

Time	Event	Information
<b>Tuesday, 7 July 2026</b>		
07:00 – 08:00	Registration	
08:00 – 09:00	Opening ceremony <ul style="list-style-type: none"> <li>❖ Traditional dance</li> <li>❖ National anthem</li> <li>❖ Speech by the President of Indonesian Catalyst Society (Prof. I. G. B. N. Makertiharta)</li> <li>❖ Speech by the Chair of Indonesian Catalysis Conference 2026 (Dr. Wirawan Ciptonugroho)</li> <li>❖ Speech by the Ministry of Science, Technology, &amp; Higher Education (Prof. Brian Yuliarto)</li> <li>❖ Inauguration of a newly found <u>Research Centre for Adsorption &amp; Catalysis</u> at Universitas Sebelas Maret by the President of UNS (Prof. Hartono)</li> </ul>	Ball Room
09:00 – 09:15	<b>Coffee Break</b>	
09:15 – 10:15	Plenary Lecture by <b>Prof. Masahiro Miyauchi</b> (Tokyo Institute of Technology, Japan)	Ball Room Moderator: Dr. Osi Arutanti (BRIN)
10:15 – 11:15	Plenary Lecture by <b>Dr. Oki Muraza</b> (PT Pertamina, Indonesia)	Ball Room Moderator: Dr. Jenny Rizkiana (Institut Teknologi Bandung, Indonesia)
11:15 – 12:15	Plenary Lecture by <b>Prof. Dmitry Y. Murzin</b> (Abo Academy University, Finland)	Ball Room Moderator: Dr. C. B. Rasrendra (Institut Teknologi Bandung)
12:15 – 13:30	<b>Lunch Break</b>	
13:30 – 15:00	Parallel Sessions	Designated Classes

Time	Event	Information
15:00 – 15:30	<b>Coffee Break</b>	
15:30 – 17:00	Parallel Sessions	Designated Classes
<b>Wednesday, 8 July 2026</b>		
07:00 – 08:00	Registration	
08:00 – 09:00	Plenary Lecture <b>by Prof. Jan Weigand</b> (TU Dresden, Germany)	Ball Room Moderator: Dr. Yudha P. Budiman (Universitas Padjadjaran, Indonesia)
09:00 – 09:30	Plenary Lecture by <b>Dr. Anawat Ketchong</b> (Siam Cement Group/SCG, Thailand)	Ball Room Moderator: Dr. Wirawan Ciptonugroho (Universitas Sebelas Maret)
09:30 – 10:00	Plenary lecture by <b>Prof. Istadi</b> (Universitas Diponegoro, Indonesia)	Ball Room Moderator: Dr. Jenny Rizkiana (Institut Teknologi Bandung, Indonesia)
10:00 – 10:15	<b>Coffee Break</b>	
10:15 – 12:00	Parallel Sessions	Designated Classes
12:00 – 13:00	Lunch Break	
13:30 – 14:45	Parallel Sessions	Designated Classes
15:00 – 15:30	Coffee Break & Closing	Closing at the Ball room

## Parallel Sessions on **DAY 1 (7<sup>th</sup> July 2026)**

### Day 1 – Parallel 01

**Topic : Catalytic conversion & valorization of biomass & renewable sources**

**Moderator : Dr. Ubed S. F. Arrozi (Universitas Negeri Malang)**

Time	Presenter	Title	Affiliation (Country)
13.30 - 14.00	Dr. Lee Hwei Voon (INVITED SPEAKER)	Catalytic Strategies for Biomass Valorisation toward Sustainable Fuels and Chemicals	Universiti Malaya (Malaysia)
14.00 - 14.15	Ms. Umu Mutiah	Tungstophosphoric acid (TPA) supported on magnetic biochar from sugar palm fibre ( <i>Arenga pinnata</i> ) as a catalyst for levulinic acid esterification to butyl levulinate	Universitas Sebelas Maret (Indonesia)
14.15 - 14.30	Dr. Nazrizawati Ahmad Tajuddin	Sustainable Biodiesel Production from Waste Cooking Oil Using Alkali-Free Ca-Al Layered Double Hydroxide Catalyst: Process Characterization and Optimization	Universiti Teknologi Mara (Malaysia)
14.30 - 14.45	Dr. Indri Badria Adilina	SiO <sub>x</sub> decoration boosts the catalytic activity and selectivity of mono and bimetallic Ni biochar catalysts for CO <sub>2</sub> hydrogenation reaction	BRIN (Indonesia)
14.45 - 15.00	Dr. Nino Rinaldi	Upgrading of Bio-Crude Oil Using Al-Sn Pillared Clay Solid Acid Catalysts: Structural Characteristics and Catalytic Performance	BRIN (Indonesia)
15.00 - 15.30	<b>Coffee break</b>		
15.30 - 15.45	Dr. Nur Hidayati	Characterization, Catalytic Performance, and Reusability of Cesium Phosphotungstic Acid Supported on Palm Shell-Derived Carbon for Glycerol Acetylation	Universitas Muhammadiyah Surakarta (Indonesia)
15.45 - 16.00	Ms. Nur Amiratul Jannah Binti Daud	Effect of Different Sulfonating Agents on Polydivinylbenzene Catalyst for Glycerol Conversion	Universiti Teknologi Mara (Malaysia)
16.00 - 16.15	Mr. Samuel Krishna Wira Waskita	Effect of Aging Time and Crystallization Temperature on Na-ZSM-5 Synthesized from Bangka Belitung Metakaolin: Laboratory-Scale Optimization toward Pilot-Scale Synthesis	PERTAMINA (Indonesia)

### Day 1 – Parallel 01

**Topic : Catalytic conversion & valorization of biomass & renewable sources**

**Moderator : Dr. Ubed S. F. Arrozi (Universitas Negeri Malang)**

Time	Presenter	Title	Affiliation (Country)
16.15 - 16.30	Mr. Yano Surya Pradana	Evaluating the Effect of Calcination Temperature on the Performance of Sulfated Tin(IV) Oxide Catalyst for Fatty Ester Isomerization	Universitas Gajah Mada (Indonesia)
16.30 - 16.45	Ms. Noerma Juli Azhari	Coke-Resistant Metal-Free MFI Zeolite Catalysts for BTX Production via Alkene Aromatization	Institut Teknologi Bandung (Indonesia)
16.45 - 17.00	Mr. Hadyan Arisyi	Synthesis of CaO Catalyst Nanoparticles from Gypsum Waste-Derived Calcium Sulfate	Universitas Widya Mandala Surabaya (Indonesia)
17.00 - 17.15	Mr. Trias Alzatory Eryada	Recent Advances in Base-Catalyzed Deoxygenation of Renewable Oils for Green Diesel and Biojet Fuel Synthesis	Institut Teknologi Sepuluh November (Indonesia)

### Day 1 - Parallel 02

**Topic : Heterogeneous catalysis; Catalysis for organic synthesis in pharmaceutical & fine chemicals.**

**moderator : Prof. Rodiansono (Universitas Lambung Mangkurat)**

Time	Presenter	Title	Affiliation (Country)
13.30 - 14.00	Prof. Witri Wahyu Lestari (INVITED SPEAKER)	Effect of $-NH_2$ Functionalization on the Catalytic Performance of UiO-66(Hf) in Isoamyl Acetate Transesterification	Universitas Sebelas Maret (Indonesia)
14.00 - 14.15	Ms. Ingelia Yuan Fernanda	Mesoporous Aluminosilicates Derived from Bangka Kaolin Using Sapindus rarak as a Green Template for Sustainable Aviation Fuel	Institut Teknologi Sepuluh November (Indonesia)
14.15 - 14.30	Mr. Vito Bintang Saputra	Comparative Study of Solvothermal and Mechanochemical of UiO-66(Hf) for Catalytic Transfer Hydrogenation of Ethyl Levulinate to $\gamma$ -Valerolactone	Universitas Sebelas Maret (Indonesia)

### Day 1 - Parallel 02

**Topic** : Heterogeneous catalysis; Catalysis for organic synthesis in pharmaceutical & fine chemicals.  
**moderator** : Prof. Rodiansono (Universitas Lambung Mangkurat)

Time	Presenter	Title	Affiliation (Country)
14.30 - 14.45	Dr. Leily Nurul Komariah	Synergistic Effects of Ni–Cu Bimetallic Catalysts and Alkalinity in Glycerol Conversion to Lactic Acid under CO <sub>2</sub> Atmosphere	Universitas Sriwijaya (Indonesia)
14.45 - 15.00	Mr. Syaharil bin Saidin	Synergistic Effect of Substituents bearing Imine Functionalized Magnetite towards Efficacy of Gold Nanoparticles in Catalytic Reduction of 4-Nitrophenols	Universiti Malaysia Trellanganu (Malaysia)
15.00 - 15.30	<b>Coffee Break</b>		
15.30 - 15.45	Dr. Stella Jovita	Natural Template-Assisted Mesoporous Aluminosilicate: Green Synthesis, Structural and Morphological Control, Mechanistic Insights, and Bibliometric Analysis	Institut Teknologi Sepuluh November (Indonesia)
15.45 - 16.00	Ms. Desindy Ramadhani Putri	Unraveling Support Effects in Au Nanoparticle Catalysts: KIT-6 Silica and Inverse Mesoporous Carbon for p-Nitrophenol Reduction	Institut Teknologi Bandung (Indonesia)
16.00 - 16.15	Mr. Fuady Hanief	Enhancing Octane Number via n-Paraffin Reforming over Modified Pt/γ-Al <sub>2</sub> O <sub>3</sub> -Sn Catalyst	Universitas IPB (Indonesia)
16.15 - 16.30	Ms. Lailatul Badriyah	Enhanced Hydrocracking Performance of NiW/Zelite Beta-γ-Al <sub>2</sub> O <sub>3</sub> Catalyst: Effect of Hydrothermal Crystallization on Acidity and Catalytic Activity	Universitas Diponegoro (Indonesia)
16.30 - 16.45	Dr. Jenny Rizkiana	A Comparative Study of Potassium and Calcium Oxide on Alumina Support for Biodiesel Production via Transesterification	Institut Teknologi Bandung (Indonesia)
16.45 - 17.00	Mr. Anjas Bimanyu	Acid-Directed Mesoporous Silica Synthesis: Bibliometric Trends, Mechanistic Insights, and Sustainable Design Strategies	Institut Teknologi Sepuluh November (Indonesia)

**DAY 1 – Parallel 03**

**Topic : Photocatalysis**  
**Moderator : Prof. Yuichi Kamiya (Hokkaido University)**

Time	Presenter	Title	Affiliation (Country)
13.30 - 14.00	Dr. Wibawa Hendra Saputra <b>(INVITED SPEAKER)</b>	Defect-Engineered Metal/TiO <sub>2</sub> Interfaces for Photocatalytic Greenhouse Gas Valorization to Methanol	Institut Teknologi Bandung (Indonesia)
14.00 - 14.15	Prof. Dr. Jeffrey C. S. WU	Heterojunction Photocatalysts for Seawater Splitting in a Novel Twin Photoreactor to Simultaneously Separate H <sub>2</sub> and O <sub>2</sub>	National Taiwan University (Taiwan)
14.15 - 14.30	Dr. Febio Dalanta	Spacer-engineered nitrogen-rich carbon nitride nanosheets for sustainable solar-driven photocatalytic overall water splitting	BRIN (Indonesia)
14.30 - 14.45	Dr. Diana Vanda Wellia	Synergistic Effect of Nitrogen Doping and Pore-Forming Agents on TiO <sub>2</sub> for Enhanced Visible-Light Photocatalytic Reduction of Cd(II)	Universitas Andalas (Indonesia)
14.45 - 15.00	Ms. Siska Mutiara	Photocatalytic Decarboxylation of Stearic Acid to Alkanes over Pristine and Metal-Modified TiO <sub>2</sub> Catalysts	Institut Teknologi Bandung (Indonesia)
15.00 - 15.30	<b>Coffee Break</b>		
15.30 - 15.45	Ms. Adilla Kusumadiyani Sasongko	Green Synthesis of ZnO–CuO Nanoparticles Using Leucaena leucocephala Leaf Extract: Characterization and Photocatalytic Application	Institut Teknologi Bandung (Indonesia)
15.45 - 16.00	Mr. M. Fahmi Hakim	Photoelectrochemical Performance of BiOBr/TiNTAs Photoanode for Enhanced Electricity Generation, POME Degradation, and Hydrogen Evolution in Photocatalytic Fuel Cells	Universitas Indonesia (Indonesia)
16.00 - 16.15	Dr. Mar'atul Fauziyah	Enhanced Visible-Light Photocatalysis of CuO/ZnO Composites Synthesized by Microwave-Assisted Methods for Dye Degradation	Universitas Brawijaya (Indonesia)
16.15 - 16.30	Dr. Christina Wahyu Kartikowati	Construction of TiO <sub>2</sub> /CuO Heterojunctions via Microwave-Assisted Synthesis for Enhanced Visible- Light Photocatalytic Removal of Rhodamine B	Universitas Brawijaya (Indonesia)
16.30 - 16.45	Mrs. Novy Pralisa Putri	Harvesting C <sub>2</sub> + Products from Concurrent Photocatalytic of CO <sub>2</sub> Reduction and Biomass Reforming	(Taiwan)

**DAY 1 – Parallel 04**

**Topic : Electrocatalysis and Photoelectrocatalysis**  
**Moderator : Dr. Riski Agung Nata Utama (BRIN) & Dr. Eduardus Budi Nursanto (Universitas Pertamina)**

Time	Presenter	Title	Affiliation (Country)
13.30 - 14.00	Dr. Munawar Khalil ( <b>INVITED SPEAKER</b> )	Mxenes: Emerging Two-Dimension Materials for Sustainable Electrochemical Technologies	Universitas Indonesia (Indonesia)
14.00 - 14.15	Ms. Naila Khoirina	Bifunctional Oxygen Electrocatalysis Enabled by Conductive NiFe-PBA–Carbon Composite for Advanced Zinc–Air Batteries	Institut Teknologi Sepuluh Nopember (Indonesia)
14.15 - 14.30	Dr. Riski Agung Nata Utama	Effects of Acid Treatment and Dry Ball Milling of Biochar for Electrocatalytic Hydrogen Production	BRIN (Indonesia)
14.30 - 14.45	Ms. Zuhriah Mumtazah	Highly efficient and robust noble-metal-free NiFe-xS bifunctional electrocatalyst enabled by sulfur-tuned multidirectional charge redistribution	Institut Teknologi Sepuluh Nopember (Indonesia)
14.45 - 15.00	Dr. Grandprix Thomryes Marth Kadja	Advancing Two-Dimensional MXene Nanosheet-Based Electrocatalysts for Enhanced Hydrogen Evolution Reaction	Institut Teknologi Bandung (Indonesia)
15.00 - 15.30	<b>Coffee Break</b>		
15.30 - 15.45	Ms. Annisa Khairiyah Ramadhani	Investigation of Nickel Ferrite as a Potential Electrocatalyst for Seawater Battery Application	Institut Teknologi Sepuluh Nopember (Indonesia)
15.45 - 16.00	Ms. Fida Nuralifah Rahmani	Ti <sub>2</sub> C MXene as an Efficient Electrocatalyst for the Hydrogen Evolution Reaction on Glassy Carbon Electrodes	Institut Teknologi Bandung (Indonesia)
16.00 - 16.15	Dr. Eduardus Budi Nursanto	Insight into palladium nanostructured catalyst reactivity for CO <sub>2</sub> electro-reduction	Universitas Pertamina (Indonesia)
16.15 - 16.30	Mr. Setyo Yanus Sasongko	Oxygen-Coupled Oxidative Decarboxylation of Lauric Acid over a Biomimetic Mn–Cu Catalyst: Kinetic Evidence for Cooperative Redox Catalysis	Institut Teknologi Bandung (Indonesia)
16.30 - 16.45	Mr. Nouval Wizzdan Pratama	Enhanced Bifunctional Electrocatalytic Performance of Graphene-Doped NiFe <sub>2</sub> O <sub>4</sub> for Alkaline Water Splitting	Institut Teknologi Sepuluh Nopember (Indonesia)

## Parallel Sessions on **DAY 2 (8<sup>th</sup> July 2026)**

**DAY 2 -Parallel 01**

**Topic : Heterogeneous Catalysis**

**Moderator : Dr. Indri Badria Adilina (BRIN)**

<b>Time</b>	<b>Presenter</b>	<b>Title</b>	<b>Affiliation (Country)</b>
10.15 - 10.45	Prof. Gift Mehlana <b>(INVITED SPEAKER)</b>	Exploring the Chemical Space In MOFs for Catalysis	Midland State University (Zimbabwe)
10.45 - 11.00	Ms. Fauziah Azhari	Optimized Synthesis of Nb(V)-Based MOFs Using Benzene and Biphenyl Dicarboxylate Linkers and Their Preliminary Catalytic Performance in the Catalytic Transfer Hydrogenation of Biomass-Derived Furfural to 1,5- Pentanediol	Universitas Sebelas Maret (Indonesia)
11.00 - 11.15	Ms. Elyza Hany Binti Effendy	Alkali-Free Conversion of Waste Cooking Oil to Biodiesel Using Banana Peel Ash-Supported Layered Double Hydroxide	Universiti Teknologi MARA Shah Alam (Malaysia)
11.15 - 11.30	Dr. Ryoichi Otomo	Reducing Function of TiO <sub>2-x</sub> Support for Stabilizing Metallic Cobalt and Enhancing Catalytic Performance for Hydrodeoxygenation Reaction	Hokkaido University (Japan)
11.30 - 11.45	Mr. Muhammad Al Reka Reo	Hydrothermal Synthesis of Boehmite for Pore-Optimized NiMo/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalyst in Residue Hydrodemetallization	PT PERTAMINA (Indonesia)
11.45 - 12.00	Mr. Muhammad Fauzan	Effect of Mg-Modified $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Derived from Hydrothermal Boehmite on NiMo Catalyst Performance for Vanadium–Silica Hydrodemetallization	PT PERTAMINA (Indonesia)
12.00 - 13.00	<b>Lunch Break</b>		
13.00 - 13.15	Dr. Dwi Hantoko	CO <sub>2</sub> -Free Hydrogen and Carbon Nanotube Production via Methane Pyrolysis over Lanthana-Modified Iron Catalysts	Institut Teknologi Bandung (Indonesia)
13.15 - 13.30	Mr. Firman Kurniawansyah	Geothermal Sludge–Derived Silica Catalysts for Biomass Conversion: From Hydrolysis to Hydrocracking Applications	Institut Teknologi Sepuluh Nopember (Indonesia)
13.30 - 13.45	Prof. Dr. Didik Prasetyoko	Sustainable Aviation Fuel Production via Deoxygenation of Used Coconut Oil over Ni–Ce/Red Mud–Hydrochar Composite Catalyst Derived from Rice Husk	Institut Teknologi Sepuluh November (Indonesia)

### DAY 2 -Parallel 01

<b>Topic : Heterogeneous Catalysis</b> <b>Moderator : Dr. Indri Badria Adilina (BRIN)</b>			
Time	Presenter	Title	Affiliation (Country)
13.45 - 14.00	Mr. Aryan Bagus Saputra	From Vanadium MOFs to V <sub>2</sub> O <sub>3</sub> @C: Unveiling Their Catalytic Performance in the Etherification of Furfuryl Alcohol	Universitas Negeri Malang (Indonesia)
14.00- 14.15	Dr. Siti Kamilah binti Che Soh	Recoverable Au Decorated Di-Tert-Butyl Imine Functionalized Magnetite: Enhancing Catalytic Efficiency for 4-Nitrophenol Reduction	Universiti Malaysia Trengganu (Malaysia)
14.15 - 14.30	Ms. Anis Kristiani	Elucidating the Role of Oxalic Acid Concentration in Tailoring NiO/CaO-ZrO <sub>2</sub> DualFunction Materials for Integrated CO <sub>2</sub> Capture and Conversion	BRIN (Indonesia)

### DAY 2- Parallel 02

<b>Topic : Catalysis for Environmental Protection and Waste Recycling</b> <b>Moderator : Dr. Fabio Dalanta (BRIN)</b>			
Time	Presenter	Title	Affiliation (Country)
10.15 - 10.30	Prof. Dr. Yuichi Kamiya	Nitrous oxide decomposition over supported iridium catalyst promoted with nickel at low temperature	Hokkaido University (Japan)
10.30 - 10.45	Ms. Ariawan Darari	Extraction of Ni and Mo from Spent NiMo/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalysts Using an Alkaline Leaching System with NH <sub>4</sub> OH in The Presence Of H <sub>2</sub> O <sub>2</sub> as an Oxidizing Agent	Universitas Gajah Mada (Indonesia)
10.45 - 11.00	Mr. Zami Furqon	Processing pet plastic using a catalytic pyrolysis reactor to produce gasoline	Universitas Diponegoro (Indonesia)
11.00 - 11.15	Mr. Zamroni Dita Firdaus	Optimization of Microwave-Assisted Transesterification of Kapok Seed Oil Using a Dolomite-Derived CaO-MgO Catalyst	Institut Teknologi Sepuluh November (Indonesia)
11.15 - 11.30	Ms. Riatus Sholehah	Glycerol-Free Biodiesel Production from Palm Oil via Microwave-Assisted Interesterification with Methyl Acetate and Methanolic CH <sub>3</sub> OK Catalyst	Institut Teknologi Bandung (Indonesia)

**DAY 2- Parallel 02**

**Topic : Catalysis for Environmental Protection and Waste Recycling**  
**Moderator : Dr. Fabio Dalanta (BRIN)**

<b>Time</b>	<b>Presenter</b>	<b>Title</b>	<b>Affiliation (Country)</b>
11.30 - 11.45	Mr. Pandu Adi Prasetya	Temperature Optimization of Palladium/Gamma-Alumina (Pd/gamma-Al <sub>2</sub> O <sub>3</sub> ) Catalysts for Green Diesel Production via Vegetable Oil Co-Processing	Pertamina Technology Innovation & Implementation (Indonesia)
11.45 - 12.00	Ms. Salma Nuriyazahra	Enhancing Microalgal Biomass Production Using CuFe-GA Metal-Organic Framework	Institut Teknologi Sepuluh November (Indonesia)
12.00 - 13.00	<b>Lunch Break</b>		
13.00 - 13.15	Ms. Wilda Yuni Parinduri	Utilization of Used Cooking Oil (UCO) for LPG and Gasoline Production via Co-Processing Catalytic Cracking	Pertamina Technology Innovation & Implementation (Indonesia)
13.15 - 13.30	Mr. Ilham Rivki Maulana	Reaction Kinetics of Catalytic Pyrolysis of Styrofoam (Polystyrene) Waste into BTEX Aromatic Compounds over Transition Metal Catalysts Supported on Alumina and Silica: A Review	Universitas Diponegoro (Indonesia)
13.30 - 13.45	Ms. Ainna Afwawafa binti Abdul Rahman	Rice Husk Biochar-Based LDH-MOF Hybrid Materials for Simultaneous Removal of Heavy Metals, Microplastics, and PFAS from Wastewater: A Critical Review	UiTM Shah Alam (Malaysia)

**DAY 2 -Parallel 03**

**Topic : Chemical Reaction Engineering & Technology; Catalysis for natural gases, coals, crude oils, and petrochemicals.**  
**Moderator : Dr. Anatta W. Budiman (Universitas Sebelas Maret)**

Time	Presenter	Title	Affiliation (Country)
10.15 - 10.45	Prof. Bunjerd Jongsomjit (INVITED SPEAKER)	TBA	Chulalongkorn University (Thailand)
10.45 - 11.00	Mr. Gihon Andre Asmitra Harahap	Industrial Ammonia Synthesis Reactor Optimization Using the Approach Temperature to Equilibrium (ATE)	Universitas Gajah Mada (Indonesia)
11.00 - 11.15	Dr. Mauludi Ariesto Pamungkas	Effect of pressure on methane gas decomposition over carbon-based catalysts: a reactive molecular dynamics simulation	Universitas Brawijaya (Indonesia)
11.15 - 11.30	Prof. Dr. Boy Arief Fachri	Microwave-assisted conversion of Ulva sp. to 5-HMF in The Presence of Compressed Air: A Kinetic Modeling	Universitas Negeri Jember (Indonesia)
11.30 - 11.45	Ms. Fatma Tsaniya Chamdani	Effect of Transition Metal Active Sites on Methane Partial Oxidation over HY Zeolite	Universitas Diponegoro (Indonesia)
11.45 - 12.00	Dr. Widda Rahmah	Addressing Excess Gel Issues in Hydrothermal SSZ-13 Zeolite Membrane Production	Institut Teknologi Bandung (Indonesia)
12.00 - 13.00	<b>Lunch Break</b>		
13.00 - 13.15	Ms. Zaqiyah Addarajah	Kinetic and Mechanistic Insights into the Low-Pressure Hydrogenation of FAME to Fatty Alcohols over Cu-Zn Catalysts	Institut Teknologi Bandung (Indonesia)
13.15 - 13.30	Mr. Samuel Krishna Wira Waskita	Pilot-Scale Synthesis of H-ZSM-5 for Increased Aromatic Selectivity and Distribution in n-Hexadecane Conversion	Pertamina Technology Innovation & Implementation (Indonesia)
13.30 - 13.45	Dr. Neza Rahayu Palapa	Structural Evolution and Reusability of Ni-Cu/Al <sub>2</sub> O <sub>3</sub> Catalyst for Glycerol-to-Lactic Acid Conversion via Catalytic Transfer Hydrogenation	Universitas Sriwijaya (Indonesia)
13.45 - 14.00	Mr. Kevin Regardy Onasis	From Catalyst Synthesis to Reactor Prediction: A Study on Copper-Based Catalysts for the Water-Gas Shift Reaction in Fixed-Bed Systems	Institut Teknologi Bandung (Indonesia)

### DAY 2 -Parallel 03

**Topic** : Chemical Reaction Engineering & Technology; Catalysis for natural gases, coals, crude oils, and petrochemicals.  
**Moderator** : Dr. Anatta W. Budiman (Universitas Sebelas Maret)

Time	Presenter	Title	Affiliation (Country)
14.00 - 14.15	Mr. Widhio Setyo Nugroho	Industrial Demonstration of Multi-Layer NiMo–CoMo Catalysts for Ultra-Low Nitrogen Hydrotreating under Variable Feed Conditions	Institut Teknologi Sepuluh November (Indonesia)
14.15 - 14.30	Prof. Dr. Rodiansono	Selective hydrogenative-rearrangement of furfural to cyclopentanone/cyclopentanol using carbon-doped titania-supported ruthenium catalysts	Universitas Lambung Mangkurat (Indonesia)
14.30 - 14.45	Mr. Hijib Nur Rohman	Structure-activity relationship of bifunctional Pt/ZSM-48– $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalysts for selective hydroisomerization of renewable diesel	Pertamina Technology Innovation & Implementation (Indonesia)

### DAY 2 -Parallel 04

**Topic** : Homogeneous catalysis; bio, enzymatic, and organo catalysis.  
**Moderator** : Prof. Witri W. Lestari (Universitas Sebelas Maret)

Time	Presenter	Title	Affiliation (Country)
10.15 - 10.45	Dr. Yudha Prawira Budiman <b>(INVITED SPEAKER)</b>	C–H Arylation of Polyfluoroarenes with Nucleophilic and Electrophilic Partners via Ligand-Free Pd Catalysis in Air	Universitas Padjajaran (Indonesia)
10.45 - 11.00	Prof. Dr. Susila Arita	Catalyst Screening for CO <sub>2</sub> -Assisted Hydrothermal Conversion of Glycerol: Selective Performance of Cu/Al Layered Double Oxides	Universitas Sriwijaya (Indonesia)
11.00 - 11.15	Mr. Miyu Sato	Selective Epoxidation of Alkenes over Niobium Suboxide Catalysts Using Hydrogen Peroxide	Hokkaido University (Japan)
11.15 - 11.30	Dr. Eduardus Budi Nursanto	Upgrading Process of Kerosene to Jet Fuel using Used Cooking Oil and Chlorella based Enzyme Catalyst	Universitas Pertamina (Indonesia)

**DAY 2 -Parallel 04**

**Topic : Homogeneous catalysis; bio, enzymatic, and organo catalysis.**  
**Moderator : Prof. Witri W. Lestari (Universitas Sebelas Maret)**

<b>Time</b>	<b>Presenter</b>	<b>Title</b>	<b>Affiliation (Country)</b>
11.30 - 11.45	Dr. Mey Shelly Rikin	Catalytic Valorisation of Water Hyacinth Cellulose through Biomimetic Hydrolysis: Integrating Structural Accessibility and Cooperative Acid Catalysis for Renewable Glucose Production	Institut Teknologi Bandung (Indonesia)
11.45 - 12.00	Dr. Junaid Ahmad	Hydrodeoxygenation of guaiacol to cyclohexane over NiP/H $\beta$ catalyst: Influence of Ni content	Chulalongkorn University (Thailand)
12.00 - 13.00	<b>Lunch Break</b>		
13.00 - 13.15	Mr. Sakhundiyar	Production of Sustainable Aviation Fuel through Coprocessing Technology at Conventional Hydrotreating Refinery	Universitas Indonesia (Indonesia)
13.15 - 13.30	Ms. Ika Rahma Maulida	A Systematic Review of Process, Property, Performance Relationships in Waste Lubricating Oil (WLO) Conversion to Fuels	Universitas Diponegoro (Indonesia)
13.30 - 13.45	Dr. Aghietyas Choirun Az Zahra	The effect of potassium precursor to the catalytic performance of solid biodiesel catalyst	Institut Teknologi Bandung (Indonesia)
13.45 - 14.00	Ms. Nuur Faridatun Hasanah	In Situ Hydrogen-Assisted Hydrothermal Deoxygenation of Oleic Acid over Ni-Sn/AC Catalysts for Renewable Hydrocarbon Production	Institut Teknologi Bandung (Indonesia)

## POSTER SESSION (7<sup>th</sup> & 8<sup>th</sup> July 2026)

Time	Presenter	Title	Affiliation (Country)
09.30 - 17.00	Dr. Tuan Doan	Preparation and catalytic performance of Ni@SAPO-11/34 bifunctional catalysts in n-Hexane hydroisomerization	Duy Tan University (Vietnam)
	Ms. Tiza Wikansari	Biogenic SiO <sub>2</sub> Derivable from Marine Diatoms as a Carrier for Tungstophosphoric Acid in the Synthesis of Butyl Levulinate	Universitas Sebelas Maret (Indonesia)
	Mr. Muhamad Rashifari Safadiya Sidik	Catalytic Applications of Copper-Based Metal-Organic Frameworks in Boronic Acid Transformations	Universitas Padjadjaran (Indonesia)
	Prof. Dr. Nanik Wijayati	The ultrasound-assisted for isomerization of alpha-pinene using TCA/TiO <sub>2</sub> catalyst	Universitas Negeri Semarang (Indonesia)
	Mr. Faidz Giardi Mazda	One-Pot, Two-Step Iridium-Catalyzed $\beta$ -Borylation of $\alpha,\beta$ -Unsaturated Carbonyls and Direct Conversion to Organotrifluoroborates	Universitas Padjadjaran (Indonesia)
	Mr. Ramadhan Reza Akbar Hidayat	Efficient Removal of Congo Red Using Microplastic-Derived Magnetic Carbon Catalysts Through Adsorption-Fenton Synergistic Mechanism	Universitas Sebelas Maret (Indonesia)
	Ms. Della Afitriani	Transforming PET Waste into High-Performance ZnO-Activated Carbon Composite for Sustainable Photocatalytic Degradation of Congo Red	Universitas Sebelas Maret (Indonesia)
	Prof. Dr. Hany El-Azab	Microwave Synthesis and Complexation of Gamavuton-0	Missouri University of Science and Technology (USA)
	Prof. Dr. Hany El-Azab	Application of Microwave Reactors to the Formation of Magnetite-Curcumin Complexes	Missouri University of Science and Technology (USA)
	Prof. Dr. Hany El-Azab	Process Development of Sustainable Biodiesel Production: Process Design, Integration, and Environmental Assessment	Missouri University of Science and Technology (USA)
Prof. Dr. Hany El-Azab	Formation of Magnetite-Curcumin Complexes Using Microwave Reactor Technology	Missouri University of Science and Technology (USA)	

Time	Presenter	Title	Affiliation (Country)
	Prof. Dr. Hany El-Azab	Recent Advances in the Formation of Curcumin and Curcuminoid Complexes	Missouri University of Science and Technology (USA)
	Prof. Dr. Hany El-Azab	Intensifying the Hydrogenation of Maleic Anhydride to Succinic Acid Through Green Hydrogen and Continuous Reaction	Missouri University of Science and Technology (USA)
	Prof. Dr. Hany El-Azab	Microwave-Assisted One-Pot Extraction and Adsorption of Curcumin onto Magnetite Nanoparticles: Experimental and Process Modeling Insights	Missouri University of Science and Technology (USA)
	Mr. Basheer Anwar Ibrahim Rajeh	Acid-Functionalized Carbon Catalyst for Glycerol Acetylation to Acetin Bio-Additives	Universitas Muhammadiyah Surakarta (Indonesia)
	Ms. Iis Intan Widiyowati	Efficient Aerobic Homocoupling of p-Tolylboronic Acid over Reusable CuI/Hydroxyapatite Heterogeneous Catalyst	Universitas Padjadjaran (Indonesia)
	Ms. Ferina Putri Maharani Amalo & Salsabillah Imtinam Wafiyanti	Development of bimetallic metal organic framework for CO <sub>2</sub> adsorption enhancement in Chlorella sp. Cultivation system	Institut Teknologi Sepuluh Nopember (Indonesia)
	Ms. Seruni Bunga Widayat	Study of Acrylic Acid Interaction on Ni/Alumina and Ni/Zeolite Catalyst Using Density Functional Theory Calculation	Universitas Sebelas Maret (Indonesia)