

SURAT KETERANGAN
MELAKUKAN KEGIATAN PENGABDIAN KEPADA MASYARAKAT
INSTITUT TEKNOLOGI NASIONAL
No. 628/C.02.01/LPPM/X/2021

Yang bertanda tangan di bawah ini,

Nama : Iwan Juwana, S.T., M.EM., Ph.D.
Jabatan : Kepala
Unit Kerja : LPPM-Itenas
JL. P.K.H. Mustafa No.23 Bandung

Menerangkan bahwa,

Nama	NPP	Jabatan
Dr. Soni Darmawan, S.T., M.T.	20130201	Narasumber

Telah melakukan kegiatan Pengabdian kepada Masyarakat sebagai berikut:

Nama Kegiatan : Webinar Pre-Conference APSAR 2021: Talkshow Pengindraan Jauh Indonesia
Tempat : Webinar/Video Conference
Waktu : 26 Februari 2021
Sumber Dana : APSAR

Demikian surat keterangan ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Bandung, 08 Oktober 2021

Lembaga Penelitian dan Pengabdian
kepada Masyarakat (LPPM) Itenas
Kepala,

Iwan Juwana, S.T., M.EM., Ph.D.
NPP. 20010601



SURAT TUGAS
No. 106/J.16.01/LPPM-Itenas/II/2021

Yang bertanda tangan dibawah ini,

Nama : Iwan Juwana, S.T., M.EM., Ph.D.
Jabatan : Kepala
Unit Kerja : LPPM-ITENAS
JL. PHH Mustafa No. 23 Bandung

Menerangkan bahwa :

Nama	NPP	Jabatan
Dr. Soni Darmawan, S.T., M.T.	20130201	Dosen

Ditugaskan untuk melakukan,

Kegiatan : Webinar Pre-Conference APSAR 2021: Talkshow Pengindraan Jauh Indonesia
Sebagai : Narasumber
Tempat : Webinar/ *Video Conference*
Waktu : 26 Februari 2021

Demikian surat tugas ini dibuat untuk dipergunakan sebagaimana mestinya.

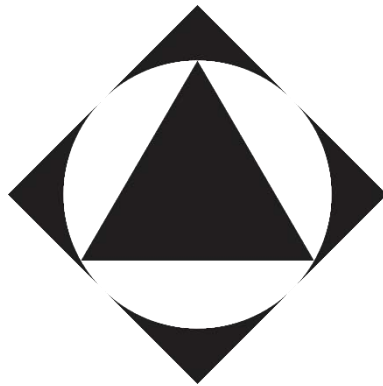
Bandung, 25 Februari 2021

Lembaga Penelitian dan Pengabdian
kepada Masyarakat (LPPM) Itenas
Kepala,

Iwan Juwana, S.T., M.EM., Ph.D.
NPP. 20010601

LAPORAN KEGIATAN PENGABDIAN PADA MASYARAKAT

LPPM ITENAS



**NARASUMBER WEBINAR PRE-CONFERENCE APSAR 2021: TALKSHOW
PENGINDRAAN JAUH INDONESIA**

Oleh:

Dr. Soni Darmawan, S.T., M.T.

NIDN. 0412017610.

**FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
INSTITUT TEKNOLOGI NASIONAL
BANDUNG
2021**

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BAB 1

PENDAHULUAN

1.1. Latar Belakang

Asia-Pacific Conference on Synthetic Aperture Radar (APSAR) mengadakan sosialisasi online dalam rangka mengenalkan atau mensosialisasikan mengenai teknologi pemanfaatan penginderaan jauh serta aplikasinya. Kegiatan sosialisasi ini dinamakan Pre-Conference APSAR 2021: Talkshow Penginderaan Jauh Indonesia yang dilaksanakan secara virtual pada Hari Jum'at, 26 Februari 2021. Tujuan dari pelaksanaan kegiatan Talkshow ini adalah untuk mensosialisasikan perkembangan penelitian, pemanfaatan, dan teknologi penginderaan jauh yang dilakukan oleh para peneliti di bidang Penginderaan Jauh.

Pada kegiatan talkshow ini, mengundang para ahli di bidang penginderaan jauh di Indonesia diantaranya:

1. Dr. Soni Darmawan, Dosen Teknik Geodesi, Itenas Bandung.
2. Dr. M. Rokhis Khomarudin, Kepala Pusfatja LAPAN.
3. Dr. Firman Hadi, Dosen Teknik Geodesi, UNDIP.
4. Dr. Laode M Golok Jaya, Dosen Teknik, Universitas Halu Oleo Kendari.
5. Fabian Surya, Ph.D, The Chinese University of Hongkong.
6. Dr. Rizatus Shofiyati, Badan Litbang Pertanian, Kementrian Pertanian.

Pada kesempatan talkshow ini tema yang akan dipaparkan oleh Dr. Soni Darmawan yaitu mengenai Pemanfaatan Teknologi Penginderaan Jauh Dalam Penyiapan Informasi Geospasial Dasar dan Tematik.

1.2. Tujuan

Tujuan dari kegiatan sosialisasi ini adalah:

- Mensosialisasikan perkembangan pemanfaatan teknologi penginderaan jauh dan aplikasinya.
- Memberi gambaran mengenai peran teknologi secara umum dan teknologi secara umum dan teknologi penginderaan jauh.

BAB 2

TARGET LUARAN

.

Luaran yang akan dihasilkan pada kegiatan ini yaitu berupa bahan sosialisasi pemanfaatan pengindraan jauh.

BAB 4

MANFAAT DAN DAMPAK KEGIATAN

Manfaat yang didapatkan pada kegiatan ini adalah mensosialisasikan perkembangan pemanfaatan teknologi pengindraan jauh dan aplikasinya.

Dampak kegiatan PKM ini dapat menghasilkan *updating* ilmu pengetahuan dan teknologi terkini di bidang pengindraan jauh.

BAB 5

METODE PELAKSANAAN DAN EVALUASI

Mekanisme Pelaksanaan:

Webinar CRS ini dilaksanakan melalui kanal konferensi video ZOOM, pada hari Jum'at tanggal 26 Februari 2021 pukul 13.30-16.00 WIB. Tema pada webinar talkshow ini adalah **Pre-Conference APSAR 2021: Talkshow Pengindraan Jauh Indonesia.**

Sasaran Peserta

Kegiatan sosialisasi ini mempunyai sasaran peserta diantaranya mahasiswa, akademisi, dan umum.

BAB 6
TIM PENGUSUL SERTA URAIAN TUGAS

Tim pengusul dalam kegiatan ini berjumlah 1 orang

Tabel .1. Tim Pengusul dan Uraian Tugas

No.	Nama Anggota Tim	Keahlian dan Tugas
1	Dr. Soni Darmawan, M.T.	Penyaji/ Narasumber dengan judul materi Pemanfaatan Teknologi Pengindraan Jauh Dalam Penyiapan Informasi Geospasial Dasar dan Tematik.

BAB 7 PENUTUP

Demikian proposal ini sebagai bahan pertimbangan untuk kegiatan PKM Narasumber **Pre-Conference APSAR 2021: Talkshow Pengindraan Jauh Indonesia**.

LAMPIRAN



APSAR 2021

Pre Conference APSAR 2021 Talkshow Penginderaan Jauh Indonesia

Jumat, 26 Februari 2021 | 13.30 - 16.00 WIB

Pembukaan

Keynote Speaker



Prof. Thomas Djamaluddin
Kepala Lembaga Penerbangan dan
Antarksa Nasional (LAPAN)

Pembicara



Dr. Soni Darmawan
Departemen Teknik Geodesi
Institut Teknologi Nasional, Bandung



Dr. M. Rokhis Khomarudin
Kepala Pusat Pemanfaatan
Penginderaan Jauh LAPAN



Dr. Firman Hadi
Departemen Teknik Geodesi
Universitas Diponegoro



Dr. Laode M. Golok Jaya
Fakultas Teknik
Universitas Halu Oleo Kendari



Prof. Josaphat Tetuko
General Chair of APSAR 2021
Chiba University



Prof. Ketut Wikantika
General Co-Chair of APSAR 2021
Institut Teknologi Bandung



Fabian Surya P., Ph.D
Institute of Space and Earth
System Science
The Chinese University
of Hong Kong



Dr. Rizatus Shofiyati
Balai Besar Litbang Sumberdaya
Lahan Pertanian
Badan Litbang Pertanian
Kementerian Pertanian

Moderator



Rika Hernawati, S.T., M.T.
Departemen Teknik Geodesi
Institut Teknologi Nasional, Bandung



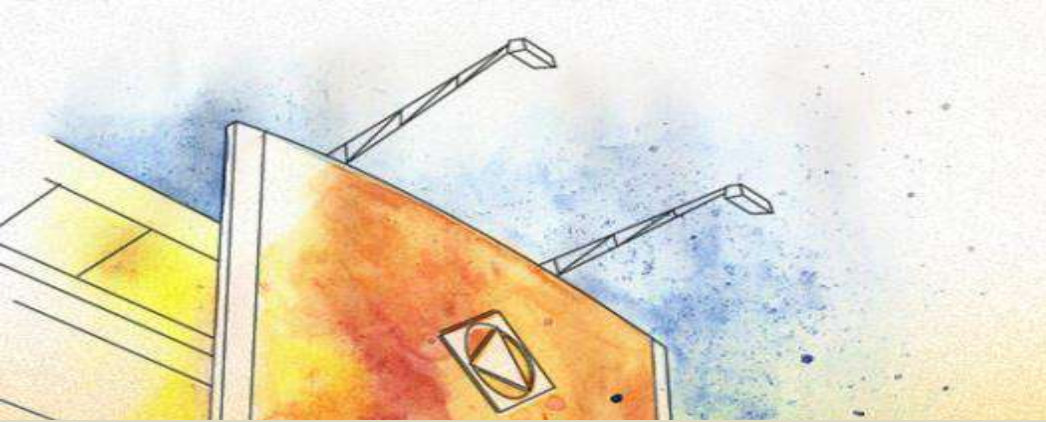
Meeting ID: 848 3726 0713
Passcode: 123456



https://youtu.be/ED_WRTk8kj8

Peserta mendapatkan e-sertifikat





Teknologi Penginderaan Jauh (PJ) dalam Penyiapan Informasi Geospasial Dasar dan Tematik



Dr. Soni Darmawan

Program Studi Teknik Geodesi – Itenas Bandung
Jl. PKH. Hasan Mustapa No. 23 Bandung 40124
Telp. +62-22-7272215, Fax.+62-22-7202892

www.itenas.ac.id

Amanah UU : Peluang penelitian PJ sangat “terbuka”



UU No. 21 tahun 2013
Keantariksaan

.....



Permen No. 11 tahun 2018
**Tatacara penyelenggaraan
kegiatan penginderaan jauh**

.....



Perpres No. 39 Tahun 2019
Satu Data Indonesia

UU No. 4 tahun 2011
Informasi Geospasial



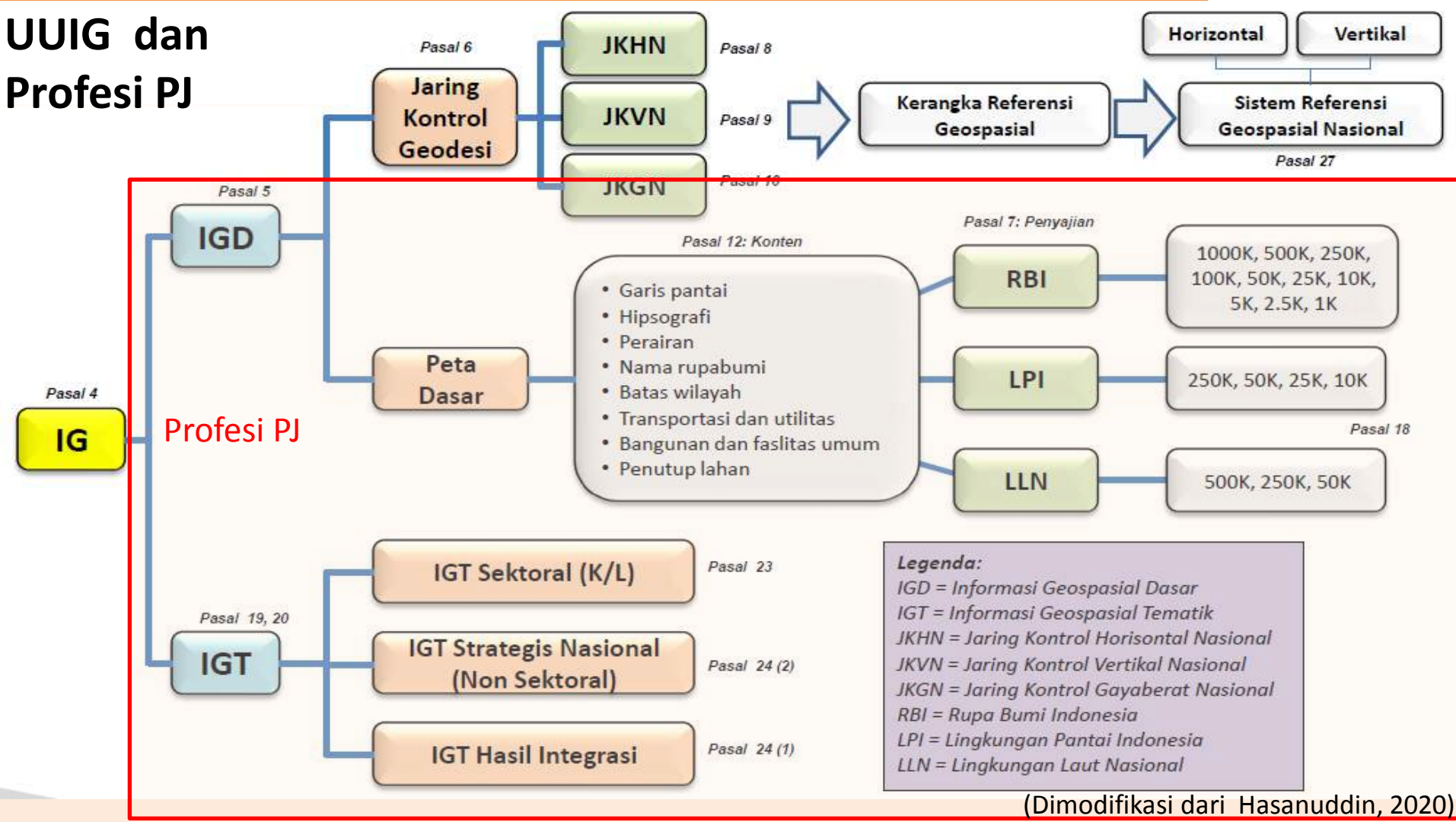
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Perpres No. 9 tahun 2016
Kebijakan Satu Peta



.....

UUIG dan Profesi PJ

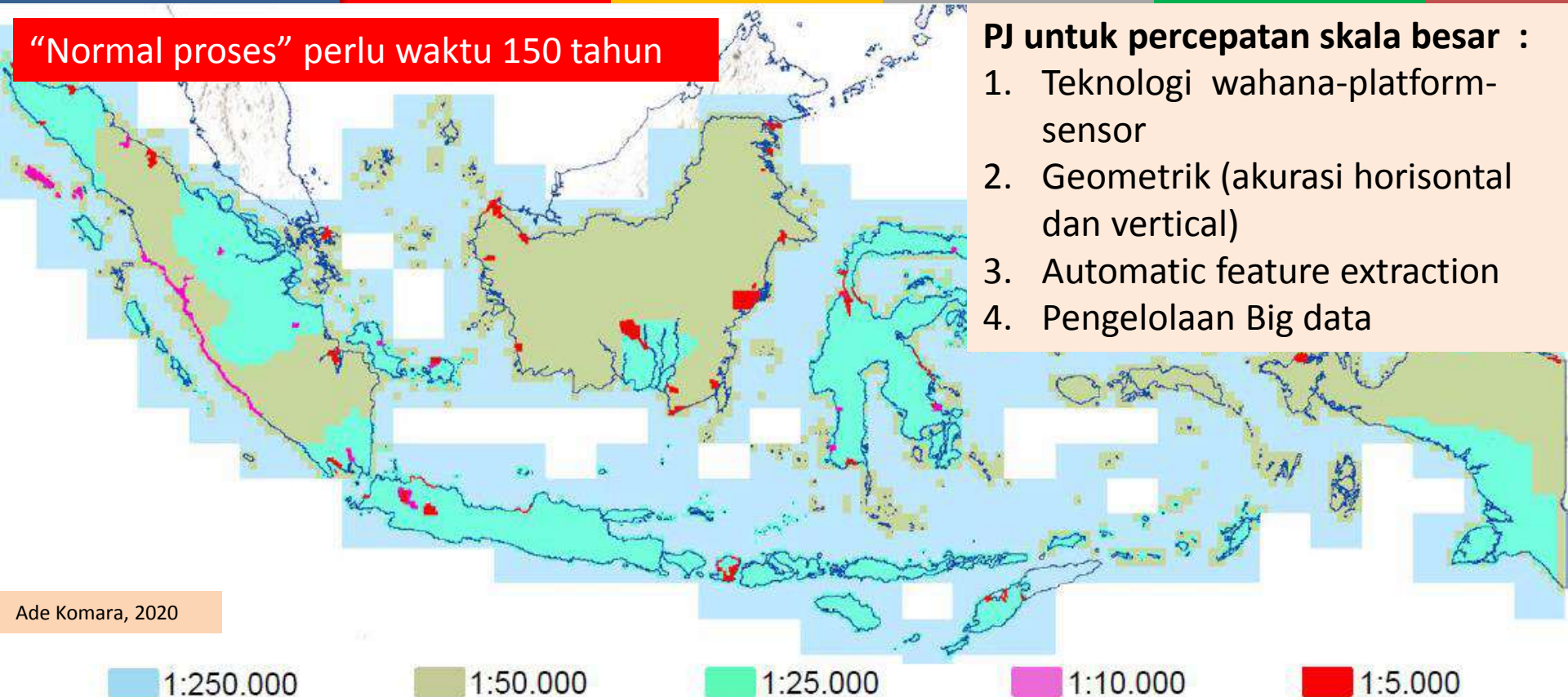


PJ untuk Informasi Geospasial Dasar

“Normal proses” perlu waktu 150 tahun

PJ untuk percepatan skala besar :

1. Teknologi wahana-platform-sensor
2. Geometrik (akurasi horisontal dan vertikal)
3. Automatic feature extraction
4. Pengelolaan Big data



PJ untuk Informasi Geospasial Tematik : Hutan Mangrove

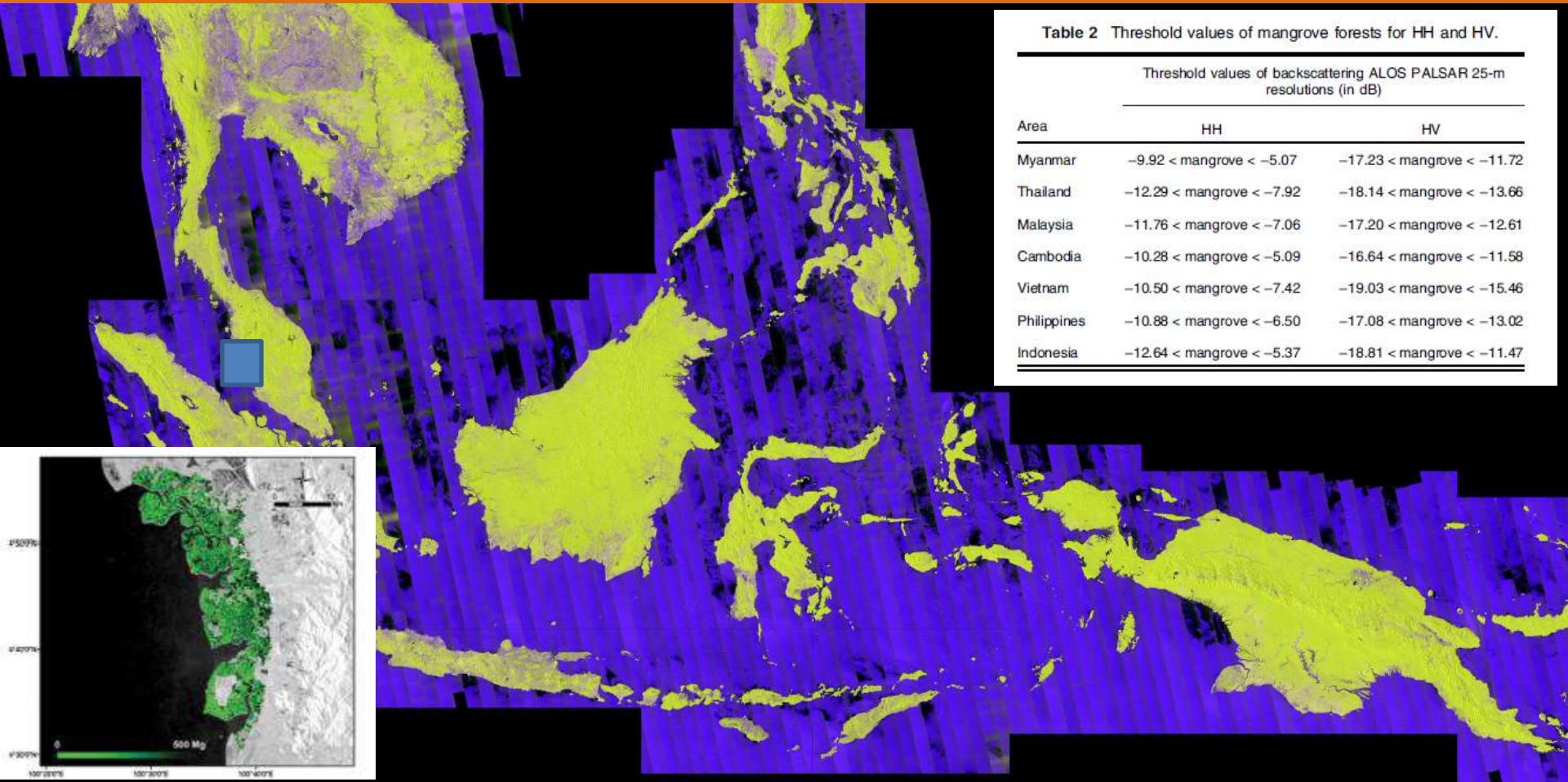
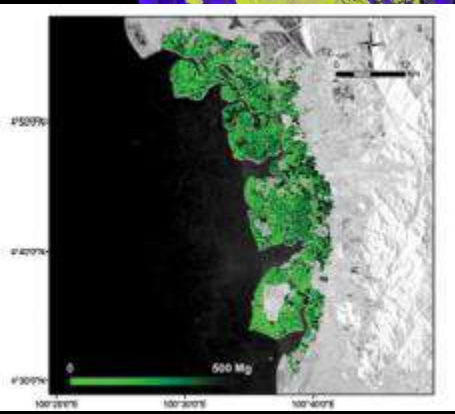
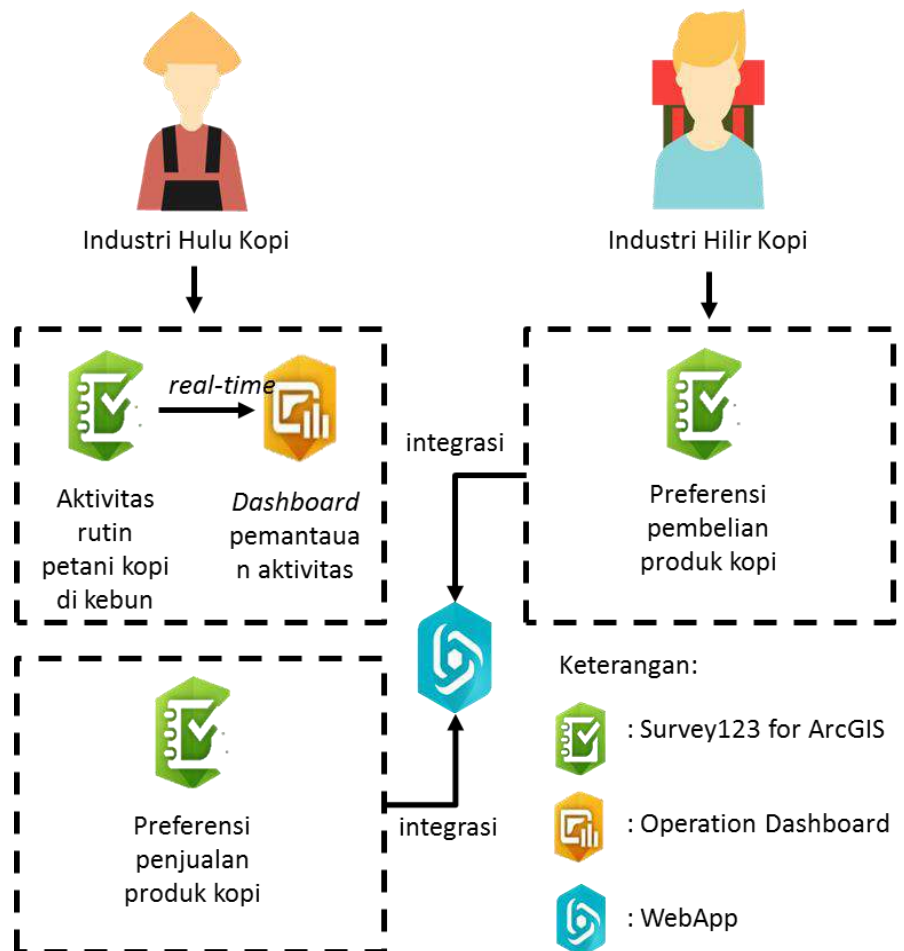


Table 2 Threshold values of mangrove forests for HH and HV.

Area	Threshold values of backscattering ALOS PALSAR 25-m resolutions (in dB)	
	HH	HV
Myanmar	$-9.92 < \text{mangrove} < -5.07$	$-17.23 < \text{mangrove} < -11.72$
Thailand	$-12.29 < \text{mangrove} < -7.92$	$-18.14 < \text{mangrove} < -13.66$
Malaysia	$-11.76 < \text{mangrove} < -7.06$	$-17.20 < \text{mangrove} < -12.61$
Cambodia	$-10.28 < \text{mangrove} < -5.09$	$-16.64 < \text{mangrove} < -11.58$
Vietnam	$-10.50 < \text{mangrove} < -7.42$	$-19.03 < \text{mangrove} < -15.46$
Philippines	$-10.88 < \text{mangrove} < -6.50$	$-17.08 < \text{mangrove} < -13.02$
Indonesia	$-12.64 < \text{mangrove} < -5.37$	$-18.81 < \text{mangrove} < -11.47$

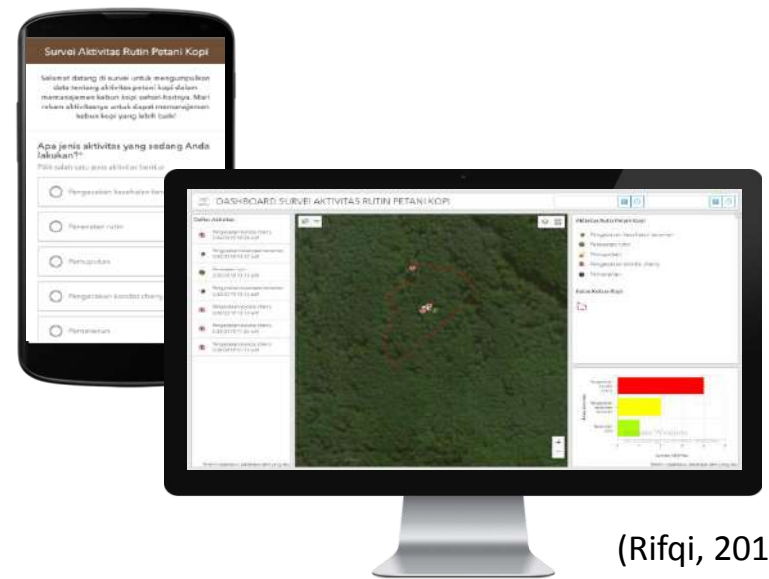


PJ untuk Informasi Geospasial Tematik : Perkebunan



"Geo-Enabled Aktivitas Bisnis Industri Kopi"

Pilih aktivitas yang akan Anda kerjakan:



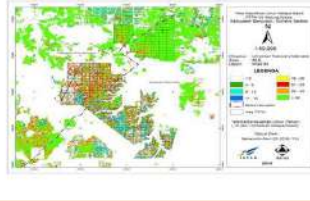
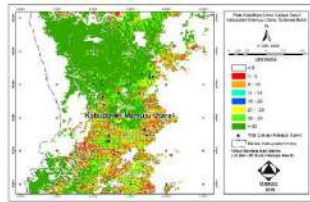
(Rifqi, 2019)

Figure 1 is a scatter plot with a quadratic regression line. The x-axis is labeled 'Plate Age' and ranges from 0 to 30. The y-axis is labeled 'Plate Score (log)' and ranges from -10 to 10. There are 15 data points plotted, each with vertical error bars. A solid black curve represents the quadratic fit. The equation of the curve is displayed on the plot: $y = -0.0073x^2 + 0.1777x - 3.3757$ and $R^2 = 0.838$.

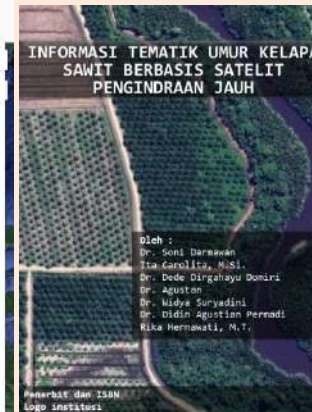
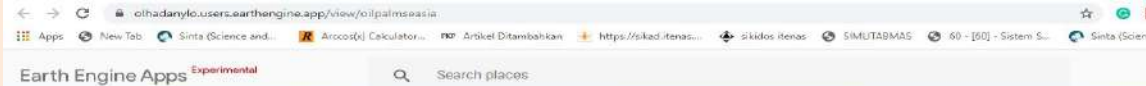
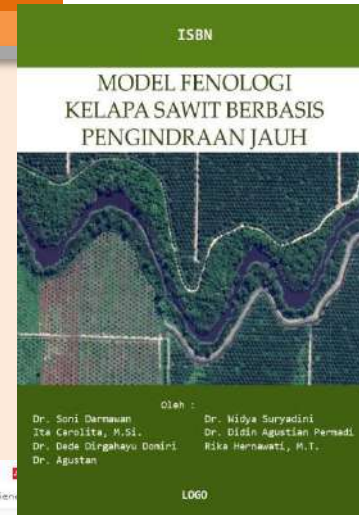


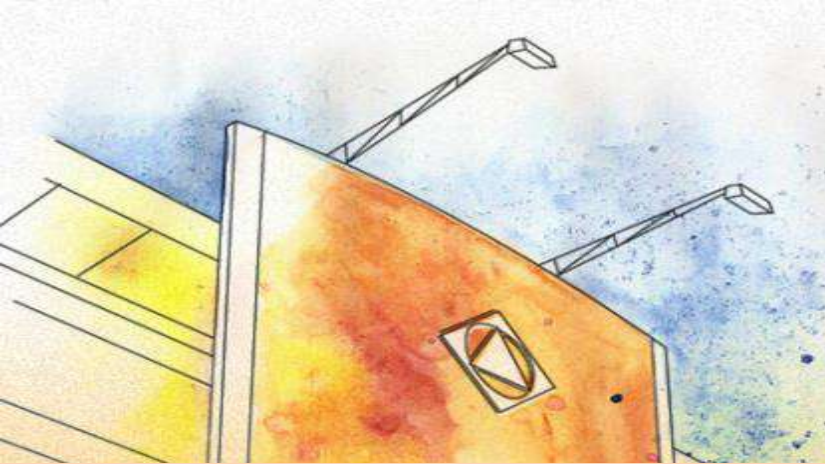
Figure 1 is a scatter plot with a fitted curve showing the relationship between Octopus Age (x-axis) and Survival on IT (y-axis). The x-axis ranges from 0 to 30 with major ticks every 5 units. The y-axis ranges from -21 to -5 with major ticks every 5 units. There are 15 data points plotted as open circles. A solid black curve represents the fitted model. The regression equation $y = 1.7564x - 22.089$ and the coefficient of determination $R^2 = 0.7052$ are displayed in the bottom right corner of the plot area.

mur kelapa sa



Buku
model,
Standar
prosedur
(HKI
dan
Jurnal

[illegible]



Profesi Ahli Penginderaan Jauh (*Remote Sensing Specialist*)



Lingkup kerja meliputi :

- Mengumpulkan, menyeleksi dan memilih data penginderaan jauh untuk kebutuhan Informasi Geospasial di Indonesia.
- Menyajikan citra tegak sesuai dengan ketelitian radiometrik dan geometrik.
- Mengolah, menganalisis dan menyajikan Informasi Geospasial Dasar dan Tematik hasil ekstraksi dari data penginderaan jauh.
- Menyajikan, memvisualisasikan dan menyebarluaskan informasi geospasial dari penginderaan jauh untuk kehidupan di masyarakat, industri dan pemerintahan.
- Melakukan kajian, penelitian dan pengembangan terkait dalam huruf a, huruf b, huruf c dan huruf d.

Dari hulu hingga hilir
penelitian Pengindraan Jauh
masih sangat “terbuka” lebar

Dr. Soni Darmawan

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Prodi Teknik Geodesi

Faculty of Civil Engineering and Planning – Itenas Bandung

Jl. PKH. Hasan Mustapa No. 23 Bandung 40124

Telp. +62-22-7272215, Fax.+62-22-7202892 ; www.itenas.ac.id

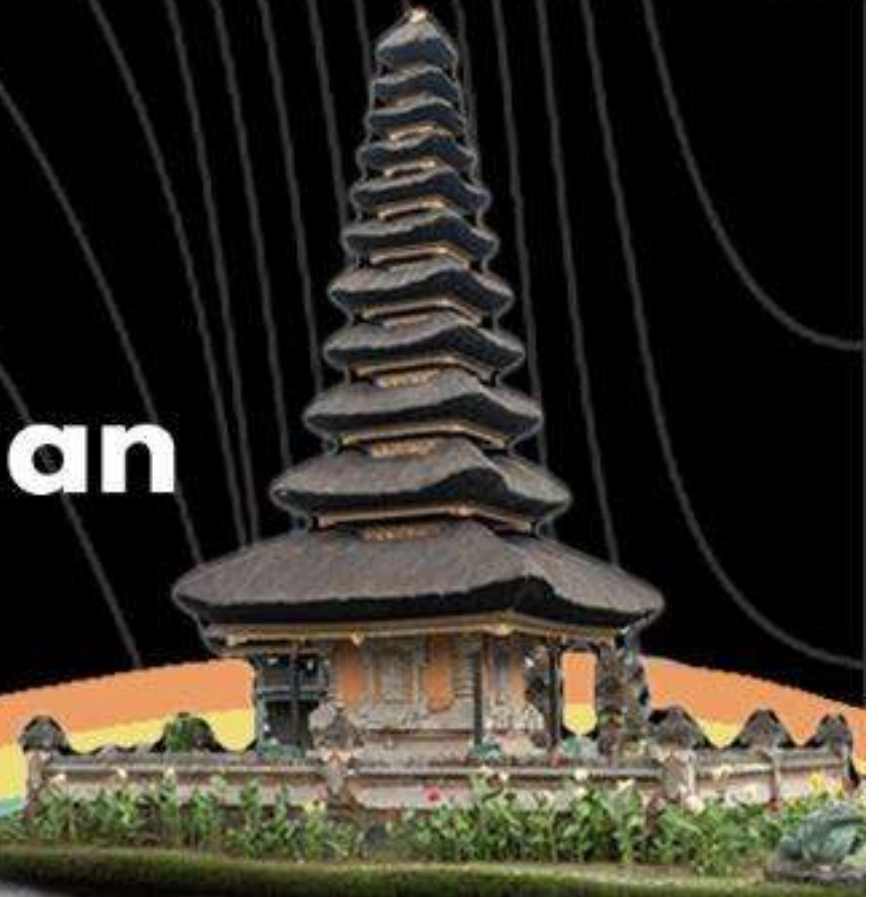
Terimakasih



APSAR 2021

Pre Conference APSAR 2021 Talkshow Penginderaan Jauh Indonesia

Jumat, 26 Februari 2021 | 13.30 - 16.00 WIB



Susunan Acara Talk Show Pre-Conference APSAR 2021
Jum'at, 26 Februari 2021



APSAR 2021

Pre Conference APSAR 2021

Talkshow Penginderaan Jauh Indonesia

Jumat, 26 Februari 2021 | 13.30 - 16.00 WIB



Pembicara



Dr. Soni Darmawan
Departemen Teknik Geodesi
Institut Teknologi Nasional, Bandung



Dr. M. Rokhis Khomarudin
Kepala Pusat Pemanfaatan
Penginderaan Jauh LAPAN



Dr. Firman Hadi
Departemen Teknik Geodesi
Universitas Diponegoro



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Dr. Rizatus Shofiyati
Balai Besar Litbang Sumberdaya
Lahan Pertanian
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Kementerian Pertanian

Pembukaan

Keynote Speaker



Prof. Thomas Djamaluddin
Kepala Lembaga Penerbangan dan
Antariksa Nasional (LAPAN)

Moderator



Prof. Josaphat Tetuko
General Chair of APSAR 2021
Chiba University



Prof. Ketut Wikantika
General Co-Chair of APSAR 2021
Institut Teknologi Bandung



Rika Hernawati, S.T., M.T.
Departemen Teknik Geodesi
Institut Teknologi Nasional, Bandung

Meeting ID: 848 3726 0713
Passcode: 123456

<https://youtu.be/ED.WRTk8kj8>

Peserta mendapatkan e-sertifikat








Waktu	Acara
13.30-13.31	Pembukaan Oleh MC
13.31-13.35	Sambutan oleh Ketua Panitia Pre-Conference APSAR 2021 Prof. Ketut Wikantika, Ph.D.
13.35-13.45	Sambutan oleh General Chair APSAR Prof. Josaphat Tetuko Sri Sumantyo, Ph.D.
13.45-14.05	Keynote Speech oleh Lembaga Penerbangan dan Antariksa Nasional (LAPAN). Prof. Dr. Thomas Djamaluddin
14.05-14.06	Foto Bersama
14.06-14.07	Penyerahan Pelaksanaan Talkshow kepada Moderator Moderator: Dr.Eng. Anjar Dimara Sakti
	Pembukaan Oleh Moderator
14.07-14.19	Pembicara ke-1 oleh Dr. M. Rokhis Khomarudin
14.19-14.31	Pembicara ke-2 oleh Dr. Rizatus Shofiyati
14.31-14.43	Pembicara ke-3 oleh Dr. Soni Darmawan
14.55-15.07	Pembicara ke-4 oleh Dr. Laode M. Golok Jaya
15.07-15.19	Pembicara ke-5 oleh Dr. Firman Hadi
15.19-15.31	Pembicara ke-6 oleh Fabian Surya P, Ph.D.
15.31-15.41	Q/A Session
15.41-15.43	Pembagian Sertifikat dan Penutup



APSAR 2021

Pre Conference APSAR 2021 Talkshow Penginderaan Jauh Indonesia

Jumat, 26 Februari 2021 | 13.30 - 16.00 WIB



Zoom Meeting ID: 848 3726 0713

Passcode : 123456

http://bit.ly/TalkShow_PreConAPSAR2021

Live Youtube at <https://bit.ly/live-preconf-apsar>

Peraturan Webinar:

1. Akses ke Zoom akan dibuka **15 menit** sebelum acara dimulai.
2. ID peserta dalam Webinar ini harus menggunakan **nama asli**.
3. Peserta yang mendapatkan akses ke Zoom harus **berpakaian sopan** dan **berperilaku sopan** saat Webinar dilaksanakan.
4. Peserta sangat diharapkan untuk **mematikan suara (mute)** selama proses Webinar berlangsung
5. Semua peserta yang mengikuti Webinar melalui Zoom dapat mengajukan pertanyaan dengan cara: klik link berikut **http://bit.ly/PreConAPSAR2021_QA Code: 1823** , lalu dilanjutkan dengan menuliskan nama, asal instansi, pertanyaan ditujukan kepada narasumber, dan pertanyaan secara ringkas. Pembicara akan menjawab via link tersebut atau secara langsung.
Contoh: Iqbal ITB, Dr. Soni Darmawan, bagaimana Indraja di Indonesia?
6. Sertifikat akan dibagikan bagi peserta yang mengikuti acara dari awal sampai berakhirnya Webinar
7. **Di akhir acara, link daftar hadir akan dibagikan.** Link tersebut hanya akan **aktif selama 30 menit**.
8. Peserta yang tidak mengisi google form pendaftaran sebelum acara dimulai dan atau tidak mengisi daftar hadir saat acara selesai, **TIDAK** akan mendapatkan sertifikat.



APSAR 2021

Pre Conference APSAR 2021 Talkshow Penginderaan Jauh Indonesia

Jumat, 26 Februari 2021 | 13.30 - 16.00 WIB



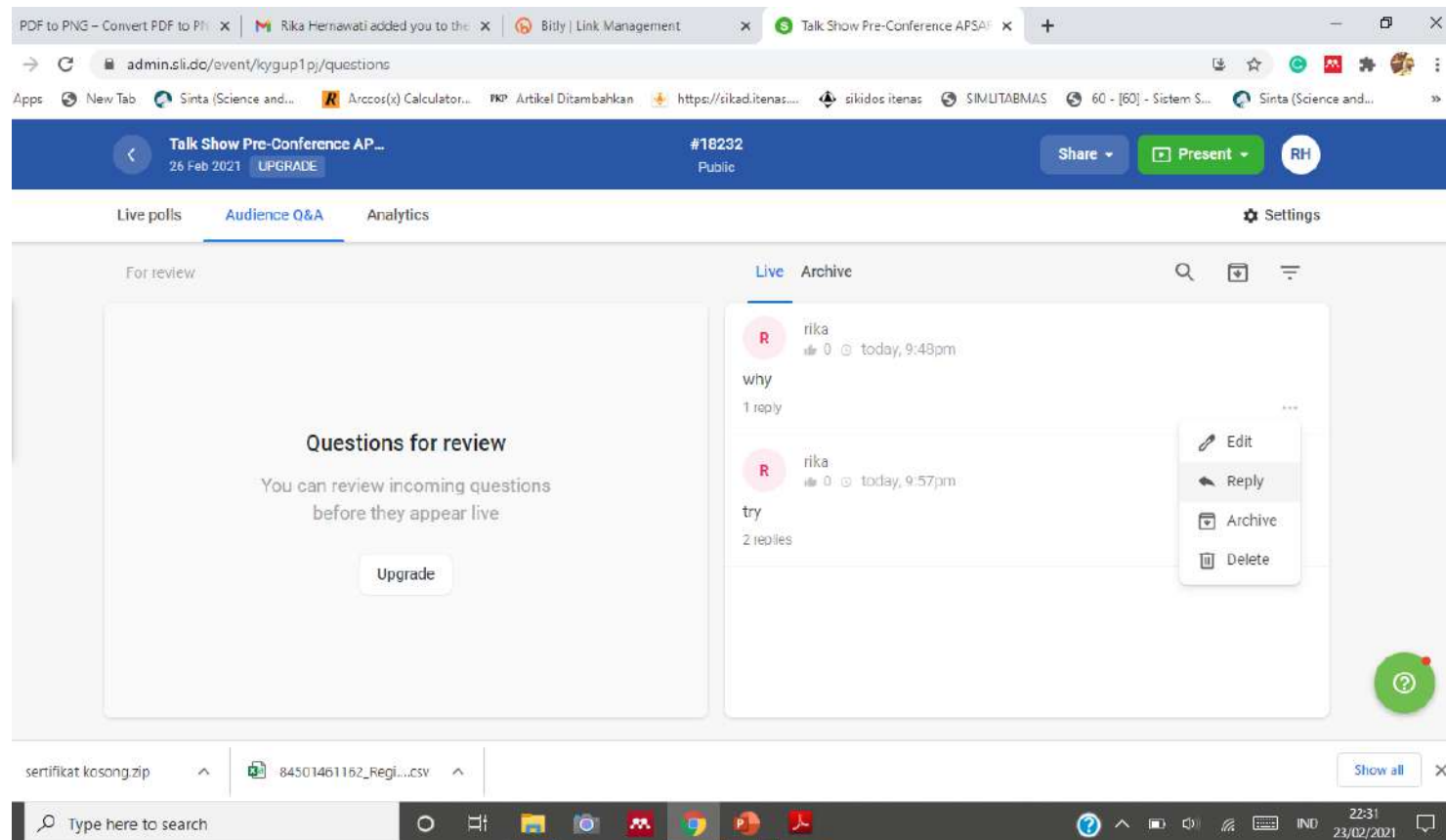
QA Session

For Speakers <http://bit.ly/QASpeakers>
Password: 764455Rika

For Participants
http://bit.ly/PreConAPSAR2021_QA Code: 1823

Link Q/A untuk para Narasumber

<http://bit.ly/QASpeakers>
Password: 764455Rika



Silahkan Bapak/Ibu klik link tersebut dengan lengkap dengan password.

Pada menu Audience Q & A silahkan Bapak/Ibu untuk me-reply jawaban, seperti contoh berikut:

Link Absensi

- Link Absensi:
<http://bit.ly/Presensi-PreConAPSAR2021>

Pre Conference APSAR 2021
Talkshow Penginderaan
Jauh Indonesia
Jumat, 26 Februari 2021 | 13.30 - 16.00 WIB

Daftar Hadir Talk Show Penginderaan Jauh Indonesia

PreConference APSAR 2021, Jum'at, 26 Februari 2020, pukul 14.30-16.00 WIB

* Required

Email address *

Your email

Nama Lengkap (termasuk gelar) *

e-Sertifikat

{{APSAR PRE CONFERENCE}}

Sertifikat Webinar

Nama

RIKA HERNAWATI, S.T.,M.T.

Download Sertifikat



Terima Kasih dan Sampai Jumpa

Sertifikat: silahkan klik link berikut

<http://bit.ly/TalkShowPreConfAPSAR-Certificate>

cantumkan nama lengkap sesuai absensi dan klik download untuk mendapatkan sertifikat.

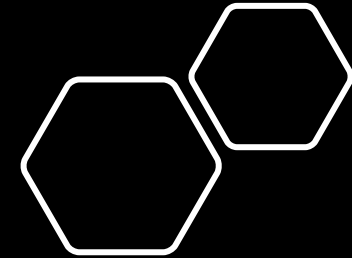
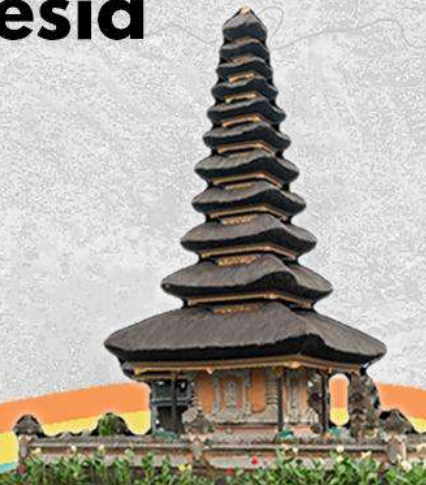


Pre Conference APSAR 2021

Marathon Penginderaan Jauh Indonesia dan Bunga Rampai Penginderaan Jauh Indonesia

6 Mei 2021

 apsar2021.org



Pembicara



Dr. Soni Darmawan
Departemen Teknik Geodesi
Institut Teknologi Nasional, Bandung



Dr. M. Rokhis Khomarudin
Kepala Pusat Pemanfaatan
Penginderaan Jauh LAPAN



Prof. Thomas Djamaluddin
Kepala Lembaga Penerbangan dan
Antariksa Nasional (LAPAN)



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Fakultas Teknik
Universitas Halu Oleo Kendari



Prof. Josaphat Tetuko
General Chair of APSAR 2021
Chiba University



Prof. Ketut Wikantika
General Co-Chair of APSAR 2021
Institut Teknologi Bandung

Moderator



Dr. M. Rokhis Khomarudin



Affiliation

- Remote Sensing Applications Center – LAPAN Head of Center (2014 – Present)
- International Journal on Remote Sensing and Earth Sciences (IJRESES) Editor in Chief (2018 – Present)
- Indonesian Regional Supporting Office (RSO) UN SPIDER Coordinator (2012 – Present)

Research Interest

- Multispectral remote sensing for disaster impact and mitigation
- Multispectral remote sensing for agricultural monitoring
- Platform development for remote sensing information dissemination
- Remote sensing forensic and geo-design

Current Research Project

PLATYPUS (National Research Priority (PRN) – Remote sensing for Conservations area, pollutions, disasters, and natural resources

Recent Publication

- Sofan, P., Bruce, D., Jones, E., Khomarudin, M.R., Roswintiarti, O. 2020. Applying the tropical peatland combustion algorithm to landsat-8 operational land imager (Oli) and sentinel-2 multi spectral instrument (msi) imagery. Remote Sensing, 2020, 12(23), pp. 1–37, 3958
- Y Vetrita, MA Cochrane, M Priyatna, KAD Sukowati, MR Khomarudin. 2020. Evaluating accuracy of four MODIS-derived burned area products for tropical peatland and non-peatland fires. Environmental Research Letters
- F Yulianto, UC Nugroho, NP Nugroho, W Sunarmodo, MR Khomarudin. 2020. Spatial-Temporal Dynamics Land Use/Land Cover Change and Flood Hazard Mapping in the Upstream Citarum Watershed, West Java, Indonesia. Quaestiones Geographicae 39 (1), 125-146



Dr. Rizatus Shofiyati



Affiliation

- Indonesian Centre for Agricultural Land Resource Research Development (ICALRD) Senior Researcher (1988-present)
- Asia Rice Consortium Member (2016-present)
- Agriculture Insurance Working Group of Ministry of Agriculture Member (2020-2021)
- SAFE Activity, JAXA Japan Research coordinator (2012-2013 and 2013-2016)

Research Interest

- Remote Sensing for Agriculture
- Remote Sensing for Crop Insurance
- Machine Learning for crop identification and monitoring

Current Research Project

SISCrop (Standing crop Information System) Satellite-based Information System for crop monitoring

Recent Publication

- Shofiyati, R., Takeuchi, W., Pasaribu, S.M. and Irawan, Y.R. (2021), Space-based drought analysis to support agricultural insurance facing climate change. IOP Conf. Ser.: Earth Environ. Sci. 648 012130.
- Andanaputra, A.B.T., Ganadhi, E.M., Fakhrezi, M.F., Gunawan, A.A.S., Chowanda, A., Suroso, J.S., Shofiyati, R., and Budiharto, W., (2020), GNSS-Based Navigation Systems of Autonomous Drone for Pesticide Sprayer in Agriculture. ICIC International 11:12



Dr. Soni Darmawan



Affiliation

Institut Teknologi Nasional (ITENAS) Bandung

Current Research Project

- Hibah Kemenristek BRIN PRN-LPDP, 2020-2022 Pengembangan Model/Metode Standar Untuk Pertanian dan Perkebunan (Pengembangan Model/Metode Klasifikasi Umur Pertumbuhan Perkebunan Kelapa Sawit Berbasis Citra Satelit Pengindraan Jauh Untuk Tata Kelola Perkebunan Kelapa Sawit Nasional)
- Hibah RistekDikti Skema PTUPT, 2018-2019 Pengembangan implementasi sistem monitoring biomassa hutan mangrove berbasis satelit pengindraan jauh dan pesawat tanpa awak sebagai upaya mitigasi bencana perubahan iklim

Recent Publication

- International Journal Sensors Hindawi, 2021 The potential scattering model for oil palm phenology based on spaceborne X-, C- and L- band polarimetric SAR imaging
- Remote Sensing MDPI, 2020, Identification before-after Forest Fire and Prediction of Mangrove Forest Based on Markov-Cellular Automata in Part of Sembilang National Park, Banyuasin, South Sumatra, Indonesia
- Indonesia Journal of Applied Remote Sensing, 2019, Development of aboveground mangrove forests' biomass dataset for Southeast Asia based on ALOS-PALSAR 25-m mosaic

Experience

- Chief of The 5 th International Conferences of Indonesian Society for Remote Sensing (ICOIRS) and Indonesian Society for Remote Sensing Congress, Itenas Bandung, 2019
- Postdoctoral on Space Application For Environmental (SAFE), Tokyo University, 2013



Dr. Laode M. Golok Jaya



Affiliation

- Wakil Dekan Bidang Akademik Fakultas Teknik Universitas Halu Oleo (1988 - sekarang)
- Kepala Pusat Remote Sensing Universitas Halu Oleo (2017 - 2018)
- Anggota International Society for Photogrammetry and Remote Sensing (ISPRS) (2020 - sekarang)
- Sekretaris Masyarakat Penginderaan Jauh Indonesia (MAPIN) Komisariat Sulawesi Tenggara (2018 - sekarang)

Research Interest

- Pemanfaatan Data Synthetic Aperture Radar (SAR) untuk aplikasi Kebencanaan
- Analisis Perubahan Land Use Land Cover

Current Research Project

Penerima Hibah Penelitian Terapan Unggulan Perguruan Tinggi (Kemenristek/BRIN) 2015-2021



Dr. Firman Hadi



Affiliation

- Staf Pengajar, Departemen Teknik Geodesi, Universitas Diponegoro. Remote Sensing and GIS. (Feb 2020 – sekarang)
- Aktivis FOSS4G, OSGEO-ID, Indonesia. (2019 – sekarang)
- Quality Panel, HCV Resoure Network. Remote Sensing and GIS Expert (June 2019 – sekarang)
- External Expert, Geoinformatics Center - Asian Institute of Technology, Thailand. (June 2020 – sekarang)
- Anggota, Masyarakat Penginderaan Jauh Indonesia. (Sep 2019 – sekarang)
- Peneliti, Center for Remote Sensing - Institut Teknologi Bandung, Indonesia. Spesialisasi : Penginderaan Jauh Lingkungan dan Ekologi Lansekap (2005 – sekarang)

Research Interest

- RS/GIS for environment
- FOSS4G Application in RS/GIS



Fabian Surya Pramudya, Ph.D



Affiliation

- Institute of Space and Earth Information Science
The Chinese University of Hong Kong
Research Consultant/ Associate (2021 - Present)
Graduate Teaching Assistant (2016-2020)
- Dragon-4 Project initiative
European Space Agency - The Ministry of Science and Technology (MOST) of the People's Republic of China
Research Contributor (2017-2018)
- Center for Remote Sensing (CRS - ITB)
Graduate Teaching Assistant (2015-2016)
Board of Researcher for Coastal Management (2019 - Present)

Research Interest

- Microwave remote sensing for coastal wave height and energy studies
- Multispectral remote sensing for benthic habitat mapping and coastal management
- Object-based image classification (OBIA) for Very High-Resolution sensor and Unmanned Aerial Vehicle (UAV) imagery

Recent Publication

- Pramudya, F. S., Pan, J., & Devlin, A. T., Hui, L.. (2021). Enhanced Estimation of Significant Wave Height and Wave Steepness with Dual Polarization Sentinel1 SAR Imagery. Remote Sensing, 13(1):124.
- Pramudya, F. S., Pan, J., & Devlin, A. T.. (2019). Estimation of Significant Wave Height of Near-Range Traveling Ocean Waves Using Sentinel-1 SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 12(4), 1067-1075.



Terima Kasih dan Sampai Jumpa



Sertifikat: silahkan klik link berikut
<http://bit.ly/TalkShowPreConfAPSAR-Certificate>



Find a participant

- Nabila Khairunnisa
- WS Widia Sari
- Alinda Zain
- JM JIHAD MAHIRA PI [Admit](#) [Remove](#)
- A Agung Budi Prasetyo
- Delfii 2311
- Ainna Nurril Azmi
- Arief
- GJ Galaxy J2 Pro
- GA Galaxy A51
- Sardianto
- A.M. Utomo
- Muhammad Fikri Nurwan Hakiki
- BM BPTP Maluku_Sheny Sandra Kaihatu

[Invite](#)[Mute All](#)

...

[Leave](#)

Grid of participants in a Zoom meeting. Each tile shows a participant's video feed and name. The background of each tile features a traditional Indonesian building (Pura) and the text "Talkshow Penginderaan Jauh Indonesia".

Participants visible in the grid:

- Wahyudi Hasbi
- Rika Hernawati
- Ketut Wikantika
- Josaphat Tetuko Sri Suma...
- Soni Darmawan
- Firman Hadi
- LAPAN_Thomas Djamalud...
- Kamal Nur Fauzan
- M Rokhis Khomarudin
- Safriana Afifatul
- Laode MGJ
- Fabian S Pramudya
- Syarif Budhiman



Rika Hernawati



Wahyudi Hasbi

BPTP Maluku_S...



Arief



Soni Darmawati

View

LIVE on Custom Live Streaming Service

APSAR 2021

Pre Conference APSAR 2021

Talkshow

Penginderaan

Jauh Indonesia

Jumat, 26 Februari 2021 | 13.30 - 16.00 WIB

Logos: IEEE, GRSS, CIBRA ENVIRONMENT, LAPAN, BPPT

Main video feed of Ketut Wikantika, a man with glasses and a white shirt, speaking. The background is a traditional Indonesian tower.

Ketut Wikantika

Unmute Stop Video Security Participants 100 Chat Share Screen Record Breakout Rooms Reactions

Leave

Participants (99)

Find a participant

Waiting Room (1)

Message

VS Villanier sociawat **Admit** **Remove**

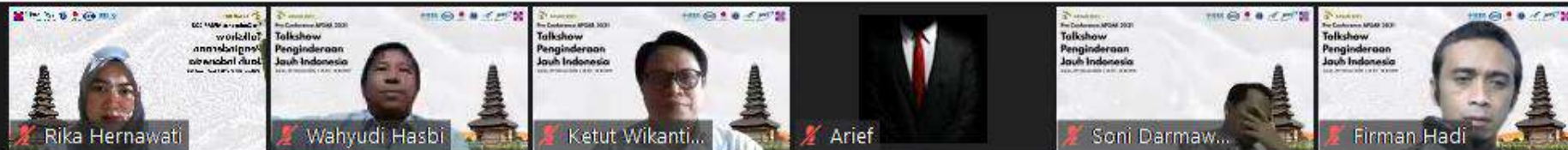
In the Meeting (99)

- Rika Hernawati (Co-host, me)
- Wahyudi Hasbi (Host)
- Ketut Wikantika (Co-host)
- Kamal Nur Fauzan (Co-host)
- Safriana Afifatul (Co-host)
- RS Rizatus Shofiyati
- A 118230012 Rahadatul Aisy
- 1725003_ Tasia Kirana
- 232019018 M.Diki Asyari
- A.M. Utomo
- A Agung Budi Prasetyo

Invite

Mute All

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Remove Spotlight **LIVE** on Custom Live Streaming Service

APSTAR 2021

Pre Conference APSAR 2021

Talkshow

Penginderaan

Jauh Indonesia

Jumat, 26 Februari 2021 | 13.30 - 16.00 WIB

Logos: IEEE INDONESIA SECTION, GRSS, UIN AR-RANIRY, LAPAM, BPPT

Josaphat Tetuko Sri Sumantyo



Unmute



Stop Video



Security



Participants 100



Chat



Share Screen



Record



Breakout Rooms



Reactions

Leave



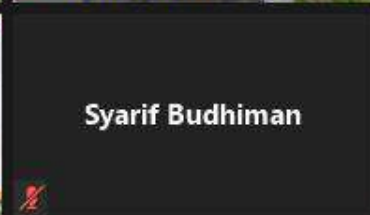
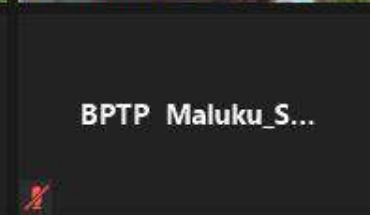
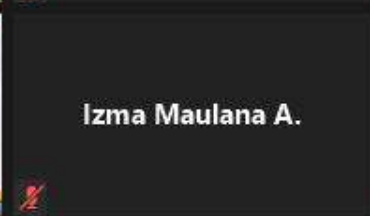
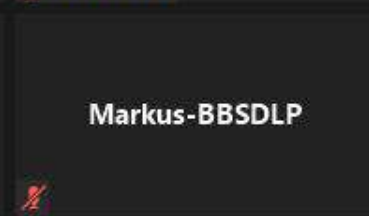
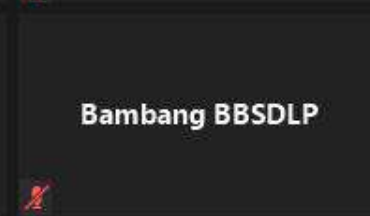
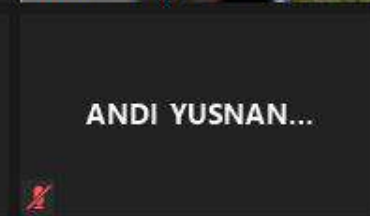
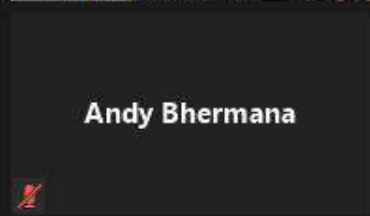
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13:37
26/02/2021

2 people entered the waiting room

View

x

 Josaphat Tetuko ...	 Wahyudi Hasbi	 Rika Hernawati	 Ketut Wikantika	 Soni Darmawan
 Firman Hadi	 LAPAN_Thomas ...	 Kamal Nur Fauzan	 Safriana Afifatul	 Laode MGJ
 Fabian S Pramud...	 Syarif Budhiman	 Delfii 2311	 BPTP Maluku_S...	 Rizatus Shofiyati
 M Rokhis Khoma...	 Izma Maulana A.	 Markus-BBSDLP	 Bambang BBSDLP	 ANDI YUSNAN...
 Andy Bhermana	 Alinda Zain	 Ari Cahyono_UGM	 Munawaroh	 JIHAD MAHIRA...



Unmute



Stop Video



Security



Participants 100



Chat



Share Screen



Record



Breakout Rooms



Reactions

Leave



Type here to search



Call For Papers

The 7th Asia-Pacific Conference on Synthetic Aperture Radar (APSAR 2021)

1-5 November 2021, Bali

Asia-Pacific Conference on Synthetic Aperture Radar (APSAR) is an international conference devoted to SAR technology development and applications. The APSAR is a forum of Synthetic Aperture Radar (SAR) engineers and scientists from all over the world, especially from the Asia-Pacific region. The bi-annual APSAR conference is held every two years in China, Japan, Korea, Australia, and Singapore in turn, and APSAR 2021 will be held the first time at Indonesia.

The 7th APSAR (APSAR 2021) will be held on 1 - 5 November 2021 in Bali Island, Indonesia. All accepted papers will be published in the conference proceedings, and after the conference, the presented papers will be submitted to IEEE Xplore and be indexed by EI. We invite you sincerely to participate in APSAR 2021, and we looking forward to meeting you in Bali Island, Indonesia during APSAR.

Organizing Committee

General Chair
Prof Josaphat Tetuko Sri Sumantyo
Chiba University

Vice General Chair
Dr.-Ing. Wahyudi Hasbi
National Institute of Aeronautics and Space (LAPAN)

General Co-Chair
Prof. Ketut Wikantika, Ph.D
Institut Teknologi Bandung (ITB)

Vice General Co-Chair
Dr. Agustan
Agency for the Assessment and Application of Technology (BPPT)

Registration <http://apsar2021.org/>

Call For Papers

The 7th Asia-Pacific Conference on Synthetic Aperture Radar (APSAR 2021)

1-5 November 2021, Bali

Technical Program and Scope

The conference will consist of several technical sessions to provide the program with breadth and depth by plenary talks, tutorials, oral and poster presentations, and exhibitions, along with some special technical sessions. Contributions are encouraged from, but not limited to, the following topics. If you plan a Special Session, please contact apsar2021_chairs@ieee.org.

A. SAR Platform

- A1. Airborne SAR Systems and Missions
- A2. Spaceborne SAR Systems and Missions
- A3. Unmanned Aerial Vehicle and HAPS SAR Systems and Missions
- A4. Ground Based SAR
- A5. Inverse SAR

B. Interferometric and Polarimetric SAR

- B1. Interferometric SAR
- B2. Polarimetric SAR
- B3. Polarimetric Scattering Information Utilization

C. Multiband and Multibeam SAR

- C1. Multiband and Multibeam SAR
- C2. Long Wave SAR
- C3. Multi Channel SAR

D. Planetary SAR

- D1. Planetary SAR
- D2. Lunar Observer SAR
- D3. Radar System Simulation and Modeling
- D4. SAR System Simulation and Modeling
- D5. Geostationary SAR

E. SAR and Radar Systems

- E1. Components and Subsystems
- E2. Bi/Multistatic SAR/Radar
- E3. Inverse SAR (ISAR)
- E4. High Resolution SAR

F. SAR Image Processing

- F1. Image Filtering, Correction and Enhancement
- F2. Classification
- F3. Segmentation Feature Extraction and Analysis
- F4. Inverse SAR (ISAR)
- F5. Product Utilization, Data, Fusion and Value Adding

G. SAR Applications

- G1. Applications for Land, Vegetation, and Ocean
- G2. SAR Processing and Correction
- G3. Long Term Monitoring

H. Moving Target and Detection

- H1. Moving Target Detection and Indication
- H2. SAR Processing and Correction

Conference Schedule

KEYNOTE SPEAKS, TUTORIAL, ORAL SESSION & POSTER SESSION
1 - 5 NOVEMBER
08:00-17:00 WIB / 01:00-10:00 UTC

Important Dates

- April 30, 2021: Abstract Submission Deadline
- May 31, 2021: Paper Submission Deadline
- August 1, 2021: Notification of paper acceptance
- September 1, 2021: Deadline of final paper submission
- November 1, 2021: Conference first day
- November 5, 2021: Conference last day

Student Paper Competition

Students are invited to submit a paper to the APSAR Student Paper Competition. The selection of the finalist papers will be done by a committee of experts, and the selected students will present their papers during a special session at the Symposium.

Publication of Proceedings

All accepted and presented papers will be submitted for inclusion in IEEE Xplore.

Abstract & Paper Submission

- Use the link: <https://apsar2021.org/paper> to submit abstract/manuscript or to revise an existing submission.
- Use of the APSAR 2021 Template is mandatory and only submissions following the instructions will be considered.
- Word (A4 portrait) and LaTeX templates can be taken from: <http://www.ieee.org/conferences/publishing/templates.html>.
- All manuscripts must be written in English.
- Paper length: the minimum page limit for all manuscripts is 4 pages, and the maximum page limit is 8 pages, including figures, tables and references.
- Papers must be submitted in Adobe's Portable Document Format (PDF), and the allowed file size is 5MB.

Welcome to Bali Island

Bali Island is a beautiful island of God in Paradise, a part of Indonesia's archipelago and the most famous Indonesian tourism in the world. It owns the panorama and unique culture that make this island exclusive to others. Bali Island has many places of interest, such as Kuta and Seminyak beaches, Tanah Lot and Uluwatu temples, Ubud rice paddies, Batur and Agung volcanoes, etc. Tourism activities as well as attractions. Also, it has a beautiful jungle, long sandy beaches, warm blue water, colorful surf, and friendly people. Moreover, the local people present daily community ritual and a lot of things make your holiday unforgettable. A good time of the day with a sea breeze will complete your holiday dream.

Registration <http://apsar2021.org/>

IEEE Spotlight

Talkshow

Penginderaan Jauh Indonesia

Senin, 25 Februari 2021 | 13.30 - 14.30 WIB



Josaphat Tetuko Sri Sumantyo

2 people entered the waiting room

View

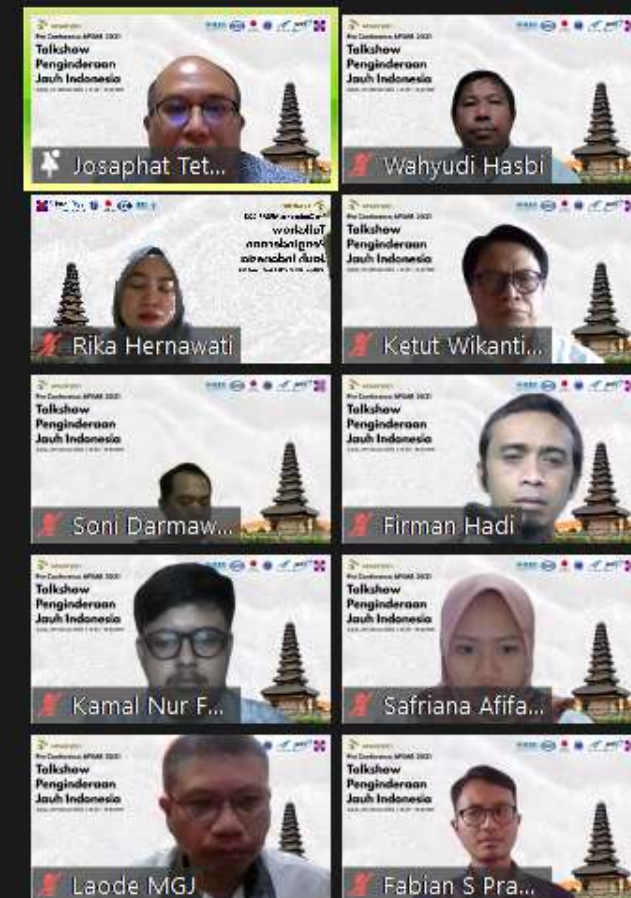
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Important Dates

<http://www.apsar2021.org>

- 30 April 2021 : Abstract Submission Deadline
- 31 May 2021 : Paper Submission Deadline
- 1 August 2021 : Notification of Paper Acceptance
- 31 August 2021 : Deadline of Early Registration
- 1 September 2021 : Deadline of Final Paper Submission and Registration
- 1 - 5 November 2021 : Conference Day



Unmute



Stop Video



Security



Participants



Chat



Share Screen



Record



Breakout Rooms



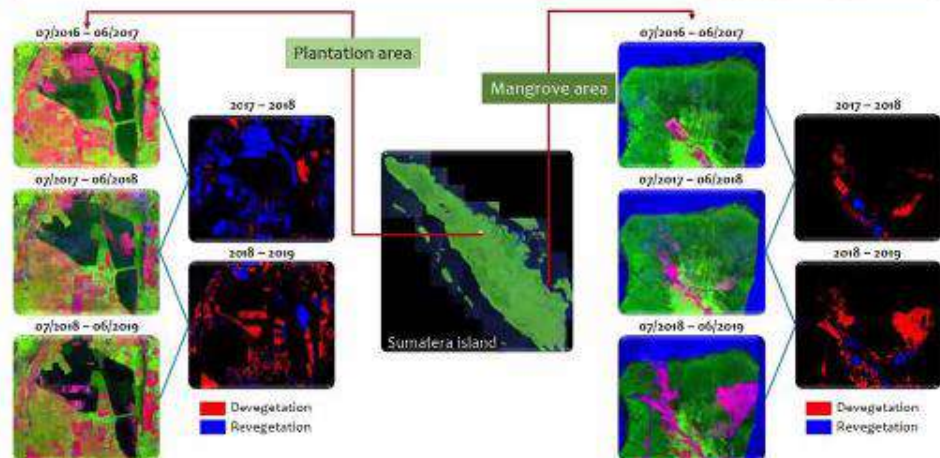
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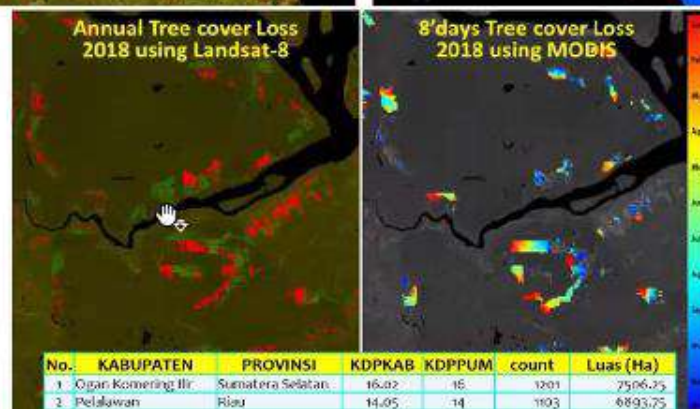
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Lingkungan (Perubahan hutan)

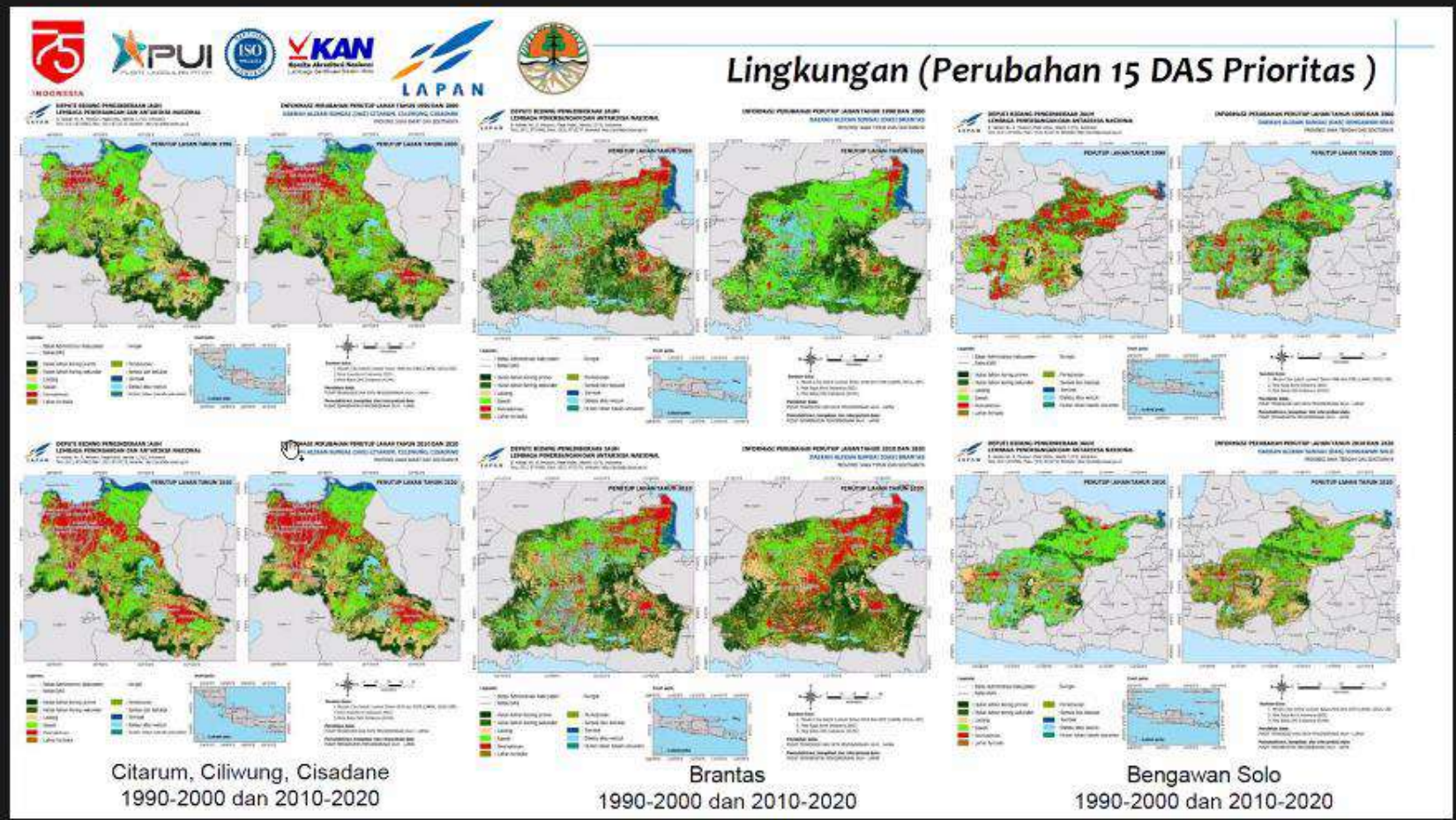
Komposit NBR
Jun'18-Jul'19 dan Jun'19-Jun'20

Klas Devegetasi Jul'19-Jun'20



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1	Opak Komering Ilir	Sumatera Selatan	16.02	16	1201	7506.75
2	Pelalawan	Riau	14.05	14	1103	6893.75
3	Siak	Riau	14.08	14	595	3716.75
4	Bengkalis	Riau	14.03	14	552	3450.00
5	Kutai Kartanegara	Kalimantan Timur	64.02	64	476	2975.00
6	Kutai Timur	Kalimantan Timur	64.08	64	421	2631.25
7	Indragiri Hilir	Riau	14.04	14	381	2381.25
8	Tanjungpung Barat	Jambi	15.06	15	321	2006.25
9	Musibanyuasin	Sumatera Selatan	16.06	16	255	1593.75
10	Katangkari	Jambi	15.04	15	236	1475.00



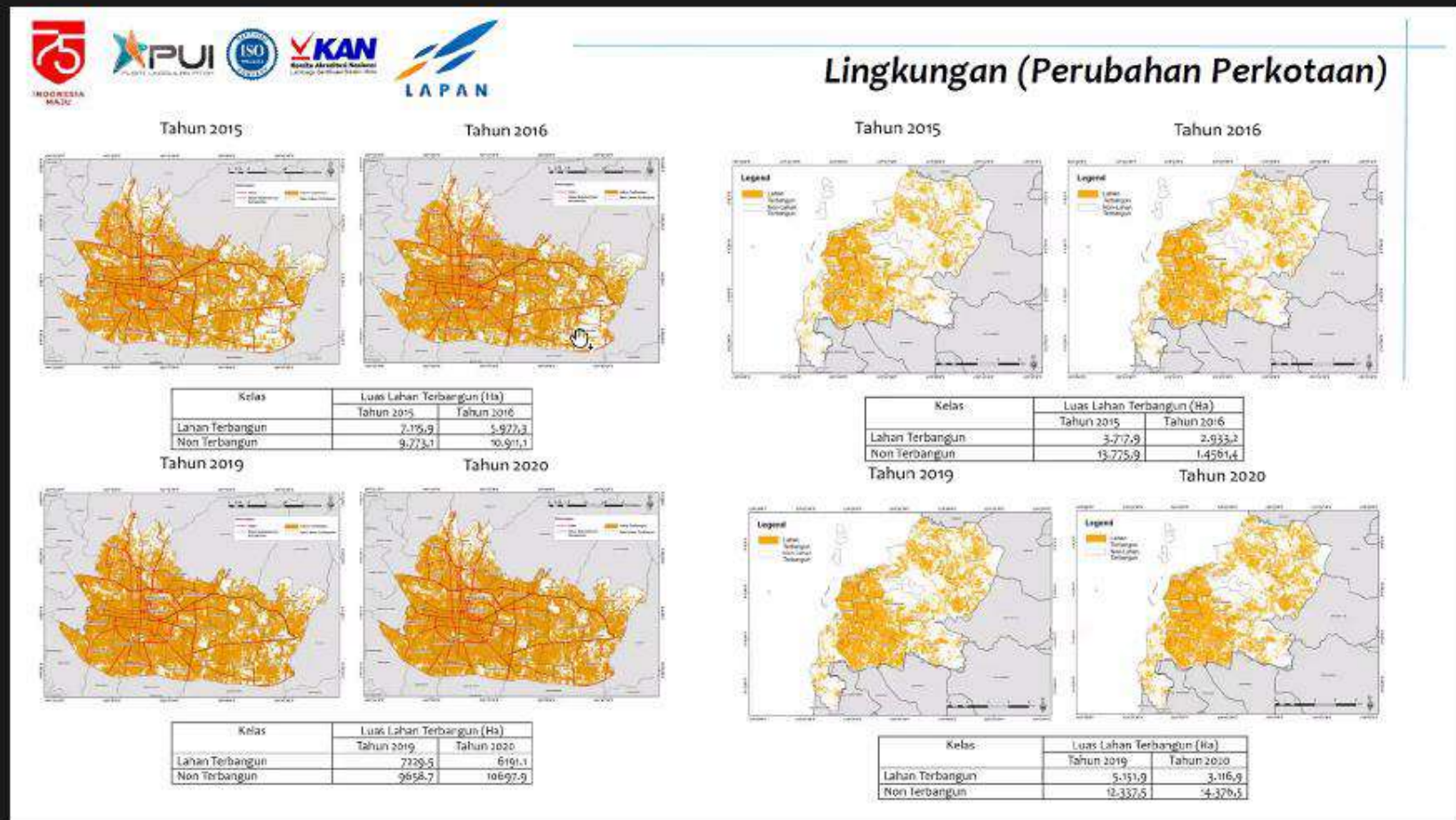


Remove Spotlight
Pre Conference APSAR 2021

Talkshow Penginderaan Jauh Indonesia

Jumat, 26 Februari 2021 | 13.30 - 16.00 WIB

LAPAN_Thomas Djamaluddin



Strategis lainnya (Identifikasi lading ganja)

**DEPUTI BIDANG PENGINDERAAN JAUH
LEMBAGA PENERBANGAN DAN ANTARIKSA NASIONAL**

**PETA CITRA SATELIT SPOT-6
Tanggal 16 Desember 2016
DAERAH SEKITAR KAWASAN HUTAN DAN LINGKUNGAN
INDIKASI LADANG GANJA
KABUPATEN ACEH BESAR, PROVINSI ACEH**

Legenda:

- Batas wilayah kecamatan
- Lokasi lading ganja referensi (BDO)
- Lokasi indikasi lading ganja
- Hutan
- Sawah
- Bungai
- Pemukiman
- Lading Ganja

Lokasi Lading Ganja:

Lokasi	Bujur	Lintang	Reg.	Menit	Detik	Reg.	Menit	Detik
LOKASI 1	95.000000	5.000000	35	00	00.00	5	00	00.00
LOKASI 2	95.000000	5.000000	35	00	00.00	5	00	00.00
LOKASI 3	95.000000	5.000000	35	00	00.00	5	00	00.00
LOKASI 4	95.000000	5.000000	35	00	00.00	5	00	00.00
LOKASI 5	95.000000	5.000000	35	00	00.00	5	00	00.00
LOKASI 6	95.000000	5.000000	35	00	00.00	5	00	00.00
LOKASI 7	95.000000	5.000000	35	00	00.00	5	00	00.00
LOKASI 8	95.000000	5.000000	35	00	00.00	5	00	00.00
LOKASI 9	95.000000	5.000000	35	00	00.00	5	00	00.00
LOKASI 10	95.000000	5.000000	35	00	00.00	5	00	00.00

Sumber data:

- Data satelit SPOT-6 tgl. 16 Desember 2016 (LAPAN)
- Data BDO (BDO)
- Peta Batas Administrasi Indonesia (BDO)

Penyusunan data oleh:

PUSAT TEKNOLOGI DAN DATA PENGINDERAAN JAUH - LAPAN
PUSAT PRIMER SATELIT PENGINDERAAN JAUH - LAPAN

LAPAN_Thom...

Ketut Wikanti...

Rika Hernawati

BBSDLK Kem...

Wahyudi Hasbi

Firman Hadi

Sriyanto

Rizatus Shofi...

Muhamad Ak..

Soni Darmawan



Strategis lainnya (Peningkatan Pendapatan Pajak)



Talkshow Penginderaan Jauh Indonesia

LAPAN_Thom...

Talkshow Penginderaan Jauh Indonesia

Ketut Wikanti...

Talkshow Penginderaan Jauh Indonesia

Rika Hernawati

Talkshow Penginderaan Jauh Indonesia

BBSDLP Kem...

Talkshow Penginderaan Jauh Indonesia

Wahyudi Hasbi

Talkshow Penginderaan Jauh Indonesia

Firman Hadi

Talkshow Penginderaan Jauh Indonesia

Sriyanto

Talkshow Penginderaan Jauh Indonesia

Rizatus Shofi...

Talkshow Penginderaan Jauh Indonesia

Soni Darmawan

Talkshow Penginderaan Jauh Indonesia

Safriana Afifa...

LIVE

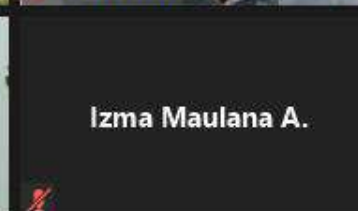
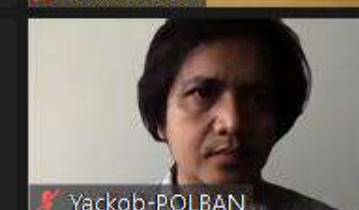
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Irza Chairul Anam entered the waiting room

Admit

View

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 LAPAN_Thomas ...	 Rika Hernawati	 Ketut Wikantika	 BBSDLP Kementa...	 Wahyudi Hasbi
 Firman Hadi	 Sriyanto	 Rizatus Shofiyati	 Syakar Muhamad	 Ratih Aulia
 Safriana Afifatul	 M Rokhis Khoma...	 Laode MGJ	 Soni Darmawan	 Fabian S Pramud...
 Josaphat Tetuko ...	 1725003_Tasia K...	 Izma Maulana A.	 Luthfi Adam	 Syarif Budhiman
 Farhan Amadan	 Fikri saepulloh	 Andy Bhermana	 Yackob-POLBAN	 Rima Napitupulu



Mute



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Security



Participants 100



Chat



Share Screen



Record



Breakout Rooms



Reactions

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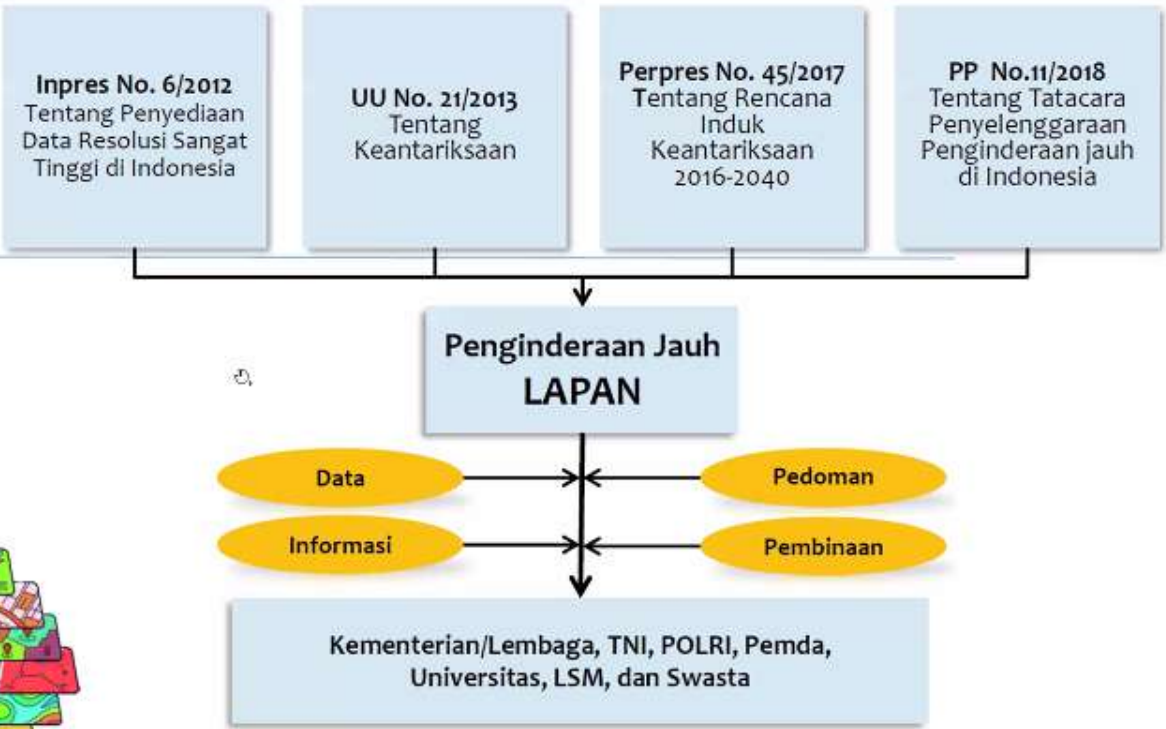


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26/02/2021



Regulasi Penginderaan Jauh



Remove Spotlight
Pre Conference APSAR 2021

**Talkshow
Penginderaan
Jauh Indonesia**

Aman, 26 Februari 2021 | 13.30 - 16.00 WIB

M Rokhis Khomarudin

LIVE

on Custom Live Streaming Service

View

Sahril Angga Permana entered the waiting room

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Penginderaan Jauh untuk Pertanian

Rizatus Shofiyati

Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan pertanian
Badan Penelitian dan Pengembangan Pertanian
Kementerian Pertanian



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Security



Participants



Chat



Share Screen



Record



Breakout Rooms



Reactions

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IND

14:23

26/02/2021



Mengapa perlu Inderaja & GIS untuk Pertanian

Pengelolaan dan Monitoring lahan pertanian secara efektif & efisien

DATA/INFORMASI SPASIAL

Problems

Anthropogenic decreases in soil fertility, soil sickness, env. pollution, wide yield gap, GHG emissions

More unpredictable weather due to climate change

Increased intensity of pest and diseases

Water use inefficiency

Recomendation

Strategies for narrowing yield gap

Climate smart agricultural practices

Cropping calendar

More grain per drop

Remote sensing and spatial analysis



Unmute



Start Video



Security



Participants 98



Chat



Share Screen



Record



Breakout Rooms



Reactions

Leave

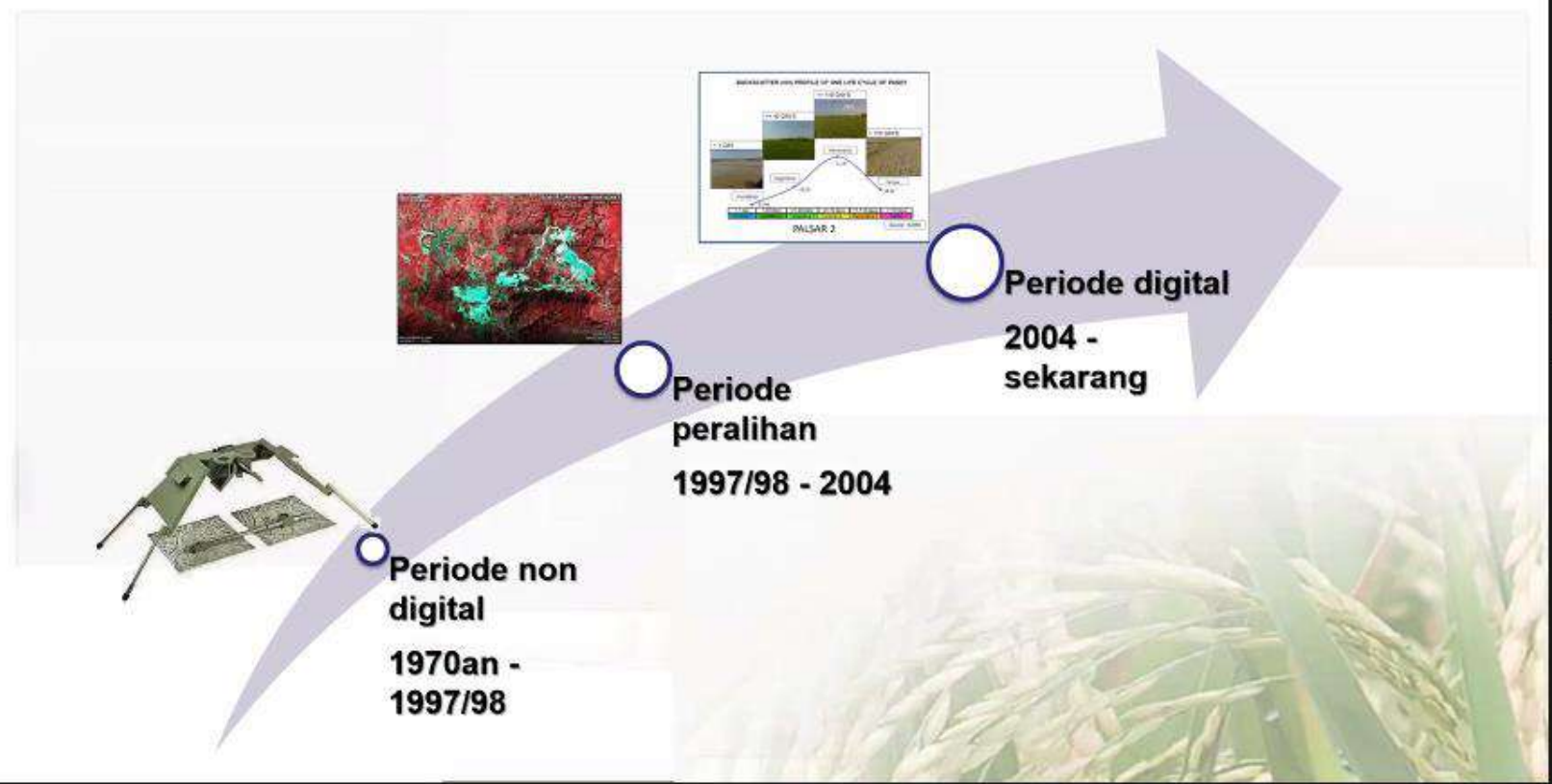


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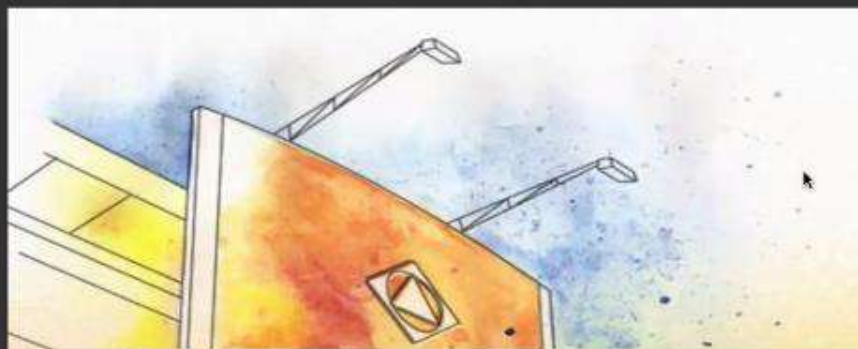
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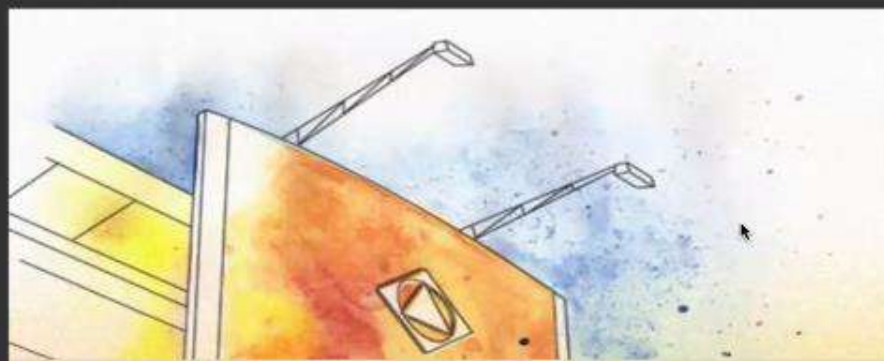


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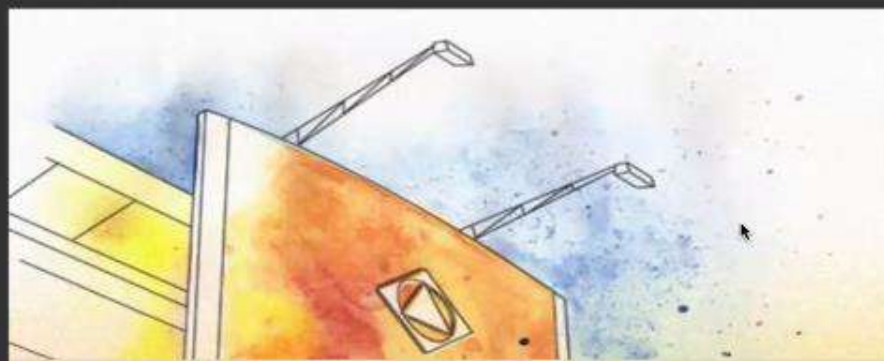


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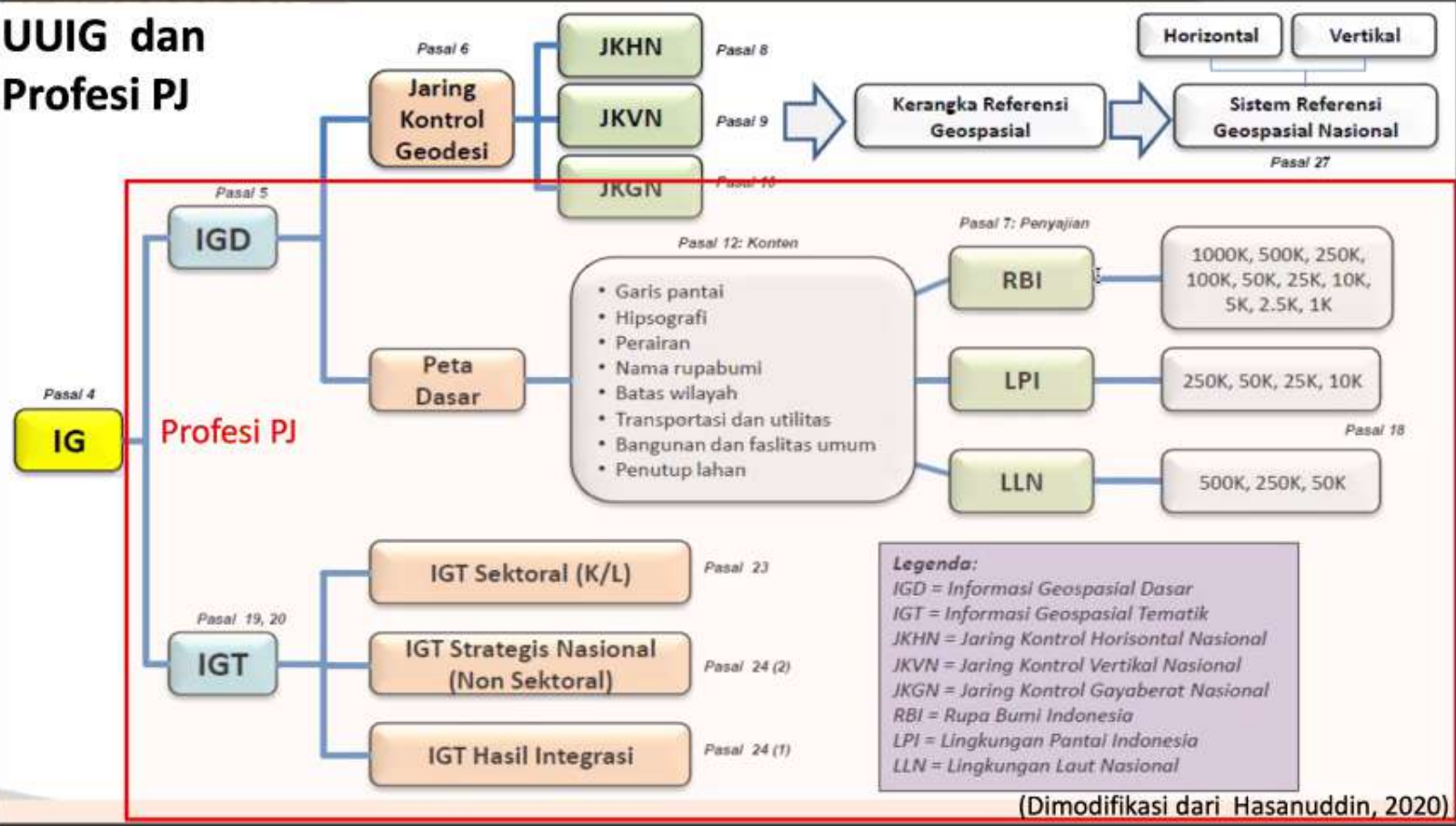
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Pre-Conference APSAR 2021
Kendari, 26 Februari 2021



PEMANFAATAN INSAR UNTUK STUDI DEFORMASI INFRASTRUKTUR JALAN DALAM RANGKA MITIGASI BENCANA (Studi Kasus: Buton Utara, Provinsi Sulawesi Tenggara)

Laode M Golok Jaya
(Fakultas Teknik Universitas Halu Oleo Kendari)



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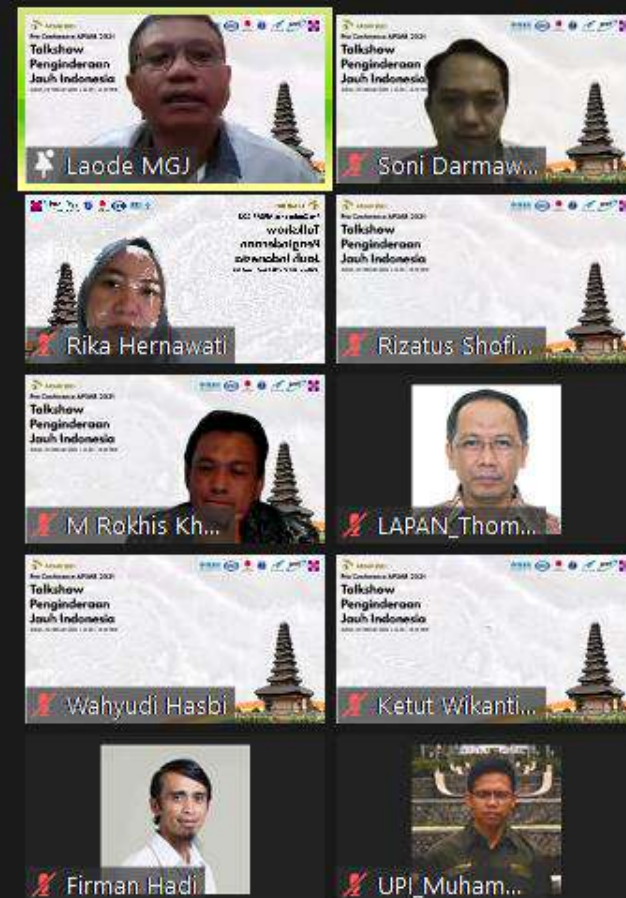
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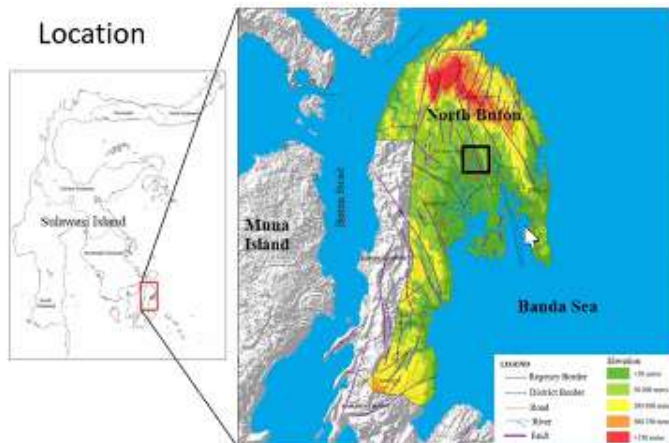


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METODE

Location



Data

Tabel 1. Karakteristik format IW pada Sentinel 1

Characteristic	Value
Swath width	250 km
Incidence angle range	29.1° – 46.0°
Elevation beams	3
Azimuth steering angle	± 0.6°
Azimuth and range looks	Single
Polarization options	Dual HH+HV, VV+VH Single HH, VV
Maximum Noise Equivalent Sigma Zero (NESZ)	-22 dB
Radiometric stability	0.5 dB (3σ)
Radiometric accuracy	1 dB (3σ)
Phase error	5°

Sumber data: Alaska Satellite Facility/Copernicus HUB/USGS
Data yang digunakan Juni 2015 dan Juli 2017



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“

Land cover is the observed (bio)physical cover on the earth's surface.

”

FAO, 2000

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Laode MGJ



Rika Hernawati

Soni Darmawan



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M Rokhis Kh...



LAPAN_Thom...



Ketut Wikanti...



Anindito Sta...



Josaphat Tet...

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FAO, 2000

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Institute of Space & Earth Information Science
The Chinese University of Hong Kong



Center for Remote Sensing (CRS-ITB)
Institute of Technology Bandung

Comparative Study of Significant Wave Height & Energy Over the Open Ocean and Coastal Waters using Sentinel-1 SAR Imagery

Fabian Surya Pramudya, Ph.D

*Earth System and Geo-Information Science
Institute of Space and Earth Information Science,
The Chinese University of Hong Kong, CUHK*

*Center for Remote Sensing
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The Chinese University of Hong Kong



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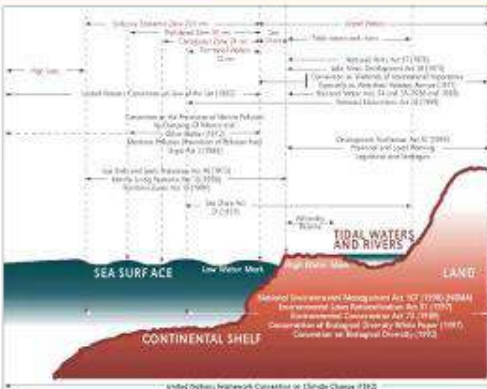
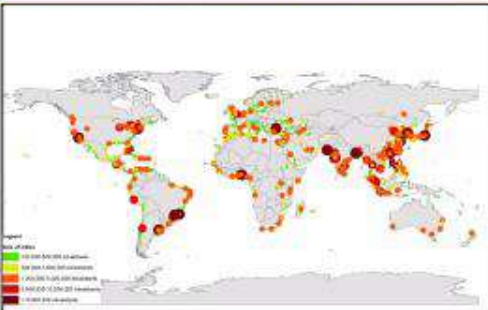
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Fabian S. Pramudya

Where do most of the people lives?



Reliable wave information is critical, particularly for the coastal regions, where large portions of the population concentrate (Barragan and Andreas, 2015; Shaeb et al., 2015; Sandhya et al., 2018).

- ✓ Barragan, J.M., and Andres, M., 2015, Analysis and trends of the world's coastal cities and agglomerations, Ocean and Coastal Management, 114:11-20
- ✓ <https://www.coastal.ca.gov>
- ✓ <https://www.eis.org.au/coast.html>

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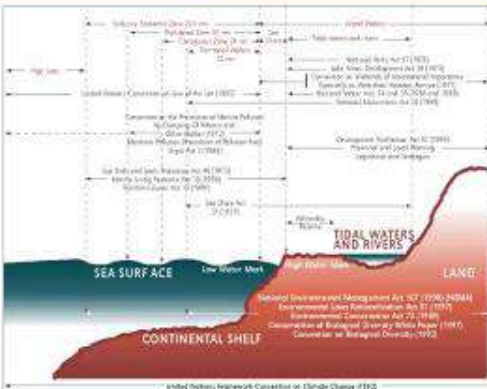
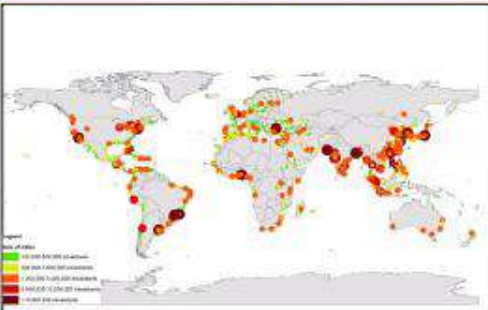
Penginderaan Jauh Indonesia

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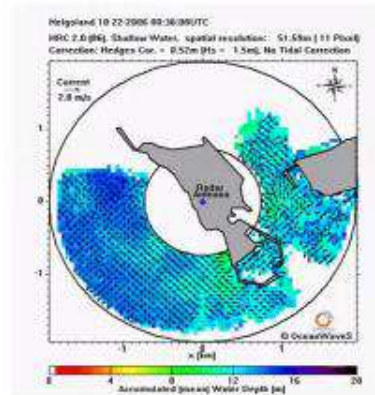
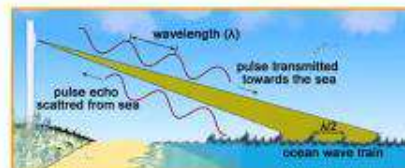
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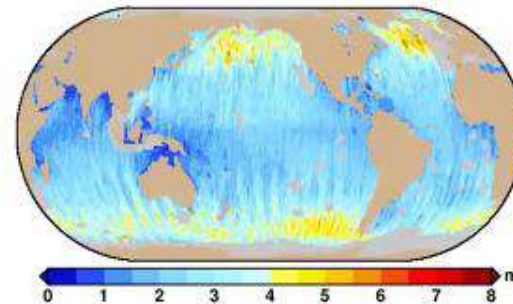
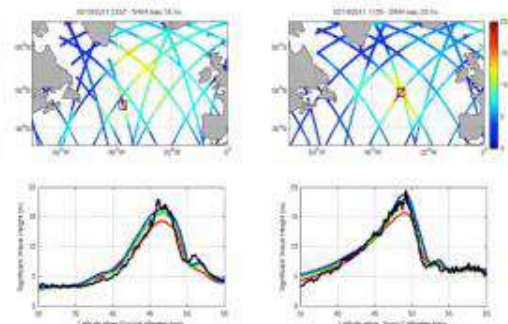
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Radar for Coastal Wave Studies

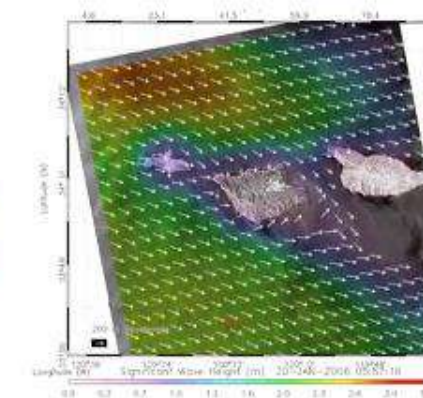
Coastal HF Radar



Satellite Altimetry (CryoSat, Jason-3, Sentinel-3),



Satellite SAR (Cosmo-SkyMed, TerraSAR X, Sentinel-1)



<http://www.oceania.research.um.edu.my>
<http://www.sea-image.com/wamos1.htm>
ESA Learning Platform <http://www.learn-eo.org/>
<https://sentinel.esa.int/web/sentinel/user-guides/sentinel-1-sar>
http://www.boost-technologies.com/esa/sar_wave.html

5



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3:40 PM

Apa Harapan Semua Narasumber bagi mahasiswa yang harus dilakukan kedepan dengan bertumbuhnya kemajuan pengetahuan penginderaan Jauh

2 replies

2

Anonymous

3:58 PM

Citra satelit telah lama digunakan untuk memantau adanya oil spill di laut. Apakah teknologi tersebut dapat membedakan jenis minyaknya (crude oil/produk BBM)?

try

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Anonymous

2:10 PM

0

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In the Meeting (80)

Rika Hernawati (Co-host, me)  Wahyudi Hasbi (Host)  Ketut Wikantika (Co-host)  Kamal Nur Fauzan (Co-host)  Safriana Afifatul (Co-host)  Fabian S Pramudya  Firman Hadi  SD Soni Darmawan   S R Bening Pratiwi K   1725003_ Tasia Kirana  AF Ahmad Fauzi  

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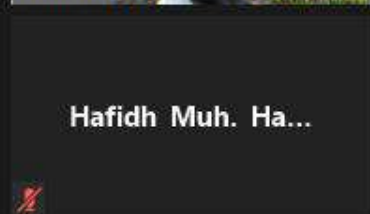
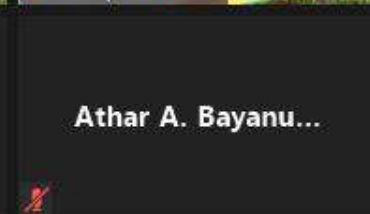
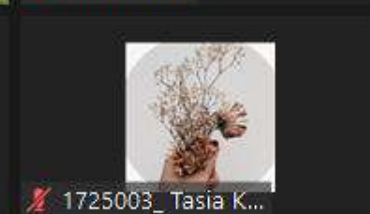
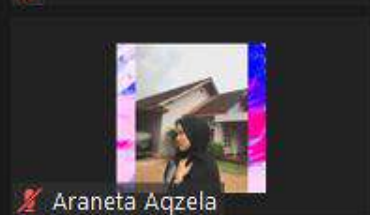
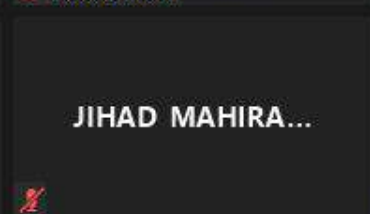
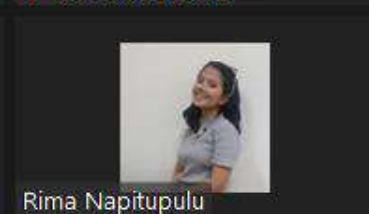
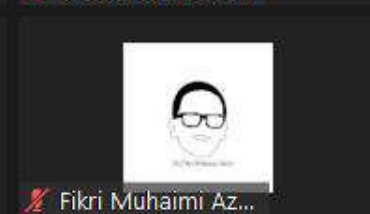
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 Araneta Aqzela	 Alinda Zain	 Safriana Afifatul	 Kamal Nur Fauzan	 Markus-BBSDLP
 Fikri saepulloh	 JIHAD MAHIRA...	 Rima Napitupulu	 Fikri Muhaimi Az...	 Derick Masse



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Breakout Rooms



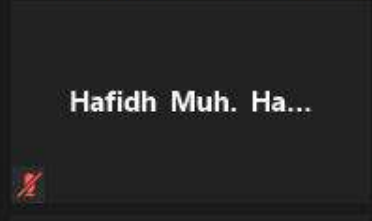
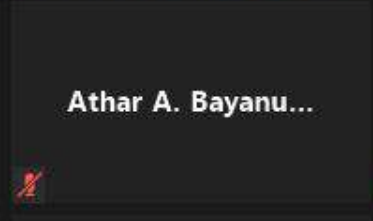
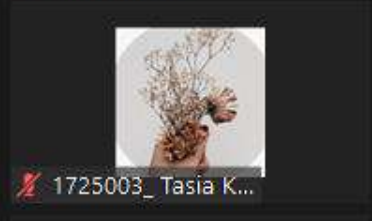
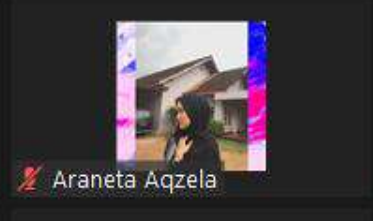
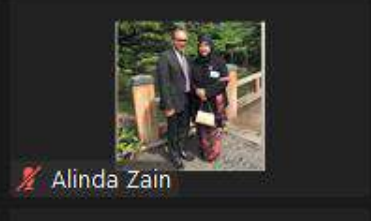
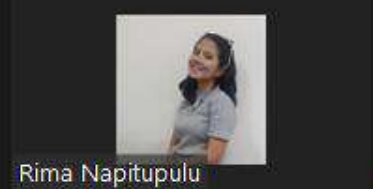
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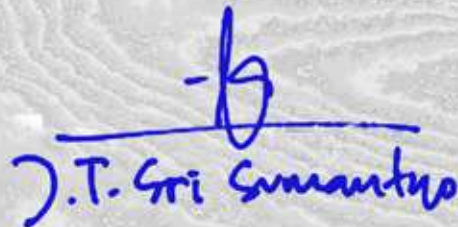
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26th February 2021

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Asia-Pacific Conference on Synthetic Aperture Radar
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J.T. Sri Sumantyo

Prof. Josaphat Tetuko Sri Sumantyo



Prof. Ketut Wikantika