

Day 1 (Wednesday, 23rd October 2024)

Opening – MAIN MEETING ROOM

Time (WIB)	Activities																																																												
07.00 – 07.30	Registration (Sign in to participate)																																																												
07.30 – 07.40	Opening by Master of ceremonies ISAC-ICCPPE-CONCEPT 2024 MC: 1. Abdurrohman Zakki 2. Dwi Shavira Marlin																																																												
07.40 – 07.45	National Anthem "Indonesia Raya" ; Malaysia National Anthem																																																												
07.45 – 08.00	Welcome speeches : <ul style="list-style-type: none"> The Chair of ISAC 2024 : Sudiyarmanto, PhD UTM: Dr. Muhamed Yusuf Shahul Hamid Yusuf (chair CONCEPT) UNDIP : Wijayanto, S.IP., M.Si., Ph.D (Vice Rector IV UNDIP) Vice Chairman PPI Kota Tangerang Selatan (Dr. Roziq Himawan, M.Eng) The Head of Research Center for Chemistry-BRIN : Prof. Dr. Yenny Meliana, M.Si 																																																												
08.00 – 08.10	Screen Capturing Session & Offline Documentation																																																												
08.10 – 08.25	Moderator Plenary Session 1: Dr. Kiky Corneliasari Sembiring (BRIN)																																																												
08.25 – 08.55	Speaker 1 : Prof. Dr. Masato Tominaga Title : Electrochemistry and Its Application in Biofuel Cell and Sensors for Sustainable Future																																																												
08.55 – 09.25	Speaker 2 : Prof. Brian Yuliarto, Ph.D (Online) Topic : Nano materials, energy, environment																																																												
09.25 – 09.40	Discussion																																																												
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09.55 – 10.10	Moderator Plenary Session 2: Witta Kartika Restu, Ph.D (BRIN)																																																												
10.10 – 10.40	Speaker 3 : Prof. Tatsuo Maruyama Title : Molecular Self-Assembly of Peptide Amphiphiles for a New Frontier in Drug Design																																																												
10.40 – 11.10	Speaker 4 : Dr. Nur Farhana Jaafar Title : Converting Plants Waste Into Solvent As Green Approaches For Synthesis of Nanoparticles Photocatalyst																																																												
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11.25 – 11.30	Introducing ISAC- ICPPPE-CONCEPT 2024 sponsorship by Master of Ceremonies																																																												
11.30 – 12.00	Sponsorship presentation : PT. LMS (Online) Speaker : Dr. Dmitry Sergeev Topic : Advanced Characterization of Energy Storage Material Moderator : Dr. Muhammad Ghozali																																																												
12.00 – 12.100	Master of ceremony ISAC-ICCPPE-CONCEPT 2024 Announcement, Awardee Certificates and Placards to Keynote Speakers																																																												
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Prof. Dr. Liew Peng Yen</td> <td>Invited Speaker : Dr. Dessy Ariyanti, S.T., M.T.</td> <td>Invited speaker : Murni Handayani, Ph.D.</td> <td>Invited Speaker : Muhammad Ridwan, Ph.D.</td> </tr> <tr> <td></td> <td>Integration of Salinity Gradient Power for Urban-Industrial Energy System with Hydrogen Energy Storage</td> <td>To be confirmed</td> <td>Synthesis and electrochemical properties of graphene oxide (GO) modified zeolitic imidazolate framework-8 (ZIF-8) towards CO₂ Capture</td> <td>Development of supported metal catalysts for the dehydrogenation of hydrazine hydrate</td> </tr> <tr> <td>13.30 – 13.40</td> <td>Siti Mardiyah</td> <td>Ts Dr Faiz Bin Arith</td> <td>Widha Kusumaningdyah</td> <td>Deliana Dahnum</td> </tr> <tr> <td></td> <td>Identification Of Dengue Virus From Human Blood Sera Type O Based On Spectrophotometry</td> <td>Formulation of Nb-doped ZnO Nanoparticles Towards Improved Photo Conversion Performance via Luminescent Down-Shifting of the Incident Spectrum</td> <td>Cost Minimization Approach through Optimal Siting and Sizing of Hydrogen Refueling Stations by Leveraging Existing Infrastructure</td> <td>Optimization of lauric acid deoxygenation using metal nanoparticle-decorated ZnO derived ZIF-8: role of thermal decomposition</td> </tr> <tr> <td>13.40 – 13.50</td> <td>Jilda Sofiana Dewi</td> <td>Hismiaty Bahua</td> <td>Wigas Digwijaya</td> <td>Didi Dwi Anggoro</td> </tr> <tr> <td></td> <td>Study Comparative Extraction Of Gallium From Redmud Using</td> <td>Maximizing Environmental Benefits: Integrating Rice Husk Biomass in</td> <td>CFD Analysis of Hydrogen Mass Flow Inlet Variation on Type IV</td> <td>Enhanced Levulinic Acid Production from Cellulose over</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Exfoliation of graphite into graphene using ammonium bicarbonate as an intercalation agent with microwave method</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Comparative Study of Structural, Morphological and Thermal Properties of Lanthanum Doped Cerium (LDC) Synthesized by Sol-Gel and Co-Precipitation Method</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Biochar Supported Photocatalyst (Mangrove Biochar-TiO₂) for</td> </tr> </tbody> </table>	Parallel 1 (Room A)	Parallel 1 (Room B)	Parallel 1 (Room C)	Parallel 1 (D)	Parallel 1 (Room E)	Analytical And Environmental Chemistry / Computational And Theoretical Chemistry	Renewable Energy / Design process and chemical engineering / Energy Management, Safety, and Policy	Hydrogen and carbon capture, utilization, and storage / Food chemistry and processing	Materials chemistry and catalysis	Online Only : Materials chemistry and catalysis	Moderator	Erik Budi Santiko	Joni Prasetyo	Gagus Ketut Sunnardianto	Sudiyarmanto	13.10 – 13.30	Invited Speaker : Assoc. 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Invited speaker : Murni Handayani, Ph.D.	Invited Speaker : Muhammad Ridwan, Ph.D.		Integration of Salinity Gradient Power for Urban-Industrial Energy System with Hydrogen Energy Storage	To be confirmed	Synthesis and electrochemical properties of graphene oxide (GO) modified zeolitic imidazolate framework-8 (ZIF-8) towards CO ₂ Capture	Development of supported metal catalysts for the dehydrogenation of hydrazine hydrate	13.30 – 13.40	Siti Mardiyah	Ts Dr Faiz Bin Arith	Widha Kusumaningdyah	Deliana Dahnum		Identification Of Dengue Virus From Human Blood Sera Type O Based On Spectrophotometry	Formulation of Nb-doped ZnO Nanoparticles Towards Improved Photo Conversion Performance via Luminescent Down-Shifting of the Incident Spectrum	Cost Minimization Approach through Optimal Siting and Sizing of Hydrogen Refueling Stations by Leveraging Existing Infrastructure	Optimization of lauric acid deoxygenation using metal nanoparticle-decorated ZnO derived ZIF-8: role of thermal decomposition	13.40 – 13.50	Jilda Sofiana Dewi	Hismiaty Bahua	Wigas Digwijaya	Didi Dwi Anggoro		Study Comparative Extraction Of Gallium From Redmud Using	Maximizing Environmental Benefits: Integrating Rice Husk Biomass in	CFD Analysis of Hydrogen Mass Flow Inlet Variation on Type IV	Enhanced Levulinic Acid Production from Cellulose over					Exfoliation of graphite into graphene using ammonium bicarbonate as an intercalation agent with microwave method					Comparative Study of Structural, Morphological and Thermal Properties of Lanthanum Doped Cerium (LDC) Synthesized by Sol-Gel and Co-Precipitation Method					Biochar Supported Photocatalyst (Mangrove Biochar-TiO ₂) for
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	Alkali Fusion-Water Leaching And Acid Leaching	Coal-Fired Power Plants for Sustainable Energy Transition	Storage Tank as a Rapid Filling Development of FCEV	Nickel/Sulfonated Active Carbon Catalyst	Organic Pollutants Removal via Synergetic Adsorption-Photocatalytic Process
13.50 – 14.00	Putri Ramadhani	Excel khalda Aji	Achmad Nurfanani	Herma Dina Setiabudi	Eni Febriana
	Two-Stage Activation Of Durian Rind Biochar For Crystal Violet Dye Removal From Aqueous Solution	Optimizing Temperature and Pressure Conditions for Enhanced Methanol Production	Particle Swarm Optimization for Hydrogen Refueling Station Location Problem to Minimize Emissions	Rambutan Seeds: A Prospectives and Sustainable Biomass for Emerging and Future Energy Storage Technologies	Phase Transformation of Ferronickel Slag in the Hydro-Pyrometallurgy Process
14.00 – 14.10	Saptono Hadi	Joni Prasetyo	Satrio Kuntolaksone	Susi Nurul Khalifah	Evie Lestariana
	Efficient Removal Of Methylene Blue Dyes Using A Novel Natural-Based Adsorbent Carboxymethyl Chitosan (Cmc)-Alginate Crosslinked With Bisphenol A Diglycidyl Ether (Badge): Optimization, Kinetics, And Isotherm Study	Study of Green Fuel Production from Used Cooking Oil by co-Catalyst DLH and metal catalyst	Green Synthesis of rGO/ZIF-8 using Citrus aurantiifolia extract via hydrothermal technique and its characterization	Catalytic pyrolysis of Waste Coconut Oil with Ni/Biochar for The Production of Bio oil	Study of Combustion of Al/Mg/KNO ₃ /ZnO Pyrotechnic Booster Charge
14.10 – 14.20	Jilda Sofiana Dewi	Suryajaya	Gagus Ketut Sunnardianto	Muzakkir Mohammad Zainol	Heri Rustamaji
	Extraction Of Scandium From Bauxite Residue (Red Mud) Indonesian Obtained Alkali Fusion-Acid Leaching	Biobriquettes from Tea Fluff Biochar: A Response Surface Methodology Study on Resin Gum-Adhesive and Used Cooking Oil Integration	Reversibility of hydrogen uptake and release in defective nanoborophene for hydrogen storage application	Acidic Deep Eutectic Solvent as Catalyst for Esterification of Levulinic Acid to Ethyl Levulinate	Synthesis and characterization of carbon material from rubber seed shell for energy storage material
14.20 – 14.30	Desy Hikmatul Siami	Andri Cahyo Kumoro	Goh Yih Fei Goh	Nais Pinta Adetya	Muhrinsyah Fatimura
	Thermal Decomposition Behavior Of Pyrolyzed Solid Residue Extracted From Spirulina Platensis Microalgae Enhanced With Ammonium Chloride Doping	Saccharification and Fermentation (SSF) of Mango (Mangifera indica L.) Juice Waste using Immobilized Saccharomyces cerevisiae on Alginate Beads for Ethanol Production	Non-Nickel vs Nickel-Based Perovskites in Dry Reforming of Methane: A Short Review	Characterization of Polyurethane Binder in Leather Finishing Process and Its Application For Formal Shoe Manufacturing	Reduction of Heavy Metals (Cr, Pb, Cu, and Zn) Using Electrocoagulation Processes with Al Electrodes
14.30 – 14.40	Vicario Baroroh	Sri Rachmania Juliastuti	Abdelbaki Benamor	Nino Rinaldi	Nurlela
	Sustainable Phosphate Removal Using Biochar From Buton Rock Asphalt Pyrolysis Residue: The Role Of Calcination Temperature Optimization.	Performance of Batch Operation Microbial Fuel Cell (MFC) with Cobalt Micronutrient Addition Based on Kinetic Model	Synergizing CO ₂ Capture and Electrochemical Conversion: Tailored Oxygen Vacancies and Amine-Based Electrolytes for Enhanced CO Production	The effect of acid treatment on physicochemical properties of bentonite	Fly Ash Characterization and Utilization for Acid Mine Drainage Treatment
14.40 – 14.50	Gina Maulia	Prof. Dr.-Ing. Silviana, ST MT	Evi Triwulandari	Saepurahman	Prof. Ir. Didi Dwi Anggoro, M.Eng, Ph.D
	Potential of Choline Chloride and Sugars-Based Nades For Separation Of Polyphenols From Curcuma Zanthorrhiza And Curcuma Aeruginosa	Increasing the Calorific Value of Biomass as as Pretreatment of Energy Resources	Modification Of Thermoplastic Starch Using Oligo(Lactic Acid) Via Reactive Extrusion Method	Synthesis and Photocatalytic Activity of SnO ₂ /TiO ₂ Nanocomposites for Dye Removal	Parametric Optimization of Levulinic Acid from Cellulose over Nickel/Sulfonated Active Carbon
14.50 – 15.00	Nur Akmalia Hidayati	Muhammad Bagus Arif	Nazlina Ya'aini	Sudiyarmanto	Robert Ronal Widjaya
	An In Silico Approach to Assess the Anti-Breast Cancer Potential of Phycocyanin and Carotenoid extracted from Microalgae	Development of Chitosan-Based Bio-Polyelectrolyte Complex Membranes for Alternative Battery Separators	Storage in the Era of Energy Transition: The Role of Liquid Organic Hydrogen Carriers (LOHCs)	Catalytic deoxygenation of lauric acid as a model compound to jet fuel-like hydrocarbons over Ni/ZnO catalyst under solventless conditions	Aluminium, Nickel, and Manganese Supported on Bentonite for Ethanol to Gasoline Conversion
15.00 – 15.20	Coffee Break				
15.20 – 15.30	Parallel Session Registration				
15.30 – Finish	Parallel 2 (Room A)	Parallel 2 (Room B)	Parallel 2 (Room C)	Parallel 2 (Room D)	Parallel 2 (Room E) Online only
Moderator	Putri Ramadhani	Muhammad Bagus Arif	Satrio Kuntolaksone	Abdul Aziz	Saepurahman
15.30 – 15.40	Alwathan Sofian	Shahid Mehmood	Ade Utami Hapsari	THAREQA ABDUSATTAR	Rully Masriatini
	Adsorption Of Dissolved Metals And Sulphur In Waste Engine Oil Using Low " Rank Coal Activated Carbon	Development of a Cost-Effective Pt-Free Electrocatalyst for Enhanced Fuel Cell Performance	Enhanced Synthesis of La-Ni-Based Hydrogen Sorption Materials: Evaluation of Physical Characterization and Desorption Properties	Mordenite Syntheses from Rice Husk Ash for Ammonium Adsorption	COD and BOD removal of pulp and paper wastewater by using Fenton method
15.40 – 15.50	Yuli Patmawati	Muh. Irwan	Hilmi Isa	Abdul Aziz	Sanji Firmansyah
	Application Of Activated Low-Rank Coal (Lrc) As An Adsorbent For Rhodamine-B Dye Removal Using The Adsorption Process	Potential of Sludge Palm Oil (SPO) As Feedstock for Biodiesel Production	Hybrid Separation System of Water Electrolyzer in Balance-of-Plant	Various Kaolin Treatment as Single Source Silica for Silica Base Materials Synthesis	Sonication effect on mole Ti-Zr pillared bentonite as catalyst for biodiesel production
15.50 – 16.00	Chung Hiang Jong	Muhammad Hakimi Sawal	Nok Afifah	Arenst Andreas	Vania Zulfa Adristy
	Effect of Biological Parameters on Indoor Bioflocs Aquaculture System Of Red Hybrid Tilapia	Enhancing Photoelectrochemical Water Splitting Efficiency Using Gallium Oxide Loaded on Fibrous Silica Titania	Insights into the swelling behavior of glucomannan-based eutectogels	Preparation of Chitosan Based Carbons-Sulfur Composite Cathodes for Lithium Sulfur Battery	Marine-Based Materials for Probiotics Microencapsulation: Technology and Applications in Functional Food
16.00 – 16.10	Aminah Halimah Ahmad	Nik Muhammad Izzudin Nik Lah	Diah Iksari	Flavianus P H Meko	Bintoro Siswayanti

	Indoor Aquaponics Of Tilapia (Oreochromis Spp.) And Coriander (Coriandrum Sativum) In Tropical Climate (Malaysia) Setting	Tuning The Bandgap of Bismuth Oxide with Fibrous Silica Morphology For Enhancing Photoelectrochemical Water-Splitting Activity	Effect of Carrageenan as a Stabilizer of Snakehead Fish (Channa striata) Extract Powder	Synthesis Hazenite From Bittern as a Source of Magnesium and Sodium	Clusters Heterometal Alloy for Electrocatalysis Hydrogen Evolution Reaction: A Bibliometric Review
16.10 – 16.20	Khalimatus Sa'diyah	Prof. Dr. Ir. Purwanto, DEA	Aji Prasetyaningrum	Kiky Corneliasari Sembiring	Dicky Annas
	The Effect Of Various Types Of Agricultural Waste Biomass As Antifungals Against Colletotrichum Spp On The Quality Of Liquid Smoke Produced By The Pyrolysis Process	Kinetics of COD Degradation on Industrial Paper Wastewater by Electrocoagulation Process	Encapsulation Of Moringa Oleifera In Alginate/Chitosan Double Emulsion Prepared By Ultrasound: Fabrication And Stability	Oxidation Behavior of Multi-Elemental AlSiCrFeNiMo Metal Coating, Combined with SiO ₂ -Al ₂ O ₃ -Cr ₂ O ₃ Slurry Coating at 700 °C	Green Fabrication of CoFe ₂ O ₄ /TiO ₂ Magnetic Nanocomposites-based Electrocatalyst Mediated by Stinky Bean Peel (Parkia speciosa) Aqueous Extract for Hydrogen Production
16.20 – 16.30	Agus Mirwan	Ary Mauliva Hada Putri	Nur Fathin Shamirah Daud	Reva Edra Nugraha	Dina Wahyu Indriani
	Color And Toc Removal From Peat Water Using The Electrocoagulation Process: Central Composite Design For Optimization	Characteristics of activated carbon from tea twigs synthesized using arc plasma for thermal activation	Assessing the Physico-chemical and Functional Properties of Cassava and Wheat Flour	Development of Multifunctional Catalyst Based on Mesoporous Silica for Carbon Dioxide Hydrogenation into Methanol as an Alternative Liquid Fuel Source	Adsorption Mechanism of Composite Biochar Based on Dolomite (CaMg(CO ₃) ₂) and Soybean Hull
16.30 – 16.40	Aprilina Purbasari	Handik Hendratama	Derina Paramitasari	Mukhamad Rojib Aminudin	Lia Andriyah
	Modified Fly Ash Pellets With Sodium Dodecyl Sulfate For Adsorption Of Crystal Violet Dye From Aqueous Solution	Airlift Reactor as a potential Multipurpose Reactor in biological and environmental applications: a review	Effects of heat moisture treatment on the physicochemical properties of indigenous banana peel flours (Musa Acuminata var. Janten)	The Influence of Acid Types on Synthesis of Mesoporous Aluminosilicate from Kaolin Bangka with Natural Template (Sapindus rarak) for Enhanced Adsorption Capacity of Malachite Green	Extraction Manganese Ore from Manganese Trenggalek Using Alkaline Leaching, Reduction, and Acid Leaching Method to Produce Manganese Sulfate
16.40 – 16.50	I Nyoman Widiasa	Aprilia Erryani	Yassaroh	Yosephin Dewiani Rahmayanti	Liszulfah Roza
	Conceptual Design And Economics Of A Membrane-Based Recirculating Aquaculture System For Superintensive Whiteleg Shrimp Litopenaeus Vannamei Farming	Hydroxyapatite And Polyacrylic Acid Hybrid Coating Of Magnesium Alloys WE43 For Biomedical Application	Biodegradable film prepared from heat-moisture treated (HMT) sago starch/microcrystalline cellulose enriched with Caesalpinia sappan L. extract for active food packaging	Synthesis of ZnO with Moringa Oleifera as Green Reductant and Study of Its Photocatalytic Activity towards Ciprofloxacin	The Role of CTAB Concentration in the Development of ZnO Nanosheet/Ag Nanoparticle Photoanodes for PEC Water Splitting
16.50 – 17.00		Fendy Rokhmanto	Enny Sholichah	Moch. Setyadji	Yahdi Bin Rus
	Inhibitory Effect of Amlodipine and Simvastatin on the Degradation of a CoCrMoMnTi Bio-High Entropy Alloy in Phosphate-buffered Saline		Freeze-thaw cycles Pre-treatment assisted glucomannan extraction from fresh tuber of Porang (Amorphophallus muelleri Blume)	Leaching Kinetics Of Lanthanum Oxide In Hydrochloric Acid Using The Shrinking Core Model	One-Pot Synthesis of Gold Nanoclusters Using Tetrazine-Functionalized Graphene for Enhanced Oxygen Reduction Electrocatalysis
17.00 – 17.10			Riyanti Ekafitri		Nur Hidayatul Nazirah Kamarudin
			Enhancing Rice Starch Purity: The Role of Sodium Hydroxide in The Yield, Chemical, and Structural Properties		Enhancing Hydrophobicity of Mesoporous Silica Nanoparticles through Activated Carbon Modification for Biomedical Application
17.10 – 17.20					Nursyuhani Che Husain
					Chemical and Morphology Characteristics of Activated Carbon Derived from Mixture of Oil Palm Biomass Residue using Autothermal Pyrolysis at different Temperature
17.20-17.30					Farah Hazmatulhaq
					Enhanced Electrochemical and Bioactive Performance of MgO@Mg Composites via Hydrogenated C36 Dimer Fatty Acid Coating
17.30 - finish	CLOSING ISAC-ICCPPE-CONCEPT DAY 1				

Day 2 (Thursday, 24th October 2024)

Opening – MAIN MEETING ROOM

Time (WIB)	Activities				
07.30 – 08.00	Registration (Sign in to participate)				
08.00 – 08.10	Opening by Master of ceremonies ISAC-ICCPPE-CONCEPT 2024 MC: 1. Abdurrohman Zakki 2. Dwi Shavira Marlin				
08.10 – 08.15	Introducing ISAC-ICCPPE-CONCEPT 2024 sponsorship by Master of ceremonies				
08.15 – 08.25	Screen Capturing Session & Offline Documentation				
08.25 – 08.35	Moderator Plenary Session 3 : Prof. Aishah Abd Jalil (UTM)				
08.35 – 09.05	Speaker 5 : Prof. Agus Haryono Topic : The Importance of Ethics on Research Activities in Chemistry and Their Implementation on Research Permit in Indonesia				
09.05 – 09.35	Speaker 6 : Prof. Jong-Min Lee, Ph. D Title : Sustainable solutions to recover valuable products				
09.35 – 09.50	Discussion				
09.50 – 10.05	Coffee break				
10.05 – 10.15	Moderator Plenary Session 4 : Prof. Dr. Andri Cahyo Kumoro, S.T, M.T, IPU (UNDIP)				
10.15 – 10.45	Speaker 7 : Prof. Dr. Hasliza Bahruji Title : PdZn/ZnO–TiO₂ catalysts for CO₂ hydrogenation to methanol				
10.45 – 11.15	Speaker 8 : Prof. Dr. Purwanto Title : Process Engineering, Circular Economy, Green Engineering, Information System, Technopreneur				
11.15 – 11.45	Speaker 9 : Prof. Dr. Mohammad Mozahar Hossain (Online) Title: Chemical-Looping - An Environmentally Friendly Approach for Energy and Chemicals				
11.45 – 12.00	Discussion				
12.00 – 12.10	Master of ceremony ISAC-ICCPPE-CONCEPT 2024 Announcement, Awardee Certificates and Placards to Keynote Speakers				
12.10 – 12.50	Lunch Break				
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13.00 – 15.00	Parallel 3 (Room A) Organic and natural product chemistry / Computational and theoretical chemistry	Parallel 3 (Room B) Surface chemistry and nanoparticles / Biomass and Bioprocess engineering	Parallel 3 (Room C) Polymer and macromolecular chemistry	Parallel 3 (Room D) Materials chemistry and catalysis	Parallel 3 (room E) ONLINE ONLY: Renewable Energy / Design process and chemical engineering / Energy Management, Safety, and Policy
	Moderator				
13.00 – 13.20	Invited speaker : Assoc. Prof Dr Rafiziana Md Kasmani	Invited speaker : Prof. Dyah Hesti Wardhani, ST., MT., Ph.D.	Invited speaker: Dr. Sun Theo Constan Lotebulo Ndruru, S.Pd., M.Si	Invited speaker : Joseph Blaise Dongmo Lekagne	Ahmad Shobib
	Effect of Nickel and Silver Coating on Surface Functionalized Alumina Ceramic Foam as Explosion-Suppressing Material	Performances of glucomannan in encapsulating bioactive compounds	Solid polymer electrolyte membrane for Lithium-ion batteries application	Waste to Wealth	Isolation And Characterization Of Lignin Using H ₂ O ₂ Extraction From Various Types Of Raw Materials
13.20 – 13.30	Melati Septiyanti	Agustina Sus Andreani	Adilah Marwa	Afifah Mardhiah Mohamed Radzi	Asep Muhamad Samsudin
	Comparison of Sungkai Leaves Extraction Using Conventional and Choline Chloride Based Deep Eutectic Solvent	The Comparative Study of Gold Nanoparticles Synthesized by Cyclodextrin to Investigate the Antibacterial Properties with Total Plate Count Method	Highly Water Soluble Resveratrol-Hydroxypropyl-Cyclodextrin Inclusion Complexes Fabrication: A Comparative Study	Curcuma longa L. mediated Selenium Nanoparticles Against Gram-positive and Gram-negative Bacteria	Effect of Crosslinking on Poly (vinyl alcohol)/Polyquaternium-7 Anion Exchange Membranes for Alkaline Polymer Electrolyte Fuel Cells
13.30 – 13.40	Muhammad Arifuddin Fitriady	Firda Khoirunnisha Arifin	Agustina Setiawati	Ahmad Faris Irfan Ja'afar	Dr. Ir. Nur Rokhati, MT
	Refining Process of Beef Tallow by Salting-Out and Bleaching Process in Mild Condition	Synthesis and Characterization of Mesoporous Silica Using Sapindus Rarak Template with Different Solvents Polarity	Crafting A Cutting-Edge Chitosan From Portunus Pellagicus Shell For Bone Tissue Engineering	Harnessing KCC-1 Unique Structure for Efficient CO Methanation with Fe Loading	Surfactant Addition on Enzymatic Hydrolysis of Cornstarch for Biobutanol Production
13.40 – 13.50	Prof. Ir. Nita Aryanti, S.T., M.T., Ph.D., IPM.	Sukarni Sukarni	Atika Trisna Hayati	Aishah Abdul Jalil	Hanif ardhiansyah
	Kinetic Modeling of Plant-Based Surfactant Extraction from Sapindus rarak and Its Application in Soap Formulation	Effect of in-situ activated carbon catalyst on Arthrospira platensis pyrolysis towards kinetics and thermodynamics parameter	The Influence of Lithium Perchlorate Incorporation for Poly(vinyl alcohol) Based Solid Electrolyte Membrane	Strategic energy levels of graphitic carbon nitride and fibrous silica iron for enhanced photocatalytic conversion of carbon dioxide to methanol	Physical and Chemical Characteristics of Bio Oil from the Fast Pyrolysis Process of Sawdust and Oil Palm Empty Fruit Bunch Mixture
13.50 – 14.00	Andita Utami	Gusliani Eka Putri	Heru Santoso	Firman firman	Kyla Amalia Gala
	Toxicity Evaluation by Brine Shrimp Lethality Test and Antioxidant Activity of Zingiber ottensii Valetton Rhizome Extract as Potential Nutraceuticals	Morphological Effect of Green Synthesis Cerium Oxide Nanoparticles Enhanced Antibacterial Activity	Utilization of Biobased Trimer Isocyanates for the Synthesis Self-Healing Polyurethanes via the Diels-Alder Reaction	Application of activated charcoal made using the principle of Partial Oxidation to reduce Fe levels using the Adsorption Isotherm method in water Sources for residents of Batuah Kutai Kartanegara village, East Kalimantan province	Binary Composite of Chitosan-Derived Porous Carbon/PANI for High Capacitance Performance of Supercapacitors
14.00 – 14.10	Erik Budi Santiko	Muhammad Haekal Habibie	Indra Surya	Fauzan Aulia	Retna Deca Pravitasari
	Synthesis, Characterization, and Application of a Cyclic Stilbene Derivative with Simultaneous Two-	Phytochemical content of Ramie (Boehmeria nivea L. Gaud.) leaf extracts: Potential application for	The tear and tensile strengths of silica fly ash reinforced natural	Synthesis and Structural Characterization of Iron Oxide Nanoparticles: Effect of	PtNi Alloy Catalyst Derived from Mixed Hydroxide Precipitate: Comparative Analysis of

	photon Absorption Character	nanoparticle synthesis	rubber vulcanizate	Precipitating Agents	Conventional and Advanced Synthesis Methods for Enhanced Oxygen Reduction Reaction
14.10 – 14.20	Fajar Amelia Rachmawati Putri, M.Sc.	Vika Rizkia	Riesca Ayu Kusuma Wardhani	Lia Kusnawati	Anas Santria
	OPTIMIZATION OF POLYPHENOL EXTRACTION FROM KECOMBRANG (Etlingera elatior) FLOWER USING NATURAL DEEP EUTECTIC SOLVENT (NADES)	The Influence of Anodizing Electrolyte Concentration on Ni-P Deposition on Anodic Aluminum Oxide (AAO)	Antibacterial Activity of Botanical Collagen-Chitosan-PEO Nanofiber Membranes	Synthesis of Mesoporous Silica with Natural Surfactant from Hibiscus rosa-sinensis Leaf Extract as Methylene Blue Adsorbent in Aqueous Solution	Computational Insight Into The Catalytic Efficiency Of Metallo-Diphenylporphyrin Complexes For Oxygen
14.20 – 14.30	Genia Sotya Sinarawadi	Matheis F.J.D.P. Tanasale	Sri Fahmiati	Muhammad Hafizuddin Mohd Sofi	Maria Ulfa
	Antimycobacterial Activity of the Secondary Metabolite Fraction Produced by the Endophytic Bacterium Bacillus velezensis strain DJ4 Isolated from Archidendron pauciflorum	Adsorption Kinetics and Isotherm of Methylene Blue on Aluminosilicates from Red Mud Waste	Mapping Research Progress in Deep Eutectic Solvents for Biopolymer Application: A Bibliometric and Content Analysis	Synthesis Of Co/FSAPO-34 With Enhanced Acid Sites For Methanol-To-Light Olefins Conversion	Development of Carbazole-Based Dendritic Hole Transport Materials for High-Efficiency and Stable Perovskite Solar Cells
14.30 – 14.40	Gian Primahana	Nuhaa Faaizatunnisa	Priyadharsan Arumugam	Nabilla Damayanti	Putri Nadia Suryadi
	Exploration of Endophytic Fungi Isolated from Indonesian Medicinal Plant Kratom (Mitragyna speciosa) and Its Biological Activities	pH-triggered loading and release of curcumin from zeolite magnetic nanoparticle composite (Fe@Si/zeolite Na)	Synthesis of multifunctional rGO/g-C ₃ N ₄ /FeTiO ₃ ternary nanocomposites for photocatalyst, antibacterial, and ecotoxicity assessment of zebrafish embryo model	Synthesis of MXene Modified with Pluronic P-123 and its Performance for Dyes Adsorption	Simple Coprecipitation Synthesis of Microsphere Particles LiNi _{0.5} Mn _{1.5} O ₄ Cathode Materials Li-ion Battery-
14.40 – 14.50	Budi Hastuti	Tri Arini	Edward Kurnia Setiawan Limijadi	Muhamed Yusuf Shahul Hamid	Mustafa -
	Encapsulation of Quercetin in The Zinc Cross-linked Chitosan-Pectin Polyelectrolyte Complexes Membranes and its Release Kinetics	Synthesis of SnO ₂ using Indonesia Tin (IV) Chloride (SnCl ₄) Precursor	Green hospital waste management in Indonesia: A systematic review	Enhance Low Temperature CO ₂ Methanation via Bimetallic Cobalt Nickel Catalyst	Performance Test of a Diesel Engine Fueled with Biodiesel from Used Cooking Oil Using a Lignite Coal Heterogeneous Catalyst Assisted by Ultrasonic Waves
14.50 – 15.00	Muhammad Adiguna Rabbuka	Muryanto	Dira Avista	Nur Alia Farhana Ros Madi	Muhammad Al Muttaqii
	ENZYMATIC SYNTHESIS AND CHARACTERIZATION OF MONOETHANOLAMIDE OLEAT FROM OLEIC FATTY ACID PALM OIL	Comparison of Furfural Production from Corn Waste and EFB: Effect of Time and Temperature	Water Leaching for Lithium Recovery from the Roasted of Spent NMC Lithium-Ion Battery Cathode: An Environment-Friendly Approach	Influence of Iminodiacetic Acid Concentration in Zinc Oxide/Polypropylene Non-Woven Fabric for Photocatalytic Degradation of Benzophenone-3	Preparation of Mesopore Al-MCM-41 and Its Application for Hydrocracking Cerbera Manghas Oil
15.00 – 15.15	Coffee break				
15.15 – 15.30	Parallel Session Registration				
15.30 - finish	Parallel 4 (room A)	Parallel 4 (room B)	Parallel 4 (room C)	Parallel 4 (room D)	Parallel 4 (room E) ONLINE ONLY
Moderator					
15.30 – 15.40	Prof. Ir. Nita Aryanti, S.T., M.T., Ph.D., IPM	Muh. Irsal (Corresponding Author: Yuni Kusumastuti)	Dira Avista	Radhila Widya Putri Octora	Dessy Ariyanti
	Microwave-Assisted Extraction of Eco-Friendly Surfactant from Jatropha Curcas for Sustainable Solubilisation of Reactive Dyes	Kinetic Study of Bioactive Compound Extraction from Cacao Shell Waste by Conventional and Deep Eutectic Solvent	Innovative Approach to the Extraction of Lithium from the Cathode of the Lithium-Ion Battery Through a Roasting and Water Leaching Method	Synthesis of CeO ₂ -based oxide (CeO ₂ -La ₂ O ₃ -NiO) with Various Calcination Temperature as Catalyst for Deoxygenation of Waste Cooking Oil	Photodegradation Of Polystyrene in The Development Of Degradable Plastic With TiO ₂ Catalyst And Graphene Oxide-TiO ₂ Composite
15.40 – 15.50	Prof. Widayat	Indra saptiama	Muhammad Arif Darmawan	Shi Yan Liew	Harry Supriadi
	Modification of Gluten-Free Instant Noodle Production Process Using Modified Cassava Flour (MOCAF) and Carboxymethyl Cellulose (CMC) on Physical and Chemical Properties	Radiolabelling of technetium-99m on carbon-derived palm kernel shell for lung scintigraphy agent	Production and Optimization of Hydroxy and Methyl Phenolic Compounds Through Microwave-assisted Catalytic Hydrogenolysis from Lignin Valorization	Promotional Effects of Nickel Lanthanum-Based Catalysts for CO ₂ Reforming of Methane: Short Review	Optimization And Kinetics Study of Terbium Leaching From Lapindo Mud
15.50 – 16.00	Mohammad Akbar Ferryansyah	Toga Pangihotan Napitupulu	Yusup Hendronursito	Zatil Izzah Ahmad Tarmizi	Marinda Rachim
	Synthesis And Stability Investigation of Meso-Hydroxy Acyl Dipyrromethane Structure	Bioprospecting of Compost Bacteria for Sustainable Cultivation of Milky Mushroom (Calocybe Indica)	A porous carbon active derived from banana peel by hydrothermal activation two-step methods	Zinc Oxide Nanoparticles Synthesis from Terminalia Catappa Leaves and Its Characterization for Absorbing Methyl Orange Dye	Optimization of Waste Lubricating Oil Pyrolysis Assisted by Microwave and Lignite Activated Carbon
16.00 – 16.10	Roshafima Rasit Ali	Sukarni Sukarni		Shintawati	Saidatul Sophia
	A Review of Gold Nanoparticles with Tuneable Lower Critical Solution Temperature in Drug Delivery Application	Product Distribution and Characteristics of Microalgae Spirulina platensis Microwave-Assisted Pyrolysis		ZVI Formation by Indigenous Bacteria from Red Mud	Metal organic framework (MOF)-based membranes for vanadium redox flow battery
16.10 – 16.20	Raditya Eka Sunarto			Shintawati	Anggi Febrianto
	Silica-Chitosan Encapsulation by Utilizing Rice Husk Waste with Cross-Linking Agent Sodium Tripolyphosphate as A Sustainable			Iron Bio Reduction by Indigenous Bacteria from Red Mud	Evaluation of Ministerial Regulation No. 63/2019 on Electric Railway Customer Satisfaction in Jabodetabek



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	Fertilizer				
16.20 - 16.30					Yulianti Sampora
					Study of Synthesis Surfactant Using Mannitol and Palm Oil Derived Oleic Acid for Poultry Vaccine Adjuvant Application
16.30 - 16.40					Nurhani Aryana
					Pelargonic Acid Based Herbicide Formulation In An Aqueous Solution And Its Application Against Pennisetum Purpureum Weeds
16.40 - 16.50					Yujun Sheng
					Electrochemical response and adsorption behavior of sulfocarbanilide inhibitor on a surface oxide layer produced by pulsed plasma electrolysis (PPE): Experimental and DFT perspective
16.50 - Finish	Closing Ceremony ISAC-ICCPPE-CONCEPT 2024 (The Head of Research Center for Chemistry : Prof. Dr. Yenny Meliana, M.Si)				