNESDAY, 18 SEPTEMBER 2019**TOPIC : TOPIC 2 – GEOGRAPHIC INFORMATION SYSTEM (GIS)****PLACE: TECHNICAL SESSION 2 - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Laju Gandharum, M.Sc.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
165	13.00 - 13.15	GIS-Based Study of Groundwater Monitoring of Villages, Karhe Region, Maharashtra, India	Vaishali Navale and Sumedh Mhaske
115	13.15 - 13.30	Land Suitability Analysis Using Analytical Hierarchy Process And Geographic Information System For Coffea Arabica Linn. In Benguet Province, Philippines	Richard Dein Alvarez, Elvert Lucas, John Christian Pabustan, Cyrx Ermel Concepcion, Maricor Pabillaran, Jerome Maglinao and Alexandrio Ramirez
035	13.30 - 13.45	Analysis of dominant land cover class based on land change cluster pattern in West Java Province	Christopher Simanjuntak, Albertus Deliar and Riantini Virtriana
025	13.45 - 14.00	Land Suitability Analysis for Global Mangrove Rehabilitation and Restoration	Luri Nurlaila Syahid, Anjar Dimara Sakti, Riantini Virtriana, Wiwin Windupranata, Sonny Adhitya Sudhana, Felia Niwan Wilwatikta, Adam Irwansyah Fauzi and Ketut Wikantika

MODERATOR		Anang Wahyu Sejati, S.T., M.T.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
051	14.00 - 14.15	Stream Order Selection for Indonesian Topographic Map Generalization	Fahrul Hidayat, Nugroho Purwono, Danang Budi Susetyo, Mochamad Irwan Hariyono, Tia Rizka Nuzula Rachma and Rizka Windiastuti
190	14.15 - 14.30	GIS-Based Current Analysis and Efficiency Improvement of Building Water Supply Network	Amit Chaudhari and Abhaykumar Wayal
168	14.30 - 14.45	Land Use Change Mapping And Its Impact On Storm Water Runoff Using Remote Sensing And Gis: A Case Study Of Mumbai, India	Darshan Sansare and Sumedh Mhaske

MODERATOR		Anang Wahyu Sejati, S.T., M.T.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
167	15.00 - 15.15	The Effect Of Building Density On Land Surface Temperature,(Case Study:Turikale District,Maros Regency)	Muhammad Asyraf, Astrid Damayanti and Muhammad Dimyati
021	15.15 - 15.30	Study Of Spatio Temporal Traffic Congestion Characteristic In Special Region Of Yogyakarta Using Worldview-2 Imagery And Aerial Video	Arfin Fajar Ramadhan, Nur Aprilia Sulistyaningrum and Bowo Susilo
008	15.30 - 15.45	Driving-Factors Identification of Land-Cover Change in West Java Using Binary Logistic Regression Based on Geospatial Data	Udjianna Pasaribu, Riantini Virtriana and Albertus Deliar
057	15.45 - 16.00	Oil spill contingency plan (OSCP) by environmental sensitivity index (ESI) analysis at East Barito District, South Barito District and Kapuas District (Tamiang Layang, Buntok and surrounding area), Central Kalimantan Province	Undang Hernawan and Rahayu Kusuma Risdianto

DAY 2 – WEDNESDAY, 18 SEPTEMBER 2019**TOPIC : TOPIC 4 – DATA PROCESSING, ANALYSIS, AND MODELLING****PLACE: TECHNICAL SESSION 3 - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Anang Wahyu Sejati, S.T., M.T.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
098	10.00 - 10.15	An algorithm of The Fraction of Absorbed Photosynthetically-Active Radiation Based on GF-6 Satellite Remote Sensing Images	Li Li, Xiaozhou Xin and Hailong Zhang
160	10.15 - 10.30	Object Based Convolutional Neural Network for Cloud Classification in Very Hight-Resolution Hyperspectral Imagers	Rahmat Rizkiyanto, Bijak Rabbani, Didi Yudha Perwira and Aniati Murni Arymurthy
047	10.30 - 10.45	Habitat Suitability Modelling of Pasak Bumi (Eurycoma Longifolia Jack.) In Riam Kanan Conservation Forest Zone Using Sentinel-2 Biophysical Parameters	Abdi Fithria
184	10.45 - 11.00	Determining Location of Tsunami Disaster Temporary Evacuation Shelter (TES) Utilizes Network Analysis in City of Makassar, South Sulawesi Province	Feni Ismiati, Astrid Damayanti and Muhammad Dimiyati

MODERATOR		Dr. rer.nat. Dian N. Handiani	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
192	11.00 - 11.15	Object Detection of Aerial Image Using Mask-Region Convolutional Neural Network (Mask-R CNN)	Musyarofah
097	11.15 - 11.30	Topographic Correction on LAPAN-A3 Multispectral Image: An Initial Assessment	Zylshal Zylshal

009	11.30 - 11.45	Capability of Sentinel-1 Synthetic Aperture Radar Polarimetric Change Detection for Burned Area Extraction in South Kalimantan, Indonesia	Syamani Syamani
014	11.45 - 12.00	Modeling of Surface Roughness on Agriculture Area Using Radarsat-2 Satellite	Rian Nurtyawan, Agung Budiharto, Geta Ayu Ferdiyanti and Ketut Wikantika

MODERATOR		Dr. rer.nat. Dian N. Handiani	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
048	13.00 - 13.15	Development of Potential Fishing Zone Forecast in Indonesia using Satellite Observation	Armi Susandi, Destika Agustina Widiawan, Olgha Puspa Pandini, Mamad Tamamadin, Angga Fauzan Pratama, Aristyo Rahadian Wijaya, Irvan Faisal and Alvin Pratama
017	13.15 - 13.30	Land Cover Identification Using Pleiades Satellite Imagery By Comparison of NDVI and BSI Method in Jatinangor, West Java	Dwi Arini, Quinoza Guvil and Nur Wahidah
162	13.30 - 13.45	Improvement of Spatial Modeling for Online Geoprocessing on The Spacemap Urban Change Detection Model	Agnes Sondita Payani, Gusti Darma Yudha, Ogi Gumelar and Hanna Afida
050	13.45 - 14.00	Evaluation of Multitemporal Speckel Filtering for SENTINEL-1 Imagery	Novie Indriasari

MODERATOR		Dr. Agustan	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
078	14.00 - 14.15	A Preliminary Study on Machine Learning and Google Earth Engine for Mangrove Mapping	Muhammad Kamal, Nur Mohammad Farda, Ilham Jamaluddin, Artha Parela, Ketut Wikantika, Lilik Budi Prasetyo and Bambang Irawan
049	14.15 - 14.30	Validation of Suomi-NPP CrIS/ATMS CO2 Data Using Global Atmospheric In Situ Data	Muchamad Muchlis, Andy Indradjad, Budhi Gustiandi, Haris Suka Dyatmika and Wismu Sunarmodo
037	14.30 - 14.45	Evaluation of Atmospheric Correction Algorithms for Sentinel-2 Over Paddy Field Area	Kurnia Ulfa, Hendayani Hendayani, Masnita Oktavia, Kuncoro Pradono, Liana Fibriawati, Danang Candra, Fadila Muchsin and Kiki Damanik

MODERATOR		Dr. Agustan	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
038	15.00 - 15.15	Current Development of Community Satellite Processing Package (CSPP) to Support Near Real-time Remote Sensing Satellite Data Processing	Budhi Gustiandi and Donna Monica
075	15.15 - 15.30	Deforestation Detection using Multitemporal Satellite Images	Danang Surya Candra
063	15.30 - 15.45	Development of Frame Sample for Estimating Corn Crop Area	Lena Sumargana, Heri Sadmono and Swasetyo Yulianto
237	15.45 - 16.00	Utilization of Remote Sensing Satellite Data to Predict Future Cloud Cover in Indonesia: A Preliminary Study	Ahmad Luthfi Hadiyanto, Ketut Wikantika, Ary Setijadi Prihatmanto and Nurjanna Joko Trilaksono

DAY 2 – WEDNESDAY, 18 SEPTEMBER 2019**TOPIC: GEOMATICS SCIENTIFIC MEETING ON SPATIAL PLANNING AND DISASTER****PLACE: AUDIO VISUAL – DAYANG SUMBI HALL ITENAS**

ID	TIME	TITLE	PRESENTER / AUTHOR(S)
-	10.00 - 10.15	DBAR	Prof. Liao Jingjuan
-	10.15 - 10.30	DBAR	Dr. Riffat Mahmood
222	10.30 - 10.45	Utilization of Google Earth for flood hazards mapping in paddy fields, Bojongsoang District, Bandung Regency	Boedi Tjahjono, Khursatul Munibah, Sella As Kumala, Intan Rr Permata and Hiroyuki Wakabayashi
124	10.45 - 11.00	As-Built Drawing Determination Of Lfm Building Itb Using Terrestrial Laser Scanner	Irwan Gumilar, Taufiiqulhakim Rifqi Hawaari and Teguh Purnama Sidiq

ID	TIME	TITLE	PRESENTER / AUTHOR(S)
084	11.00 - 11.15	The Soputan's Deformation After Eruption in December 2018 by Using DInSar Method	Saiyidinal Fikri, Imam Satria Yudha and Mohammad Rohmaneo Darminto
219	11.15 - 11.30	A Correlation Analysis of the Relationship between Land Surface Temperature and Parameters Particulate Matter (Pm) 10 in Bandung City, Indonesia	Aab R. Abdullah and Rika Hernawati
212	11.30 - 11.45	Detection Of Shoreline Changes Based on Landsat Satellite Imagery Using Applications Digital Shoreline Analysis System (DSAS) (Case Study: Coastal District of Karawang)	Akhmad Setiabudi and Thonas Maryanto

059	11.45 - 12.00	The Effect of Land Cover Change to Urban Heat Island Phenomenon in 2007 – 2018 at North Cikarang Subdistrict, Bekasi Regency	Cecil Nadira Putri Ramadhan
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ID	TIME	TITLE	PRESENTER / AUTHOR(S)
181	13.00 - 13.15	Identification of Land Cover Changes in Mangrove Forest Areas Using Cellular Automata (Case Study: Kalimantan Island)	Apin Suyana and Soni Darmawan
180	13.15 - 13.30	Investigation of relationship between age palm oil and spectral reflectances derived from Variety of Optical Data (case study Tabara and Tajati in Paser Regency, East Kalimantan Province)	Muhammad Riski Deni Deni and Soni Darmawan
182	13.30 - 13.45	Investigation of relationship between age palm oil and spectral reflectances derived from variations of SAR data (Case Study: Tabara and Tajati in East Kalimantan)	Asparoni Herman and Soni Darmawan
176	13.45 - 14.00	Investigation of relationship between age palm oil and spectral reflectances derived from Variety Of Optical Data (Case Study : Asahan Regency, North Sumatra Province)	Adithia Rizky Prabowo and Soni Darmawan

DAY 2 – WEDNESDAY, 18 SEPTEMBER 2019**TOPIC: GEOMATICS SCIENTIFIC MEETING ON SPATIAL PLANNING AND DISASTER****PLACE: AUDIO VISUAL – DAYANG SUMBI HALL ITENAS**

ID	TIME	TITLE	PRESENTER / AUTHOR(S)
194	14.00 - 14.15	Position Precision Analysis Of The Dual Frequency Low Cost GPS Module Measurement With Static Differential Method In Various Baseline Length Variations	Muhammad Haris Jonas and Henri Kuncoro
199	14.15 - 14.30	Analysis of Subduction Zone Deformation in South East Java Based on 2009-2014 Gps Continue Observation Data	Rizki Ahmad Faturochman, Henri Kuncoro and Hary Nugroho
132	14.30 - 14.45	Image Processing Using CCTV's Surveillance With Edge Detection Methods And Advantage In Gis-Based Smart Parking Systems	Muhammad Dita Farel, Deni Suwardhi and Agung Budi Harto

ID	TIME	TITLE	PRESENTER / AUTHOR(S)
188	15.00 - 15.15	Updating of Homecoming Route Map 2019	Nadila Dwiyantri and Soni Darmawan
179	15.15 - 15.30	Development Geodatabase of Homecoming Route Map 2019. (Study Case: Java - Bali)	Sisca Ayu Purwanti and Soni Darmawan
170	15.30 - 15.45	Development of highway (toll road) Geodatabase in Java Island region	Leonardo Matasik and Soni Darmawan
173	15.45 - 16.00	Updating of Homecoming Route Map 2019 (Case Study : Java and Bali Island)	Arief Rahman Hakim and Soni Darmawan

DAY 3 – THURSDAY, 19 SEPTEMBER 2019

PLACE: MAIN HALL - DAYANG SUMBI HALL ITENAS BANDUNG

NO	TIME	TITLE	SPEAKER	MODERATOR
1	08.30 - 09.45	Keynote Speaker - Philippines	Dr. Gay Jane Perez	Dr. Dewi Kania Sari
		Keynote Speaker - Taiwan	Prof. Tian-Yuan Shih	
2	09.45 - 10.00	Coffee Break	-	
3	10.00 - 12.00	Talk Show (The Future of Human Resources on Remote Sensing)	Prof. Bangun Muljo	Prof. Ketut Wikantika
			Prof. Projo Danoedoro	
			Prof. Lilik Prasetyo	
4	12.00 - 13.00	Lunch	-	
5	13.00 - 14.45	Talk Show (The Future of Technology on Remote Sensing)	Prof. Fahmi Amhar	Dr. Dodi Sukmayadi/Dr. Soni Darmawan
			Dr. Doni Kushardono	
			Dr. Agustan	
6	15.00 – 16.00	Closing Ceremony	Committee	Novita Dewi, Firmanto & Fauzan

DAY 3 – THURSDAY, 19 SEPTEMBER 2019**TOPIC : TOPIC 1 – REMOTE SENSING APPLICATION****PLACE: TECHNICAL SESSION 1 - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Dr. Bitta Pigawati	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
018	10.00 - 10.15	Estimation above-ground biomass and carbon stock of Kuala Sepetang mangrove forest reserve using allometry and remote sensing technique	Mohd Hasmadi Ismail, Muhd Ekhzarizal Muhd Ekhzarizal Mohd Eusop and Pakhriazad Hassan Zaki
100	10.15 - 10.30	The Effects of DEM Specification on Watershed Model in Mataram City, West Nusa Tenggara Province	Danang Budi Susetyo, Nugroho Purwono and Ati Rahadiati
106	10.30 - 10.45	Application of Vegetation Health Index (VHI) to Identify Distribution of Agricultural Drought in Indramayu Regency, West Java	Asma Zuhro, Mangapul Parlindungan Tambunan and Kuswantoro Marko
121	10.45 - 11.00	Utilization of Landsat Imagery for Monitoring The Development of Bandar Lampung City	Lili Somantri

MODERATOR		Dr. Bitta Pigawati	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
127	11.00 - 11.15	Remote Sensing As A Tool of Regenerating Water Investment in Semarang City	Yosef Prihanto, Raldi Koestoer and Nadya Oktaviani
133	11.15 - 11.30	Urban Heat Island In Megacity In Indonesia Based On Thermal Infrared Remote Sensing	Gumilar Utamas Nugraha and Andi Agus Nur
149	11.30 - 11.45	Determining Recharge Groundwater Using Deliniation Of Morphological Surface In	Rizka Maria, Ananta Purwoarminta, and Hilda Lestiana

		Ligarmukti Karst Area Bogor Regency	
234	11.45 - 12.00	The Relationship Between Night Time Light And Population In 2000 And 2015 In The Java Island	Anika Putri, Mutia Kamalia Mukhtar, Ratri Widyastuti, Masita Dwi Mandini, Supriatna Supriatna and Yoanna Ristya

MODERATOR		Dr. Wikanti Asriningrum	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
016	13.00 - 13.15	The Effect of using Different Vegetation Indices for Mangrove Leaf Area Index Modelling	Aldo Restu Agi Prananda, Muhammad Kamal and Denny Wijaya Kusuma
028	13.15 - 13.30	Application of Remote Sensing and Analytical Hierarchy Process (AHP) for developing Landslide Vulnerability Zone in Boja District Kendal Regency Central Java Province	Sinatrya Diko Prayudi, Devina Trisnawati, Thomas Triadi Putranto and Najib
189	13.30 - 13.45	Investigation of Paddy Field Classification using Multitemporal Analysis Landsat 8 Data of Rice Phenology-based (Case Study of North Coast, West Java)	Dede Dirgahayu and I Made Parsa
134	13.45 - 14.00	Analysis of the Effect of Land Use on Surface Temperature and Its Relationship with Urban Heat Island Phenomena Using Remote Sensing Methods in Bandar Lampung City	Afrida Gitawardani, Bambang Edhi Leksono and Nurul Qamilah

MODERATOR		Dr. Wikanti Asriningrum	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
053	14.00 - 14.15	Prediction and Location Feasibility of Settlement Growth at The BWK II of Semarang City	Bitta Pigawati, Agung Sugiri, I Nyoman Ary Mandhara Putra and Tia Adelia Suryani
187	14.15 - 14.30	Application of Sentinel-2 to Identify Indications Land Cover Changes 2017-2018	Rizatus Shofiyati, Fita Anggraini Yuliana and Wahyu Supriatna
036	14.30 - 14.45	Detecting Floodwater in Urban Areas using Sentinel-1 Synthetic Aperture Radar Imagery, with Bengkulu Flooding as A Test Case	Zulfikar Adlan Nadzir, Lea Kristi Agustina and Nirmawana Simarmata

DAY 3 – THURSDAY, 19 SEPTEMBER 2019**TOPIC : TOPIC 5 – TECHNOLOGY ADVANCEMENT****PLACE: TECHNICAL SESSION 2 - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Dr. Lily Soemantri	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
143	10.00 - 10.15	Comparative Study of 3D Geographic Information System and Building Information Modeling for Facility Management	Kavita Nur Fadhila, Deni Suwardhi and Shafarina Wahyu Trisyanti
061	10.15 - 10.30	Precise Topographic Mapping Using Direct Georeferencing in UAV	Agung Syetiawan, Herjuno Gularso, Giri Iryan Kusnadi and Gian Nugraha Pramudita
131	10.30 - 10.45	Long-term Secchi Disk Depth from Landsat TM and ETM+ in Indonesian Lakes using Google Earth Engine	Rossi Hamzah, Fajar Setiawan and Bunkei Matsushita
122	10.45 - 11.00	Suitability Model using Support Vector Machine for Land Use Planning Scenarios in Java Island, Indonesia	Sitarani Safitri, Irawan Sumarto, Akhmad Riqqi, Albertus Deliar, Dini Norvyani and Jesika Taradini

MODERATOR		Dr. Lily Soemantri	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
209	11.00 - 11.15	SAR Sentinel-1: Mitigation strategies for Earth's surface displacements in Aceh, Indonesia	Jefriza Jefriza, Habibah Lateh, Ismail Ahmad Abir, Izham Mohammad Yusoff, Saumi Syahreza, Pakhrul Razi and Muhammad Rusdi
117	11.15 - 11.30	Determining Variations In Public Transport Access Using Gis In Klang Valley City, Selangor, Malaysia	Shahrul Syukri Yahya and Edie Ezwan Mohd Safian
141	11.30 - 11.45	Development Of Landsat/LDCM Data Acquisition System Integration Base On Virtual Ground Station In Order To Provide National Intermediate Resolution Remote Sensing Data	Hidayat Gunawan, Wismu Sunarmodo, Nurmajid Setyasaputra, Kuncoro Adipradono and Ayom Widiapaminto
195	11.45 - 12.00	Microwave Wind Speed Estimation In Tropical Cyclone Condition	Syarawi Muhammad Husni Mohd Sharoni and Mohd Nadzri Md. Reba

MODERATOR		Dr. Yudo Prasetyo	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
201	13.00 - 13.15	The classification of oil palm plantations derived from Landsat 8 OLI images using Google Earth Engine	Sri Mulyati, Iksal Yanuarsyah and Sahid Hudjimartsu
120	13.15 - 13.30	Characterization Of Groundwater Basin Using Satellite Gravity Data: A Case Study From Lombok Island	Gumilar Utamas Nugraha
207	13.30 - 13.45	Application of Interferometric SAR using Sentinel-1A for Flood Monitoring in South of Sulawesi, Indonesia	Jefriza Jefriza, Habibah Lateh, Izham Muhamad Yusoff, Ismail Ahmad Abir, Saumi Syahreza, Pakhrul Razi and Muhammad Rusdi
223	13.45 - 14.00	Evolution of Remote Sensing : What's next?	Abhineet Jain

MODERATOR		Dr. Yudo Prasetyo	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
093	14.00 - 14.15	Utilization of Google Map for depicting landslide pattern in Indonesia	Sukristiyanti, Ketut Wikantika, Imam Sadisun, Lissa Yayusman and Pamela
186	14.15 - 14.30	Development of Paddy Pest and Disease Mapping Using Interpolation and Drone Image Method Employing Photo-Radiometric and Legal Observation Approached Data	Baba Barus, Laode Ls Iman, Bambang Hendro Ts and Chiharu Hongo
101	14.30 - 14.45	Recent Developments and Outlook for Terrestrial and Maritime Applications of Spaceborne SAR Data	Marco van der Kooij

DAY 3 – THURSDAY, 19 SEPTEMBER 2019**TOPIC : TOPIC 4 – DATA PROCESSING, ANALYSIS, AND MODELLING****PLACE: TECHNICAL SESSION 3 - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Dr. Budhy Soeksmantono	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
007	10.00 - 10.15	Land Change Modeler For Predicting Land Cover Change in Banjarmasin City South Borneo at 2014 - 2022	Prama Aryaguna and Aswin Saputra
109	10.15 - 10.30	Assessment of population exposure to PM10 for respiratory disease mortality in Malaysia	Muhammad Alfatih Pahrol, Wan Rozita Wan Mahiyuddin and Mohamad Iqbal Mazeli
171	10.30 - 10.45	Spatial Analysis of Deforestation in Water Recharge Areas of The Toyaning Sub-Watershed As A Drought Mitigation Effort	Hanri Bawafi, Tito Latif Indra and Astrid Damayanti
066	10.45 - 11.00	Assessing the Effect of Various Training and Testing Set Ratios to Model the Satellite Derived Bathymetry	Ratna Sari Dewi, Yustisi Lumban-Gaol, Ayu Nur Safi'i, Aldino Rizaldy, Agung Syetiawan and Ati Rahadiati

MODERATOR		Dr. Budhy Soeksmantono	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
073	11.00 - 11.15	A Study of DEM generation from Ascending and Descending Path in Urban Area	Rahmat Arief and Haris Suka Dyatmika
151	11.15 - 11.30	Spatial Modeling of Peat Land Fire-Based Anthropogenic Case Study of The Kepulauan Meranti District	Turmudi Turmudi, Dewayany Sutrisno and Irmadi Nahib

068	11.30 - 11.45	Spatial correlation between the distribution of land/forest fires and the local activities of villagers in Ogan Komering Ilir, South Sumatera	Hartanto Sanjaya, Gatot Fajar Suryono, Azalea Eugenie and Ati Dwi Nurhayati
138	11.45 - 12.00	Multi Data Digital Terrain Model For Waterlogging Analysis In Institut Teknologi Bandung Ganesha Campus	Kamal Nur Fauzan, Deni Suwardhi and Irwan Gumilar

MODERATOR		G. A. Jessy K., M.T.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
135	13.00 - 13.15	Filtering DSM Extraction from Wordview Images to DTM Using Open Source Software	Catur Aries Rokhmana and Ahmad Ridho Sastra
236	13.15 - 13.30	Prediction of Potential Fishing Zones for Mackerel Tuna (Euthynnus sp) in Bali Strait using Remotely Sensed Data	Achmad Fachruddin-Syah, Laras Wulan Ramdani and Komang Iwan-Suniada
076	13.30 - 13.45	Hydrogeology Disaster Analysis as Recommendation for Spatial Planning Review Document Ogan Komering Ilir, South Sumatera	Mega Noverishka Putri, Hari Priyadi, Muhammad Dayuf Jusuf, Syaefudin Syaefudin and Hari Prayogi
055	13.45 - 14.00	Early study of magnetic permeability and magnetic susceptibility of peat in Ogan Komering Ilir, South Sumatera, Indonesia	Anisah Anisah, Fiolenta Marpaung, Andri Purwandani, Djoko Nugroho and Lena Sumargana

MODERATOR		Monica Maharani, M.Eng.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
032	14.00 - 14.15	Calculation of Total Economic Value of Peatland Burnt Area in Pangkalan Lanpam Subdistrict, Ogan Komering Ilir (OKI) South Sumatera Province	Tiara Grace, Riissiyani Riissiyani, Anisah Anisah and Dionysius Sencaki
065	14.15 - 14.30	Effect of Peat Thickness on the Occurrence of Forest and Land Fires in OKI Regency, South Sumatra	Afifuddin, Sumirah and Djoko Nugroho
071	14.30 - 14.45	Peat Depth Mapping in Penyabungan area, Ogan Komering Ilir (OKI) Regency using GPR (Ground Penetrating Radar)	Sumirah, Lena Sumargana, Djoko Nugroho and Afifuddin

DAY 3 – THURSDAY, 19 SEPTEMBER 2019

TOPIC: GNSS AND PHOTOGRAMMETRY

PLACE: AUDIO VISUAL - DAYANG SUMBI HALL ITENAS BANDUNG

MODERATOR		G. A. Jessy Kartini, M.T.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
128	10.00 - 10.15	Development of Mangrove Forest Geodatabase in Indonesia	Yusuf Hary Saputro and Soni Darmawan
221	10.15 - 10.30	The Algorithm Models of Pm10 Air Pollutant Based on Landsat Satellite Imagery in Bandung City	Rika Hernawati and Soni Darmawan
243	10.30 - 10.45	Identification of Photo Number Effect for 3D Modeling In Agisoft Software	Monica Maharani and Anna Charieninna
091	10.45 - 11.00	Analysis of GNSS Kinematic Precision by Using TRACK Software in Various Baseline Lengths	Henri Kuncoro

DAY 3 – THURSDAY, 19 SEPTEMBER 2019**TOPIC: DATA PROCESSING, ANALYSIS, AND MODELLING****PLACE: AUDIO VISUAL - DAYANG SUMBI HALL ITENAS BANDUNG**

MODERATOR		Monica Maharani, M.Eng.	
ID	TIME	TITLE	PRESENTER / AUTHOR(S)
169	11.00 - 11.15	The Evaluation of Changes in Land Values at Wonorejo Mangrove Tourism Area (Case Study: Rungkut Sub-district, Surabaya District)	Udiana Wahyu Deviantari, Yanto Budisusanto and Yaasmiin Pratita Apsari
005	11.15 - 11.30	Study of Base Map and Marine Thematic Map Usage to Make Coastal Waters Location Permits Map in Coastal Waters and Small Islands (Study Area: Maratua Island, East Kalimantan)	Santi Azzahrah, Yackob Astor and Muhandis Sidqi
119	11.30 - 11.45	Correlation Analysis of Satellite Based Mangrove Index and Mangrove Forest Health at Segara Anakan Cilacap, Central Java, Indonesia	Gathot Winarso, Muhammad Kamal, M. Syamsu Rosid, Wikanti Asriningrum and Jatna Supriatna
152	11.45 - 12.00	Suitability of Space Utilization Settlement Coastal Areas in Abeli and Nambo Subdistricts Kendari City, Southeast Sulawesi Province	M Aris Rauf, Hasbullah Syaf and Muslim Tadjuddah

ID	TIME	TITLE	PRESENTER / AUTHOR(S)
-	13.00 - 13.15	MAPIN CONGRESS	Comittee
-	13.15 - 13.30		
-	13.30 - 13.45		
-	13.45 - 14.00		

ID	TIME	TITLE	PRESENTER / AUTHOR(S)
-	14.00 - 14.15	MAPIN CONGRESS	Comittee
-	14.15 - 14.30		
-	14.30 - 14.45		