



INTERNATIONAL  
SEMINAR

# PROGRAM BOOK



# Jogja Earthquake in Reflection

COMMEMORATING 10 YEARS OF YOGYAKARTA EARTHQUAKE

INNA GARUDA HOTEL 24 - 26 MAY 2016

ORGANIZED BY :



UPN VETERAN YOGYAKARTA

SUPPORTED BY :



**JOGJA EARTHQUAKE IN REFLECTION 2016**  
"Commemorating 10 years of Yogyakarta Earthquake"



**TECHNICAL PROGRAM GUIDE**

**"Be A Part Of The Reflection,  
It's A Reflection For All Of Us"**

**Hotel Inna Garuda, Yogyakarta  
24 - 26 May 2016**

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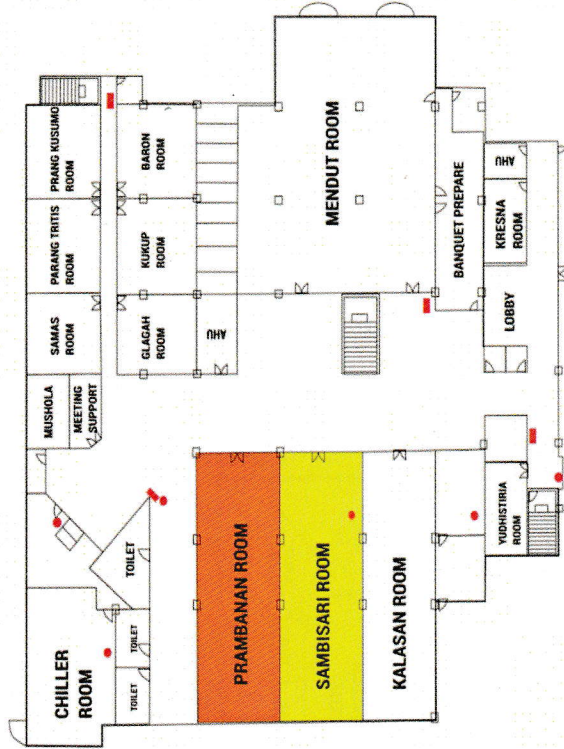
LAYOUT AND EVACUATION PLAN

SCHEDULE OF JER 2016

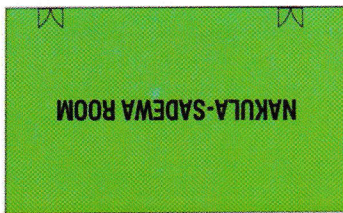
ABSTRACT OF PAPERS



# SEMINAR PLAN

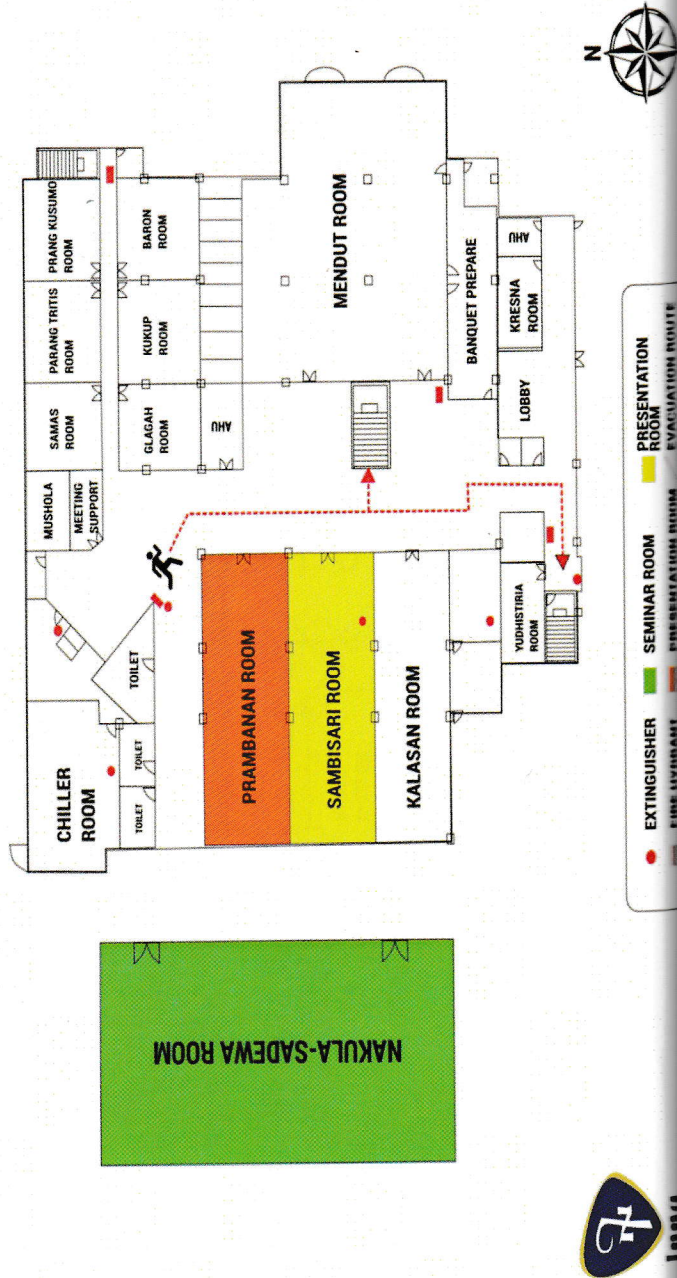


- EXTINGUISHER
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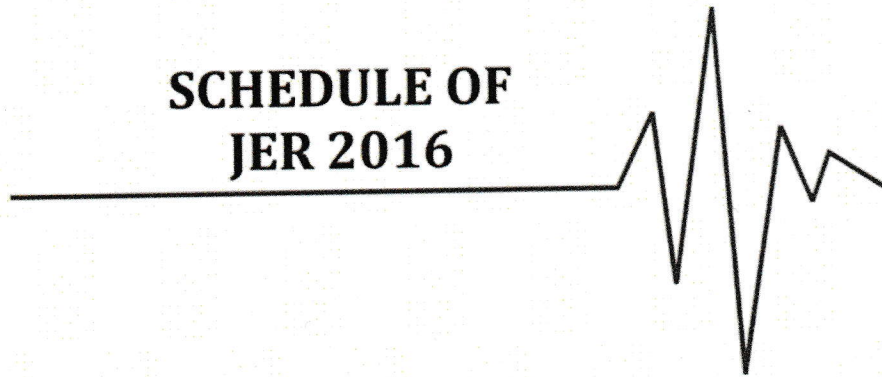




# EVACUATION PLAN



**SCHEDULE OF  
JER 2016**





**INTERNATIONAL SEMINAR  
JOGJA EARTHQUAKE IN REFLECTION 2016  
HOTEL INNA GARUDA – YOGYAKARTA, 24 – 26 MAY 2016**

**Day 1 Plenary Session (Tuesday, 24 May 2016)  
Room: Nakula Sadewa**

Time	Activities	Venue/Speaker	Moderator
1 07.30-09.00	Registration	In front of Nakula Sadewa Room, Second Floor, Inna Garuda Hotel	
2 09.00-09.05	Safety Induction	Nakula Sadewa Room	
3 09.05-09.30	Opening Ceremony Welcoming Speech	Nakula Sadewa Room 1. DR. C. Praseyandi M.Sc. (Head of Committee) 2. Prof. DR. Sari Bahagiarti Kusumayudha (Rector of University of Pembangunan Nasional "Veteran" Yogyakarta)	Master of Ceremony
4 09.30-10.00	Keynote Speech Plenary Session 1	Nakula Sadewa Room Sri Sultan Hamengku Buwono X	
5 10.00-10.30		Coffee Break	
6 10.30-11.15	Keynote Speech Plenary Session 2	Nakula Sadewa Room Dr. Andi Eka Sakya M. Eng. (Head of BMKG)	
7 11.15-11.55	Keynote Speech Plenary Session 3	Nakula Sadewa Room <i>Who's Next? In Harm's Way Overview of Indonesia</i> Prof. DR. Ron A. Harris (Brigham Young University, Utah, USA)	Prof. DR. C. Danisworo
8 12.00-13.00		Lunch Break Inna Garuda Restaurant (Ground Floor)	



Day 1 Parallel Session (Tuesday, 24 May 2016)

Room: Prambanan

Time	Presenter	Title	Moderator
1 13.00-13.20	<b>Purbudi Wahyuni</b> University of Pembangunan Nasional "Veteran" Yogyakarta	Disaster Awareness Behaviour of People in Epicentrum Area: Case Study in Sriharsono Village, Pundong Subdistrict, Bantul regency, Yogyakarta	<b>Prof. Dr. C. Danisworo</b>
2 13.20-13.40	<b>Wiko Setyonegoro</b> Indonesian Agency for Meteorological, Climatological and Geophysics (BMKG)	What Is The Impact If Rail Fast Line Jakarta - Bandung Intersected By Fault?	
3 13.40-14.00	<b>Sri Mulyaningih</b> AKPRIND Institute of Science and Technology	Volcano-Tectonics Controlling The Damages Of Collapsing Temples In Yogyakarta Special Region	
4 14.00-14.20	<b>Supartoyo</b> Centre of Volcanology and Geological Hazard Mitigation (PVMBG)	Morphotectonic Analysis To Identify Opak Fault (Preliminary Result)	
5 14.20-14.40	<b>Sarwidi</b> Islamic University of Indonesia	Earthquake Disaster Risk Reduction By Application Of Earthquake Engineering: The Evaluation Of Ductility Of A Medium Rise Campus Building Under Alternative Force Models	
<b>Coffee Break</b>			
6 14.40-15.10	<b>Asmoro Widagdo</b> University of Gadjah Mada	Preliminary Overview of the Character, Patterns and Styles of The Geologic Structure of Kulon Progo Mountains Area and Its Potential as a Source of The Geological Structural Damage	<b>Dr. C. Prasetyadi</b>
7 15.10-15.30	<b>Suharto</b> STIE IEL Surabaya	Telecommunication Infrastructure For Post Disaster Recovery In Yogyakarta	
8 15.30-15.50	<b>Istiana Rahmatwati</b> University of Pembangunan Nasional "Veteran" Yogyakarta	The Role of Human and Sociocultural Resources on Economic Recovery in The Most Damaged Area Due to Yogyakarta Earthquake 2006	
9 15.50-16.10	<b>Andi Laksamana</b> University of Hasanudin	Analysis Of Jetty Technology Applications To Prevent Abrasion On Makassar Beach Area, South Sulawesi Province	
10 16.10-16.30	<b>Kahar Sunoko</b> Institute of Technology Sepuluh Nopember	3S Concept (sakanané-sakitané-sakadadiné) and 4N (niténi-niroaké-nam baha ké-nemoaké) As Independence Being Victims In Post-Earthquake Reconstruction.	



Day 1 Parallel Session (Tuesday, 24 May 2016)

Room: Sambisari

Time	Presenter	Title	Moderator
1 13.00-13.20	<b>Pamela Rizky</b> Centre of Volcanology and Geological Hazard Mitigation (PVMBG)	A Review on Mechanism of Landslides Induced by Earthquake in Sumatra	<b>Prof. Dr. Bambang Prastistho</b>
2 13.20-13.40	<b>Indra Andra Dinata</b> Institute of Technology Bandung	Seismic Analysis Methods for Evaluating Seismic Response of Steep Slopes in Bull Run Watershed, Portland, Oregon	
3 13.40-14.00	<b>Rhegie Wiganda</b> University of Gadjah Mada	An Urban Design Framework for Tsunami Evacuation Safety	
4 14.00-14.20	<b>Bambang Sunardi</b> Indonesian Agency for Meteorological, Climatological and Geophysics (BMKG)	Real Time Observation System for earthquake Precursors Study in Yogyakarta	
5 14.20-14.40	<b>Dewi Kania</b> University of Padjajaran	Risk Analysis and Tsunami Hazard Zonation in Coastal Area of Banyuwangi District, East Java	
6 14.40-15.10	<b>Budhi Setiawan</b> University of Sriwijaya	<b>Coffee Break</b>	
7 15.10-15.30	<b>Haryo Santosa</b> STIE IJU Surabaya	LARAM in Development Of Climate Change Adaptation Strategies : A Conceptual Model	
8 15.30-15.50	<b>Hendri</b> University of Papua	The Impact of Supply Chain on Economic Post Disaster Recovery	
9 15.50-16.10	<b>Indra Permanaajati</b> University of Padjajaran	Coastal Hazard Management Due To Extreme Climate Condition In The Bird's Head Papua	
10 16.10-16.30	<b>Faid Muhlis</b> University of Pembangunan Nasional "Veteran" Yogyakarta	Correlation of Geoelectric and the Test Pit to Determine Position of Sliding Surface in the Prendengan Landslide , Banjarnegara Regency, Central Java Province	
10 16.30-16.50		Identification Landslide Risk Zone Based On Sliding Plane Directions On Weathered Layer Using Seismic Refraction Method	<b>Dr. Joko Susilo</b>



Day 2 Plenary Session (Wednesday, 25 May 2016)

Room: Nakula Sadewa

Time	Activities	Speakers/Venue	Moderator
1 09.00-09.45	Keynote Speech Plenary Session 4	Nakula Sadewa Room Willem Rampangilei (Head of BNPB)	Dr. C. Prasetyadi
2 09.45-10.30	Keynote Speech Plenary Session 5	Nakula Sadewa Room Post earthquake disaster community planning for mitigation and recovery Prof. Dr. Yoshimitsu Shiozaki	
3 10.30-10.45		Coffee Break	
4 10.45-11.30	Keynote Speech Plenary Session 6	Nakula Sadewa Room Engineering for Earthquake Impact Rescue and Recovery in the 2016 Mei Nong Earthquake in Taiwan Prof. Jian-Hong Wu	Dr. Eko Teguh Paripurno
5 11.30-12.15	Keynote Speech Plenary Session 7	Nakula Sadewa Room Future earthquake-resistant structures using natural materials Dr. Ing. Nawawi Chouh	
6 12.15-13.00		Lunch Break	
Inna Garuda Restaurant (Ground Floor)			
Time	Activities	Remarks	Moderator
1 17.00 - 17.05	Closing Ceremony	Closing from Chairman Committee (Dr. C. Prasetyadi)	Master of Ceremony
2 17.05 - 17.15		Winner Announcement for Article Competition	
3 17.15 - 17.25		Winner Announcement for Poster Competition	
4 17.25 - 17.30		Best Paper Announcement	
4 17.30 - 17.35		Closing by MC	



Day 2 Parallel Session (Wednesday, 25 May 2016)

Room: Prambanan

Time	Presenter	Title	Moderator
1 13.00-13.20	<b>Sulastri Shahzad</b> Indonesian Agency for Meteorological, Climatological and Geophysics (BMKG)	Assessing the Human Vulnerability to Earthquake Hazard of Regencies in Yogyakarta. (Case Study in M 6.3 Yogyakarta Earthquake, May 26th, 2006)	<b>Prof. Dr. C. Damsiworo</b>
2 13.20-13.40	<b>Singgih Saptono</b> University of Pembangunan Nasional "Veteran" Yogyakarta	Seismic Stability Analysis of Banjar Sari Coal Mining Area Project, Lahat, South Sumatra.	
3 13.40-14.00	<b>Mohammad Ghozi</b> University of Bhayangkara Surabaya	Performance Based of Old Steel Structure According to SNI-1726-2012 Earthquake Design	
4 14.00-14.20	<b>Nanda Najih</b> University of Padjadjaran	The Ellipsoidal Slip Surface Model Solving By Inegration For Slope Stability Analysis in Jatimangor Landslide-Prone Area	
5 14.20-14.40	<b>Khin Myo Tun</b> University of Gadjah Mada	Seismic Hazard Mapping using Microtremor Measurements of Ende area in East Nusa Tenggara, Indonesia	
14.40-15.10	<b>Coffee Break</b>		
6 15.10-15.30	<b>Taufiq Had</b> University of Padjadjaran	Risk Analysis and Zonation of Ground Movement Vulnerability in Garut Regency	
7 15.30-15.50	<b>Oktafia Lovita</b> Institute of Technology Sepuluh Nopember	Analysis Of Changes In Weather On The Island Of Sumatra A Result Forest Fires Using The Image Satellite Terra Modis	
8 15.50-16.10	<b>Aulia Rahmatika</b> University of Gadjah Mada	Seismic Microzonation Of Biak, Papua Using Microtremor Observations	
9 16.10-16.30	<b>Adrin Tohari</b> Indonesian Institute of Sciences (IPI)	Liquefaction Susceptibility Microzonation For Bantul Regency, Jogjakarta	
10 16.30-16.50	<b>Indra Santosa</b> STIE IEU Surabaya	The Impact of Different Model on Economic Post Disaster Recovery	

**Heri Riswandi, M.T**



**Day 2 Parallel Session (Wednesday, 25 May 2016)**  
**Room: Sambisari**

Time	Presenter	Title	Moderator
1 13.00-13.20	<b>Widya Utama</b> Institute of Technology Sepuluh Nopember	Seismicity of Yogyakarta Based on Subduction Angle Analysis	<b>Prof. Dr. Bambang Prastitno</b>
2 13.20-13.40	<b>Wifandy Purba</b> Asian Institute of Technology	Seismic Hazard Information And Utilization Eight Years Post Jogja Earthquake: Analysis On Risk Communication Between Government, Academics And Community	
3 13.40-14.00	<b>Nuning Mutha Waode</b> Institute of Technology Sepuluh Nopember	Analysis Of Deformation Due to Earthquake Using Data SUGAR (Sumatran GPS Array): Mentawai Islands Case Study Of October 25, 2010 Earthquake	
4 14.00-14.20	<b>Dina Tri</b> Institute of Technology Sepuluh Nopember	Utilization Of Remote Sensing Image For Monitoring Landuse Changes Caused By Flash Flood (Case Study: Situbondo District)	
5 14.20-14.40	<b>Nwai Le Ngal</b> University of Gadjah Mada	Ambient Noise Measurements and Horizontal to Vertical Spectral Ratio (HVSr) Method	
14.40-15.10	<b>Coffee Break</b>		
6 15.10-15.30	<b>C. Prasetyadi</b> University of Pembangunan Nasional "Veteran" Yogyakarta	Surfacal Features of Opak Fault Zone	<b>Dr. Joko Susilo</b>
7 15.30-15.50	<b>Meraty Rahmadini</b> Institute of Technology Sepuluh Nopember	NDVI Analysis Of Multi Temporal Satellite Imagery LANDSAT For Mapping Deforestation In North Aceh Regency	
8 15.50-16.10	<b>Diohan Rizal Prasetya</b> University of Trisakti	Study Of Disasters: Geology, Mitigation, And Area Ecotourism Village Silih, Trenggalek District, East Java	
9 16.10-16.30	<b>Dian Ambarwati</b> SHE EU Surabaya	The Influence Of Seismic Hazard And Earthquake Engineering In The Improvement Of Human Resources Post- Disaster Yogyakarta	
10 16.30-16.50	<b>Safidatul Audah</b> Institute of Technology Sepuluh Nopember	Utilization Of GPS Data Sugar For Monitoring North Sumatra Precipitable Water Vapour In The Mount Sinabung	



**Day 3 FIELDTRIP (Thursday, 26 May 2016)**  
**Registration & Fee Rp. 750,000 per person**

Time	Location	Activities	Instructor
1 07.30 - 08.00	Inna garruda Hotel Lobby	All "Napak Tilas" (Commemorating Fieldtrip) participants gather in determined place	IER Committee
2 08.00 - 09.00		All participants depart to Srihardono Village, Pundong, Bantui	Dr. C. Prasetyadi & Dr. Eko Teguh Paripurno
3 09.00 - 09.30	Srihardono Village, Pundong, Bantui	Reflect the earthquake back by observing the rest of some rubbles of earthquake and the meeting point of Opak-Oyo River.	
4 09.30 - 10.00		The participants depart together heading for the location of Kembangsono Fault in Trimulyo, Imogin	
5 10.00 - 11.00	Kembangsono Fault, Trimulyo, Imogin.	The participants will see the geological phenomena like the traces of Opak Fault Zone that still recorded in the hard volcanic rocks (compact or known as "bed rock" that consist of older rock formations, often known as Semilir Formation)	Dr. C. Prasetyadi
6 11.00 - 11.30		All participants depart to Sate Klathak Pak Pong Restaurant to take a rest and lunch.	
7 11.30 - 12.30	Sate Klathak Pak Pong Restaurant	All participants will have lunch, take a rest, and prayer time.	IER Committee
8 12.30 - 13.00		All participants depart to Kedulan temple	
9 13.00 - 13.30	Kedulan Temple	The participants will see the phenomenon of Kedulan Temple damages caused by "ancient" earthquake that ever happened in Yogyakarta and surround	Dr. C. Prasetyadi & Dr. Eko Teguh Paripurno
10 13.30 - 14.00	Kedulan Temple	The closing of "Napak Tilas"	