

CONFERENCE PROGRAM

1st DAY (12 October 2024)	
Time	Description
07.30 – 08.00	REGISTRATION
08.00 – 08.30	OPENING CEREMONY
08.30 – 09.30	OPENING SPEECH: <ol style="list-style-type: none"> 1. Chief of the 6th ICOMMET 2024 2. Head of Department Material and Metallurgical Engineering 3. Rector of Institut Teknologi Sepuluh Nopember Surabaya 4. Head of International Office
	SYMBOLIC CEREMONY AND COLLECTIVE PHOTOGRAPH
09.30 – 09.45	COFFEE BREAK
09.45 – 11.30	FIRST PANEL SESSION INCLUDE Q&A MODERATOR: Azzah Dyah Pramata, ST. MT. M. Eng. PhD KEYNOTE SPEAKERS: <ol style="list-style-type: none"> 1. Prof. Atsushi Iizuka, Department of Environmental Studies for Advanced Society, Graduate School of Environmental Studies, Tohoku University, Japan 2. Prof. Syarif Junaidi, Department of Mechanical and Nuclear Engineering, College of Engineering, University of Sharjah, UEA 3. Prof. Nikos Hadjichristidis from the Physical Science and Engineering Division at King Abdullah University of Science and Technology (KAUST), Saudi Arabia
11.30 – 13.00	LUNCH BREAK
13.00 – 13.15	COMPANY PROFILE PRESENTATION: PT. GRAHA ADHI JAYA ABADI
13.15 – 16.00	SECOND PANEL SESSION INCLUDE Q&A MODERATOR: Mas Irfan Purbawanto Hidayat, ST. MSc. PhD KEYNOTE SPEAKERS: <ol style="list-style-type: none"> 1. Assoc. Prof. Ir. Dr. Syed Fuad Saiyid Hashim, School of Materials and Mineral Resources Engineering, University Sains Malaysia 2. Ts. Dr. Hoo Peng Yong Faculty of Chemical Engineering & Technology, Universiti Malaysia Perlis 3. Prof. Dr. Agung Purniawan, Materials and Metallurgical Engineering Department, Institut Teknologi Sepuluh Nopember
	COFFEE BREAK
2nd DAY (13 October 2024)	
Time	Description
07.30 – 08.00	REGISTRATION
08.00 – 08.30	OPENING SPEECH: <ol style="list-style-type: none"> 1. Head of Department Material and Metallurgical Engineering 2. Rector of Institut Teknologi Sepuluh Nopember Surabaya
	SYMBOLIC CEREMONY AND COLLECTIVE PHOTOGRAPH
08.30 – 08.45	COFFEE BREAK
08.45 – 11.30 (PRESENTATION)	PANEL SESSION SUPER MODERATOR: Prof. Dr. (H.C.) Dahlan Iskan MODERATOR: Prof. Sungging Pintowantoro, ST. MT, Ph.D.Eng. GOVERNMENT KEYNOTE SPEAKERS: <ol style="list-style-type: none"> 1. Dr. IWAN, S.Hut., M.M. (The Head of the East Java Provincial Office of Industry and Trade) 2. Dr. Siti Sumilah Rita Susilawati, S.T., M.Sc (The Secretary General of Mineral and Coal from the Ministry of Energy and Mineral Resources of the Republic of Indonesia)

	<p>3. Ir. Putu Juli Ardika, MA (Ad interim The Director General of Metal, Machinery, Transportation Equipment, and Electronics Industry (ILMATE) - Ministry of Industry)</p> <p>INDUSTRIAL KEYNOTE SPEAKERS:</p> <ol style="list-style-type: none"> 1. Yohanes Kusmono Director of PT AT Indonesia 2. Budiawansyah Director of Stategic Permit and Corporate General Affairs PT Vale Indonesia Tbk 3. Bambang Riyanto Kepala Cabang Utama Klas Surabaya PT Biro Klasifikasi Indonesia 4. Harry Pancasakti Vice President Government Relation & Smelter Technical Support PT Freeport Indonesia
11.30 – 13.00	LUNCH BREAK
13.00 – 15.15 (DISCUSSION SESSION)	<p>PANEL SESSION</p> <p>SUPER MODERATOR: Prof. Dr. (H.C.) Dahlan Iskan MODERATOR: Prof. Sungging Pintowantoro, ST. MT, Ph.D.Eng.</p> <p>GOVERNMENT KEYNOTE SPEAKERS:</p> <ol style="list-style-type: none"> 1. Dr. IWAN, S.Hut., M.M. (The Head of the East Java Provincial Office of Industry and Trade) 2. Dr. Siti Sumilah Rita Susilawati, S.T., M.Sc (The Secretary General of Mineral and Coal from the Ministry of Energy and Mineral Resources of the Republic of Indonesia) 3. Ir. Putu Juli Ardika, MA (Ad interim The Director General of Metal, Machinery, Transportation Equipment, and Electronics Industry (ILMATE) - Ministry of Industry) <p>INDUSTRIAL KEYNOTE SPEAKERS:</p> <ol style="list-style-type: none"> 1. Yohanes Kusmono Director of PT AT Indonesia 2. Budiawansyah Director of Stategic Permit and Corporate General Affairs PT Vale Indonesia Tbk 3. Bambang Riyanto Kepala Cabang Utama Klas Surabaya PT Biro Klasifikasi Indonesia 4. Harry Pancasakti Vice President Government Relation & Smelter Technical Support PT Freeport Indonesia
15.15 – 15.30	CLOSING TALKSHOW, PEMBERIAN CINDERAMATA, & COFFEE BREAK
15.30 – 16.00	Awarding & CLOSING REMARK (Head of Materials and Metallurgical Department) BEST PAPER BEST PRESENTER BEST POSTER

RUNDOWN PARALLEL SESSION ROOM

1st Day (Saturday, October 12th 2024)

Start	Finish	Diamond 3A	Diamond 3B	Diamond 4A	Diamond 4B
13:00:00	13:15:00	Invited Speaker	Invited Speaker	Invited Speaker	Invited Speaker
13:15:00	13:30:00	MM 001	MMP 001	MEC 001	PCC 001
13:30:00	13:45:00	MM 002	MMP 002	MEC 002	PCC 002
13:45:00	14:00:00	MM 003	MMP 003	MEC 003	PCC 003
14:00:00	14:15:00	MM 004	MMP 004	MEC 004	PCC 004
14:15:00	14:30:00	MM 005	MMP 005	MEC 005	PCC 005
14:30:00	14:45:00	MM 009	MMP 006	MEC 006	PCC 006
14:45:00	15:00:00	Coffee Break			
15:00:00	15:15:00	MM 011	MMP 007	MEC 007	PCC 007
15:15:00	15:30:00	MM 012	MMP 008	MEC 008	PCC 008
15:30:00	15:45:00	MM 013	MMP 009	MEC 009	PCC 010

2nd Day (Monday, October 13th 2024)

Start	Finish	Diamond 3A	Diamond 3B	Diamond 4A	Diamond 4B	Diamond 5A	Diamond 5B (SENAMM)
13:00:00	13:15:00	Invited Speaker	Invited Speaker	Invited Speaker	Invited Speaker	Invited Speaker	Invited Speaker
13:15:00	13:30:00	MMP 010	PCC 011	CFA 002	AMN 001	MMH 001	MM 006
13:30:00	13:45:00	MMP 011	PCC 012	CFA 003	AMN 002	MMH 004	MM 007
13:45:00	14:00:00	MMP 012	PCC 015	CFA 004	AMN 003	MMH 005	MM 008
14:00:00	14:15:00	MMP 013	PCC 016	CFA 005	AMN 004	MMH 006	MM 010
14:15:00	14:30:00	MMP 014	MEC 010	CFA 006	AMP 001	MMH 007	MMH 002
14:30:00	14:45:00	MMP 015	MEC 011	CFA 007	AMP 002	FM 001	MMH 003
14:45:00	15:00:00	MMO 001	MEC 012	CFA 008	AMP 003	FM 002	PCC 009
15:00:00	15:15:00	Coffee Break					
15:15:00	15:30:00	MMO 002	MEC 013	CFA 009	MFM 001	FM 003	
15:30:00	15:45:00	MMO 003		MMO 005	EMP 001	FM 004	
15:45:00	16:00:00	MMO 004		MM 014			

SPEAKER

Academician Keynote Speaker

No	Name	Institution
1	Prof. Atsushi Iizuka	Department of Environmental Studies for Advanced Society, Graduate School of Environmental Studies, Tohoku University, Japan
2	Prof. Syarif Junaidi	Department of Mechanical and Nuclear Engineering, College of Engineering, University of Sharjah, UEA
3	Prof. Nikos Hadjichristidis	Physical Science and Engineering Division at King Abdullah University of Science and Technology (KAUST), Saudi Arabia
4	Assoc. Prof. Ir. Dr. Syed Fuad Saiyid Hashim	School of Materials and Mineral Resources Engineering, University Sains Malaysia
5	Ts. Dr. Hoo Peng Yong	Faculty of Chemical Engineering & Technology, Universiti Malaysia Perlis
6	Prof. Dr. Agung Purniawan	Materials and Metallurgical Engineering Department, Institut Teknologi Sepuluh Nopember

Government Keynote Speaker

No	Name	Institution
1	Dr. Siti Sumilah Rita Susilawati, S.T., M.Sc	The Secretary General of Mineral and Coal from the Ministry of Energy and Mineral Resources of the Republic of Indonesia
2	Ir. Putu Juli Ardika, MA	Ad interim The Director General of Metal, Machinery, Transportation Equipment, and Electronics Industry (ILMATE) - Ministry of Industry
3	Dr. IWAN, S.Hut., M.M.	The Head of the East Java Provincial Office of Industry and Trade

Industrial Keynote Speaker

No	Name	Institution
1	Yohanes Kusmono	Director of PT AT Indonesia
2	Budiawansyah	Director of Statagic Permit and Corporate General Affairs PT Vale Indonesia Tbk
3	Bambang Riyanto	Kepala Cabang Utama Klas Surabaya PT Biro Klasifikasi Indonesia
4	Harry Pancasakti	Vice President Government Relation & Smelter Technical Support PT Freeport Indonesia

DETAIL PARTICIPANTS SUBMISSION**DAY 1****ROOM 3A**

No	Name	Email	Code	Abstract Title
1	Hery Inprasetyobudi	hery.inprasetyobudi@gmail.com	MM 001	Production of Aluminum Metal Matrix Composites Based on 5083 Series Aluminum Alloy Reinforced with Nano-Sized SiC Particles Produced Through Stir Casting and Heat Treatment Processes
2	Fadli Muhammad	fadhlim_08@itb.ac.id	MM 002	Isothermal Oxidation Behavior of Al _{0.5} CoCrCuFeNi High Entropy Alloy at Elevated Temperature
3	Yeni Muriani Zulaida	yeni_m_zulaida@untirta.ac.id	MM 003	Effect of Friction Temperature on Deformation Characteristics of dissimilar AA 6063/Cu in Rotary Friction Welding
4	Ainaya Salsabila	ainayasalsabila9@gmail.com	MM 004	Effect of Thermal Aging and Solution Annealing on Sigma Phase Formation in Super Duplex Stainless Steel UNS S32760
5	Untung Ari Wibowo	untung.ari@itb.ac.id	MM 005	Capitalized Microstructure of Laser Surface-remelted Single Crystal Nickel-based Superalloy ex-Serviced Aircraft Turbine Blade
6	Pattisahusiwa Mohammad Syarif Dzikrullah	pattisahusiwa.mohammad@ui.ac.id	MM 009	The Effect of Quenching Methods on Phase Transformation and Hardness of Cu-26.5Al-3.7Mn (at. %) for Shape Memory Alloy Application
7	Miftakhur Rohmah	miftakhur.its@gmail.com	MM 011	Effects of Quenching Method on Shape Memory Behavior of Cu-24.12Al-3.13Mn (at.%) Alloy
8	Wikan Jatimurti	wikan.jati@gmail.com	MM 012	Effect of Heat Treatment and Holding Time on AISI 4340 Steels Hardness for Multistage Centrifugal Pump Application
9	Widyastuti	wiwid@its.ac.id	MM 013	Analysis of Commercial Palm Sickle (Egrek) Materials and Development of Material and Manufacturing Process for Digital Palm Sickle

ROOM 3B

No	Name	Email	Code	Abstract Title
1	Fakhreza Abdul	fakhreza.abdul.s5@dc.tohoku.ac.jp	MMP 001	Alkali Fusion of Ferronickel Slag Using NaOH: Effect of Particle Size and Temperature
2	Natasya Eka Firraninda	natasyaeka2020@mail.ugm.ac.id	MMP 002	Synthesis and Characterization of Hydroxyapatite and Carbonate Hydroxyapatite Derived Pangasius Hypophthalmus Bones: Effects of Sintering Temperature Variations
3	Chairah Ulfah	chairohulfah@mail.ugm.ac.id	MMP 003	Effect of Stirring Time on the Morphology, Composition, and Crystallinity of Carbonated-Hydroxyapatite from Freshwater Pearl Mussel Shell

4	Ayum Putri Riuni	ayum.putri.riuni@mail.ugm.ac.id	MMP 004	Effect of Hydrothermal Temperature on the Synthesis of Carbonate Hydroxyapatite from Silver-Mouthed Turban (<i>Turbo argyrostoma</i> L.) Shells
5	Yustiya Fajriya Romadhonah	yustiyafajriya@mail.ugm.ac.id	MMP 005	The Effect of Calcination Time on Synthesis of Hydroxyapatite and Carbonated Hydroxyapatite Derived from Antique Ark Clam (<i>Anadara antiquata</i>)
6	Anistasia Milandia	anistasia.milandia@untirta.ac.id	MMP 006	Optimizing Pre-Treatment Techniques for Steel Slag Utilization Through Magnetic Separation and Accelerated Aging Processes
7	Vita Astini	astini.vita@gmail.com	MMP 007	Influence of pH and Temperature on the Purification of Ferronickel
8	Sungging Pintowantoro	sungging@its.ac.id	MMP 008	A Machine Learning Approach in the Reduction Process of Nickel Laterite Ore using Ammonia Gas: An Introduction
9	Nadia Chrisayu Natasha	nadia_natasha90@yahoo.com	MMP 009	First Study of Carbonation Process Using Ultrasonic Technology in Lithium Extraction from Local Geothermal Brine

ROOM 4A

No	Name	Email	Code	Abstract Title
1	Nanik Astuti Rahman	nanik.astuti@lecturer.itn.ac.id	MEC 001	Effect of Activated Bio pellet Microparticles from Bagass Ash on Combustion Characteristics
2	Wildan Alfa Rahman	alfawildan@gmail.com	MEC 002	Steady-State Multiphase Modeling of Hydrogen and Oxygen Bubbles in Alkaline Electrolyzers
3	Is Bunyamin Suryo	isbunyamin@gmail.com	MEC 003	Experimental Study of the Addition Copper Powder Filler on Phase Change Material for Battery Cooling System
4	Anargya Adyatna Satria Pinandita	sumboja@itb.ac.id	MEC 004	Vanadium Dioxide Nanorods as Photoactive Materials for Photo-rechargeable Zinc-ion Batteries
5	Muhammad Nuril Islam	wahyuono@its.ac.id	MEC 005	Controllable Surface Area of NiO using Fluorescent Carbon Quantum Dots for Photoelectrochemical Cell Applications
6	Yuniar Puspithasari	vania@its.ac.id	MEC 006	Analysis of The Effect of Doping Magnesium Oxide Variation at The $\text{Na}_2\text{Zr}_{(1-x)}\text{Mg}_x\text{O}_3$ Cathode on Crystal Structure, Morphology and Electrochemical Peformance of Sodium-Ion Battery (SIB)
7	Azizah Meylianingrum	vania@its.ac.id	MEC 007	Analysis of the Effect of MnO_2 Doping Variations on $\text{Na}_2\text{Zr}_{(1-x)}\text{Mn}_{(x)}\text{O}_3$ Cathode on Crystal Structure, Morphology, and Electrochemical Performance of Sodium-Ion Battery (SIB)
8	Rindang Fajarin	darmino@physics.its.ac.id	MEC 008	Preliminary Study on Lead-Free Mixed-Halide Hybrid Perovskite Films for Photovoltaic Applications
9	Widyastuti	wiwid@its.ac.id	MEC 009	Cathode Binder Separation Cathode of LiFePO_4 (LFP) Batteries by Molten Salt Process and Deep Eutectic Solvent

ROOM 4B

No	Name	Email	Code	Abstract Title
1	Muflikhah	mufli001@brin.go.id	PCC 001	Synthesis and Characterization of Mesoporous Silica MCM-41 Using Sodium Silicate Derived from Geothermal Sludge
2	Harini Sosiati	hsosiati@ft.umy.ac.id	PCC 002	Characterization of Bamboo/glass/epoxy-activated Carbon Particles Laminated Composite's Properties
3	Rakan Putra Buana	budi.setiamarga@itb.ac.id	PCC 003	The Effect of Thermal Ageing on the Tribological Properties of Carbon Fiber-Reinforced Epoxy Composites Using the Pin-on-Disk Method
4	Rijal	hermawan.judawisastra@itb.ac.id	PCC 004	Hygrothermal Degradation of Glass-Carbon Hybrid Composite Manufactured by Vacuum Infusion
5	Fifin Tresna Juwita	lia.asri@itb.ac.id	PCC 005	Facile Synthesis and Characterization of Keratin-Nanocellulose Hydrogel Derived from Chicken Feather and Rice Husk
6	Fuad Hasan Ibrahim	mardiyati@material.itb.ac.id	PCC 006	Preparation and Characterization of Fiber from High Density Polyethylene (HDPE) Bottle Cap Waste for Textile Application
7	Riza Wirawan	riza.wirawan@itb.ac.id	PCC 007	The Potential use of Dammar Gum as a Coupling Agent in Biocomposites
8	Steven	mardiyati@material.itb.ac.id	PCC 008	Enhancing Tensile Properties of Bamboo Viscose Fiber by Partial Dissolution Treatment
9	Wita Amalia Tarikh	amaliya@mat-eng.its.ac.id	PCC 010	Experimental and Simulation of Carbon Fiber Reinforced Composite for Polymer Hand Finger Prosthetic

DAY 2**ROOM 3A**

No	Name	Email	Code	Abstract Title
1	Lia Andriyah	liasubandrio@gmail.com	MMP 010	Extraction of Manganese from Manganese in Trenggalek using Alkaline Leaching, Reduction, and Acid Leaching Methods for the Preparation of Manganese Sulfate
2	Fahny Ardian	fahny1923@gmail.com	MMP 011	Study on the Effect of Size Variation and Use Filblast Reactor in Sulphide Gold Ore Leaching Process on the Percentage of Gold and Silver Extraction
3	Yuli Setyorini	sungging@mat-eng.its.ac.id	MMP 012	Kinetic and Mechanism Green Extraction of Ytterbium from Ore Using Organic Biosorption Nano Chitosan Oligosaccharide in Various Membrane Thicknesses
4	Fathan Bahfie	fath007@brin.go.id	MMP 013	Green Hydrometallurgy Process using Organic Solutions (Citric and Glutamate) from Nd Magnet: Preliminary
5	Mohammad Daffa Rizqi Siddieq	yuli_setyorini@mat-eng.its.ac.id	MMP 014	Various Membrane Thickness of Nano Chitosan Oligosaccharide for Green Biosorption Gold from Low Ore Concentration
6	FM Rohimsyah	fikan.mubarok@lecturer.itk.ac.id	MMP 015	Feasibility of Palm Kernel Shell as a Reduction Agent for Laterite Nickel Ore: Application and Effectiveness Study
7	Andhika Prasetya Ramadhani	andhika.p.ramadhani@gmail.com	MMO 001	Numerical Study of Cube Lattice with Side Diagonal Support Designed Lumbar Cage Implant Model for Lumbar Interbody Fusion Surgery Application
8	Mohammad Khoirul Effendi	khoirul_effendi@me.its.ac.id	MMO 002	Design Optimization of Electric Control Unit Casing for Diesel Dual Fuel Vehicles in Palm Oil Plantation, Using Backpropagation Neural Network and Genetic Algorithm
9	Nadhif Muhammad Kautsar	06201032@student.itk.ac.id	MMO 003	3D Artificial Model Based on μ CT-Scan for Heat Transfer Analysis in Oil Palm Empty Fruit Bunch Thermal Insulation
10	Dandy Wahyu Wirawan	dandy.wahyu@pertamina.com	MMO 004	Design Evaluation and Optimization of Pipeline Temporary Support using Finite Element Analysis

ROOM 3B

No	Name	Email	Code	Abstract Title
1	Cahyo Budiyanoro	cahyo_budi@umy.ac.id	PCC 011	The Effect of Ultraviolet Exposure on Mechanical and Physical Properties of Wood Plastic Composite with Waste Polypropylene Matrix
2	Mohamad Irfan Fathurrohman	irfanirri@gmail.com	PCC 012	The Effect of Bio-Processing Oil from Red Palm Oil on the Dynamic Mechanical Properties and Filler Network of Silica-Filled SSBR/BR Compound
3	Norma Arisanti Kinasih	norma.kinasih88@gmail.com	PCC 015	Enhancing Green Tire Performance with Sustainable Plasticizers: A Comparative Study of Epoxidized Red Palm Oil (ERPO) and Epoxidized Soyabean Oil (ESBO)

4	Hanif Olivia Putri	hanifolivia@gmail.com	PCC 016	Addition of Cassava Starch Polymer to High-Density Polyethylene (HDPE) and Its Effect on the Characteristics of Biodegradable Polymer Blend
5	Widyastuti	wiwid@its.ac.id	MEC 010	Analysis of Carbon Coating and Solid State Sintering Process Engineering on the Electrochemical Performance of Lithium-Ion Batteries Regeneration
6	Aisya Tri Intan Luckyta Sari	vania@its.ac.id	MEC 011	The Effect of Calcining Temperature on the Crystal Structure, Morphology and Electrochemic Performance of $\text{Na}_{0.628}\text{Fe}_{0.03}\text{Co}_{0.97}\text{O}_2$ as a Sodium Ion Battery (SIB) Cathode
7	Yusuf Pradesar	sutarsis@its.ac.id	MEC 012	Facile Treatment on Melamine-based Graphitic Carbon Nitride for Enhancing Catalyst Activity of PEMFC Electrode
8	Haniffudin Nurdiansah	hanif_nurdiansah@its.ac.id	MEC 013	Performance of Electric Double Layer Capacitor Electrode from Reduced Graphene Oxide Material Prepared by Zn Reduction Following by Hydrothermal Process

ROOM 4A

No	Name	Email	Code	Abstract Title
1	Sri Hastuty	sri.hastuty@universitaspertamina.ac.id	CFA 002	Stress Corrosion Cracking Analysis on Stainless Steel 304 with the Addition of Fixation in Chloride-Containing Solution
2	Putri Intan Usi Fausia	asep.ridwans@itb.ac.id	CFA 003	Optimizing Mechanical and Corrosion Properties of Mg-1.5Mn Alloy Through Controlled Spark Plasma Sintering Parameters
3	Oki Gumilar	oki.gumilar@pertamina.com	CFA 004	Reduce Pipeline Corrosion Risks in High Consequence Areas Through a Pipeline Integrity Program
4	Norman Bernando	norman.bernando_tm21@nusaputra.ac.id	CFA 005	Analysis of the Effect of Anode Dimensions with Three Size Variables on the Potential Current Using the DNV GL RP-B401 Method
5	Tubagus Noor Rohmannudin	roma@mat-eng.its.ac.id	CFA 006	Analysis the Effect of Variations of 2%; 2.5%; 3% Cerium Composition and Temperature of 3.4% NaCl Solution on The Efficiency of Aluminum Sacrificial Anodes
6	Sri Rejeki Wahyu Pribadi	wahyupribadisirejeki@gmail.com	CFA 007	Supplier Selection Process of Shipbuilding Industry
7	Ade Wahyu Yusariarta PP	adewahyu27@lecturer.itk.ac.id	CFA 008	Design and Optimization of Savonius Turbine Blades with Curved Tips Using Finite Element Method
8	Putu Suwarta	putu_suwarta@its.ac.id	CFA 009	Tensile Properties Modification of Ramie (<i>Boehmeria nivea</i>) Yarn Due to Alkali Treatment
9	Mas Irfan Mas Irfan Purbawanto Hidayat	irfan@mat-eng.its.ac.id	MMO 005	Influence of Lattice Parameters to Mechanical Properties and Behaviour of 3D Re-Entrant Honeycomb Auxetic Metamaterial using Finite Element Analysis

10	Maula Nafi	maula.nafi@untag-sby.ac.id	MM 014	Analysis of Welding Defects and Tensile Strength in GTAW of ST-37 Steel to Prevent Material Quality Degradation
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ROOM 4B

No	Name	Email	Code	Abstract Title
1	Jonathan Arza Putra	jonathanmaterial02@gmail.com	AMN 001	Photocatalytic CO ₂ Reduction with ZnO Nanomaterial: The Critical Role of UV Irradiation Time
2	Riska Rachmantyo	ariewibowo@itb.ac.id	AMN 002	Green Synthesis of Silver Nanoparticles using Extract of Jengkol (<i>Archidendron jiringa</i>) Peel
3	Hariyati Purwaningsih	hariyati@its.ac.id	AMN 003	Preparation of TiO ₂ /Graphene Quantum Dots Nanocomposite as a Potential Photocatalyst Material for Degradation of Dye in Wastewater
4	Hariyati Purwaningsih	hariyati@its.ac.id	AMN 004	Synthesized and Characterization of TiO ₂ /CuS/GQDs Nanocomposites for Photocatalytic Application of Degradation of Organic Cyanide in Water
5	Axelino Kurniawan Henanto	axelino.henanto@gmail.com	AMP 001	Evaluating Mechanical Properties of Electrodeposited CoFeNi Medium-Entropy Alloy Coating
6	Moch. Ardi Setiawan	ardisetiawan0317@gmail.com	AMP 002	Surface Roughness Prediction in Thin-Walled End Milling of Aluminum Alloy 7075-T651 Using Fuzzy Inference System
7	Darryl	hermawan.judawisastra@itb.ac.id	AMP 003	Dimensional Optimization of <i>Sansevieria trifasciata</i> Fiber-Reinforced PLA Filaments for Additive Manufacturing
8	Yuli Setyorini	sungging@mat-eng.its.ac.id	MFM 001	Optimizing the Marine Propeller Process Based on Local Materials to Support the Downstream Independence of Local Maritime Development Components
9	Rindang Fajarin	fajar@mat-eng.its.ac.id	EMP 001	Effects of Al ₂ O ₃ Addition on the Thermal Stability and Electrical Properties of Zn _(1-x) Al _x O as a Potential Thermoelectric Material at High Temperatures

ROOM 5A

No	Name	Email	Code	Abstract Title
1	Alfensa Dinda Gestara Febrananda	alfensadinda@gmail.com	MMH 001	Evaluation of Triply Periodic Minimal Surface (TPMS) Lattice Structures on Their Application to Reduce Stress-Shielding of Femoral Stem Implant
2	Syahrin Haifa Khoirunnisa	amaliya@its.ac.id	MMH 004	Analysis The Effect of The Addition Of B-TCP And PEG to PVA Hydrogel on The Physical and Mechanical Properties of Injectable Biomaterial
3	Nabila Firdausi Nuzula	amaliya@its.ac.id	MMH 005	Analysis of the Effect of Gelatin Addition on Morphology and Mechanical Properties of PVA/Collagen/Gelatin Scaffold in Microtia Reconstruction
4	Salsa Zulfa Aurelia	amaliya@its.ac.id	MMH 006	Study Effect of Variation in Cellulose Amount on the Synthesis Process of Cellulose Beads from Water Hyacinth
5	Hosta Ardhyananta	hosta.ardhyananta@its.ac.id	MMH 007	Ultrasonic Speed and Gain of Water/Methyl Cellulose/Aloe Vera for Water Based Gel Ultrasonic Testing Couplant: Effect of Aloe Vera

6	Sitti Aisah Kaimuddin	aisahphysics87@gmail.com	FM 001	Investigating the Phase Behavior of Zirconia with CaO Additives at High Temperatures
7	Fakhri Khairi	ariewibowo@itb.ac.id	FM 002	Comparison Study on Fabrication Method of Iron Oxide Particles as Heterogeneous Fenton Catalyst for Wastewater Treatment
8	Lukman Andi Priyatna	lukman.andi@ui.ac.id	FM 003	The Role of Substrate-Nozzle Distance in Atomic Nebulizers in the Photoelectrochemical Water Splitting Performance of ZnO Nanorods
9	Haniffudin Nurdiansah	hanif_nurdiansah@its.ac.id	FM 004	Potential of Rice Husk Ash as an Additive Material for Fly Ash-Ground Granulated Blast Furnace Slag Based Geopolymer

ROOM 5B

No	Name	Email	Code	Abstract Title
1	Mohamad Vieghe Anthory	muhamadvigoa@gmail.com	MM 006	The Effect of Shot Peening Method on the Depth Hardness of Hadfield Steel for Frognose Rail Application
2	Ghatsa zahira shofa	yorina.lantang@itb.ac.id	MM 007	Identification of Metal-Based Bolt Material and Its Manufacturing Process for Reverse Engineering
3	Qesha Diva Prameshvara	qesha.diva@ui.ac.id	MM 008	Pengaruh Temperatur Canai Panas saat Laku Pelarutan terhadap Respons Penuaan Paduan Al-1,01Mg-0,58Si (%Berat) Hasil Squeeze Casting
4	Teguh Budiyanto	teguh.budiyanto21@ui.ac.id	MM 010	Pengaruh Metode Pencelupan terhadap Struktur Mikro dan Sifat Mekanik Paduan Ingot Bentuk Cu-26,5Zn-5,15Al % Berat
5	Dita Puspitasari	ditapus@telkomuniversity.ac.id	MMH 002	Calibration Phantom Materials for Ultrasonography Device: A Review
6	Hariyati Purwaningsih	hariyati@its.ac.id	MMH 003	Synthesized and Preparation Rifampicin Encapsulated SBA-15 as an Aerosol Therapy: Preliminary Study of Pulmonary Drug Delivery
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