



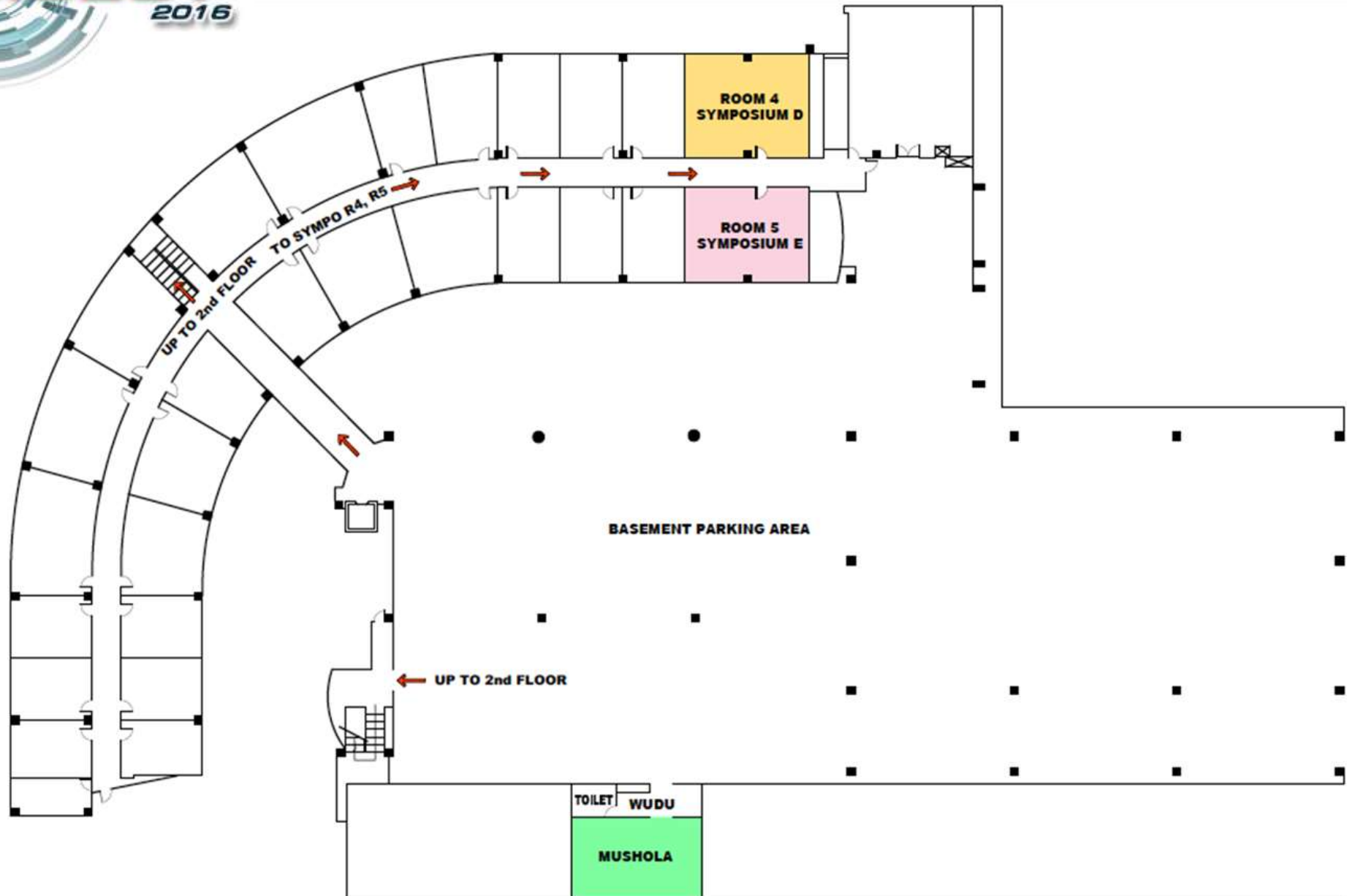
# **SIGEST 2016**

## **PROGRAM SCHEDULE**

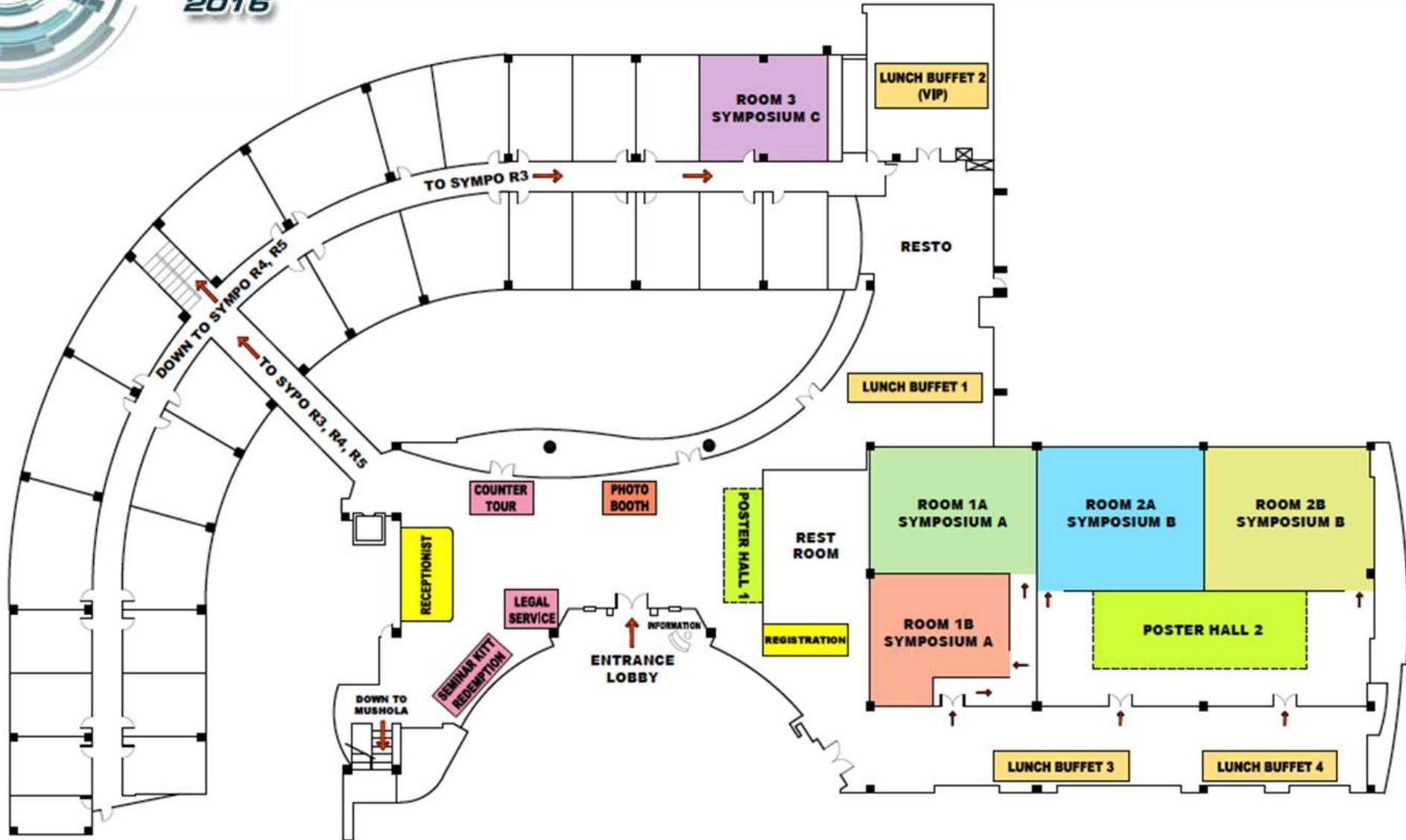
# ROOM INFORMATION



ROOM	FLOOR	HOTEL LABEL	SYMPOSIUM	REMARKS
1A	2nd	TANJUNG KELAYANG 1	A	CVE-ABE
1B	2nd	TANJUNG KELAYANG 1	A	CVE-ABE
POSTERHALL 1	2nd	LOBBY	A	CVE-ABE
2 A	2nd	TANJUNG KELAYANG 2	B	CPB-ERG
2 B	2nd	TANJUNG KELAYANG 2	B	CPB-ERG
POSTER HALL 2	2nd	TANJUNG KELAYANG 2	B+C+D+E	ALL FIELD
3	2nd	WANGKA 2	E	ECT-CIS
4	1 <sup>st</sup>	WANGKA 5	C	MCI-MTR
5	1 <sup>st</sup>	WANGKA 3	D	GMN-ENV



# LAY OUT (2<sup>nd</sup> Floor)





# SYMPOSIUM PRESENTATION SCHEDULE



**SICEST2016**

**SYMPOSIUM A - ROOM 1A - TANJUNG KELAYANG 1 (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CIVIL AND ARCHITECTURE ENGINEERING**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
10.30-12.30  <b>SESSION 1 (PARALEL)</b>	1	CVE-014	Study on Effectiveness of Flood Control based on Risk Level: Case Study of Kampung Melayu Village and Bukit Duri Village	Mohammad Farid, Harni Harumi Pusparani and Muhammad Syahril Badri Kusuma	Faculty of Civil and Environmental Engineering, Bandung Institute of Technology, Bandung
	2	CVE-021	The Influence of Pore Water Pressure to Seepage and Stability (Study Case of Sermo Dam)	Undayani Cita, Sri Prabandiyani Retno Wardani and Suharyanto	Department of Civil Engineering, Faculty of Engineering, Diponegoro University, Semarang
	3	CVE-036	Automatic Gate Design Model From Wood & Tire For Farmers	Ivan Indrawan, Nursyamsi and Sayed Iskandar Muda	Department Of Civil Engineering, University Of Sumatera Utara, Medan
	4	CVE-032	Sensitivity Analysis of Roof Catchment Area and Storage Tank Capacity to the Rainwater Harvesting System Performance	Imroatul Chalimah Juliana, Muhammad Syahril Badri Kusuma, M. Cahyono, Hadi Kardhana and Widjaja Martokusumo	Faculty of Civil and Environmental Engineering, Bandung Institute of Technology, Bandung
	5	CVE-022	Rain Water Quality Improvement Using Zeolite, Activated Carbon, Limestone and Preheated 400°C Limestone	Meilani, S. Syafalni, Yulianto Santoso, Gorga Green Malau	Civil Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta
	6	CVE-035	The Application of Neural Network Backpropagation Method to Estimate the Sediment Loads	Taufik Ari Gunawan, Muhammad Syahril Badri Kusuma, M.Cahyono and Joko Nugroho	Faculty of Civil and Environmental Engineering, Bandung Institute of Technology, Bandung
	7	CVE-024	Development of Site Class and Site Coefficient Maps of Semarang Using Real VS30	Windu Partono, Masyhur Irsyam and Sri Prabandiyani	Civil Engineering Department, Faculty of Engineering, Diponegoro University, Semarang
	8	CVE-009	Friction Capacity Reduction Of Heaved Pile Embedded in Clays	Gogot Budi and Gondo Tantri	Civil Engineering Department, Petra Christian University, Surabaya
	9	CVE-025	Parametric Study on the Effect of Rain Pattern to Factor of Safety of Slope	Fathiyah Hakim Sagitaningrum and Erly Bahsan	Civil Engineering Department, Faculty of Engineering, University of Indonesia, Depok
	10	CVE-031	Management of Slope Stability Analysis in Muara Enim Regency, South Sumatera Province (Case Study: SP. Sugihwaras- Muara Enim and SP. Sugihwaras-Baturaja)	Ika Juliantina, Yulinda Sari, Ratna Dewi, Bimo Brata Adhitya and Reffanda Kurniawan	Civil Engineering Departement, Faculty of Engineering, Sriwijaya University, Palembang
	11	CVE-005	Drought Mitigation Participatory at Pinang Luar Lowland, West Borneo (Indonesia)	Henny Herawati and Stefanus B. Soeryamassoeka	Civil Engineering Department, Faculty of Engineering, Tanjungpura University, Pontianak
	12	CVE-004	Analysis of Unsaturated Soil Parameters as Slope Stability Mitigation	Heriansyah Putra, Ahmad Rifa'l, Joko Sujono and Alfira Silarukmi	Civil Department, Engineering Faculty, University of Jambi, Jambi

**SYMPOSIUM A - ROOM 1A - TANJUNG KELAYANG 1 (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CIVIL AND ARCHITECTURE ENGINEERING**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
13.30-15.30  SESSION 2 (PARALEL)	1	CVE-001	Seismic Performance of Rectangular Concrete Column with Pen-binder	Anang Kristianto, Yosafat Aji Pranata and Iswandi Imran	Civil Engineering Department, Maranatha Christian University, Bandung
	2	CVE-002	Seismic Performance of Large Size BCR Column	Erwin, Chen Cheng-Cheng and Lin Shu-Hao	Department of Civil and Construction Engineering, Faculty of Engineering, National University of Science and Technology, Taiwan
	3	CVE-006	Evaluation of the Pre-Cracked RC Beams Repaired with Sealant Injection Method	Zaidir Jalaluddin, Rendy Thamrin and Erick Dalmantias	Civil Engineering Department, Andalas University, Padang
	4	CVE-013	Bending Failure Analysis at HPFRC Plates with Various Depth and Loading Program	Krisnamurti, Agoes Soehardjono, Achfas Zacoeb and Ari Wibowo	Civil Engineering Department, Faculty of Engineering, Jember University, Jember
	5	CVE-042	Effect of longitudinal joint on the shear-key of Hollow Core Slab which function as an rigid diaphragm	Gambiro Soeprapto, Mukhlis Sunarso, Sumarsono, Ferryandy Murdono, Winda Agustin, Raynela Siahaan	Research and Development, PT Wijaya Karya Beton Tbk., Bekasi, Indonesia
	6	CVE-017	Experimental Study on Strength and Stiffness Connection of Wooden Truss Structure	Altho Sagara, Johannes Adhijoso Tjondro and Husain Abdurrahman Shiddiq	Department of Civil Engineering, Parahyangan Catholic University, Bandung
	7	CVE-018	Behavior of Pad Footing With Cold-Formed Lipped C-Channel Steel Section as Permanent Form-Work	Anis Saggaff, Mahmood Md Tahir, Wong Kah Leong and Shek. Poi Ngian	School of Civil Engineering, Universitas Sriwijaya, Palembang
	8	CVE-029	Bamboo Reinforced Concrete Slab with Styrofoam Lamina Filler as Solution for Lightweight Concrete Application	Ari Wibowo, Indradi Wijatmiko and Christin Remayanti Nainggolan	Department of Civil Engineering, Faculty of Engineering, Brawijaya University, Malang
	9	CVE-034	The Effect of Polymer Coated Pumice to the Stiffness and Flexural Strength of Reinforce Concrete Beam	Indradi Wijatmiko, Ari Wibowo and Christin Remayanti Nainggolan	Department of Civil Engineering, Faculty of Engineering, Brawijaya University, Malang
	10	CVE-041	Multi Performance Option in Direct Displacement Based Design	Ima Muljati, Yonatan and Adrian Hartono	Civil Engineering Department, Petra Christian University, Surabaya
	11	CVE-043	Flexural Behaviour of Reinforced Concrete Beams With Discrete Steel – Polypropylene Fibres	Wan Amizah Wan Jusoh, Izni Syahrizal Ibrahim and Abdul Rahman Mohd Sam	Department of Structures and Materials, Faculty of Civil Engineering and Environment, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia
	12	CVE-030	Mechanical and Physical Properties of Metakaolin Based Geopolymer Paste	Puput Risdanareni, Poppy Puspitasari, Edi Santoso and Edo Prasetya Adi	Civil Engineering Department, Faculty of Engineering, Universitas Negeri Malang, Malang

**SYMPOSIUM A - ROOM 1A - TANJUNG KELAYANG 1 (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CIVIL AND ARCHITECTURE ENGINEERING**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
15.45-17.45  <b>SESSION 3 (PARALEL)</b>	1	CVE-003	Consistency of Fly Ash Quality in Making High Volume Fly Ash Concrete	Antoni, Alvin Krisnanta Widiyanto, Jerry Lakshman Wiranegara and Djwantoro Hardjito	Civil Engineering Department, Petra Christian University, Surabaya
	2	CVE-007	Study of The Influence of Using Various Types of Natural Materials on Characteristics Filler Mixed Laboratories AC - BC for Replacement as Industry Materials	Muhammad Reza.A. Maha and Harmein Rahman	Highway Engineering& Department, Faculty of Engineering and Enviroment, Institute of Tecnology Bandung, Bandung
	3	CVE-008	Natural Lime Treated as Partial Cement Replacement to Produce Concrete	Tan Yeong Yu, Doh Shu Ing and Chin Siew Choo	Civil Engineering Department, Faculty of Engineering, University Malaysia Pahang, Malaysia
	4	CVE-039	Influence of Uncoated and Coated Plastic Waste Coarse Aggregates to Concrete Compressive Strength	Heru Purnomo, Gandjar Pamudji and Madsuri Satim	Civil Engineering Department, Faculty of Engineering, Universitas Indonesia, Depok
	5	CVE-020	The Study of the Usage of Coral and Limestone Aggregates as Asphaltic Layer on Coastal Structures	Adelia Dwidarma Nataadmadja, Oki Setyandito, Fiona Maida Basrian and Michael Grashinton Kurniawardhani	Civil Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta
	6	CVE-011	Modelling Effect of Aggregate Gradations and Bitumen Contents on Marshall Properties of Asphalt Concrete	Arief Setiawan, Latif Budi Suparma and Agus Taufik Mulyono	Civil Engineering and Enviromental Department, Faculty of Engineering, Gadjah Mada University, Yogyakarta
	7	CVE-019	The Potential of Natural Calcium Carbonate and Sewage Sludge as Cement Replacement in Mortar Brick	Doh Shu Ing, Chin Siew Choo, Muhammad Aizat Azed, Tan Yeong Yu and Adilen Suii	Civil Engineering Department, Faculty of Engineering, University Malaysia Pahang, Malaysia
	8	CVE-056	Shear Strength Study Effect of Gradation and Clay Content on Clayey Sand	Soewignjo Agus Nugroho, Gunawan Wibisono and Khairul Umam	Civil Engineering Department, Faculty of Engineering, University of Riau, Pekanbaru
	9	CVE-074	Splitting Tensile Strength of Lightweight Foamed Concrete with Polypropylene Fiber	Cher Siang Tan, Anis Saggaff, Freccy Raupit, Yee Ling Lee, Mahmood Md Tahir	Forensic Engineering Centre, Universiti Teknologi Malaysia, Malaysia
	10	CVE-050	Sustainable Development: Early Age Strength of HSC Using Fly Ash to Replace Part of Cement	Gidion Turuallo and Harun Mallisa	Civil Engineering Department, Tadulako University, Palu, Indonesia
	11	CVE-055	Improving Mortar Properties in Saline Environment	Jauhar Fajrin, Pathurahman Pathurahman and Lalu Pratama	Civil Engineering Department, Faculty of Engineering, Mataram University, Mataram
	12	CVE-023	Cracking of Open Traffic Rigid Pavement	Chatarina Niken and Yudi Siswanto	Civil Engineering Department, Faculty of Engineering, Lampung University, Lampung



**SYMPOSIUM A - ROOM 1B - TANJUNG KELAYANG 1 (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CIVIL AND ARCHITECTURE ENGINEERING**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
10.30-12.30	SESSION 1 (PARALEL)	1	ABE-001	The Effect of Horizontal Light Pipe's Opening Distribution Area on Daylighting Performance in The Tropics	Feny Elsiana, Sri Nastiti Ekasiwi and I Gusti Ngurah Antaryama	Department of Architecture, Faculty of Civil Engineering and Planning, Petra Christian University, Surabaya
		2	ABE-002	Passive Cooling Design Strategy as Ecological Aspect of Vernacular Tropical House	Agung Murti Nugroho and Wasiska Iyati	Department of Architecture, Faculty of Engineering University of Brawijaya, Malang
		3	ABE-003	Bamboo Architectonic: Experimental Studies Using Bundled-Bamboo-Split (BBS) as Curved Structural Elements	Anastasia Maurina and Budianastas Prastyatama	Architecture Department, Faculty of Engineering, Universitas Katolik Parahyangan, Bandung
		4	ABE-004	Impacts of Long-Span Bamboo Structure towards Architectural-Spatial Experience	Revian Wirabuana and Anastasia Maurina	Architecture Department, Faculty of Engineering, Universitas Katolik Parahyangan, Bandung
		5	ABE-007	Making Retention Pond As An Attracting Element For Site Planning In Lowland Housing Area	Widya Anwar and Fuji Amalia	Architecture Department, Faculty of Engineering, Sriwijaya University, Palembang
		6	ABE-006	A Topology of Residents' Preferences for Sustainable Riparian Settlement in Palembang, Indonesia	Maya Fitri, Triyadi Sugeng and Harun Ismet	Architecture Department, Faculty of Engineering, Sriwijaya University, Palembang
		7	ABE-008	Traditional Urban Form and Evolutionary Mechanisms Quanzhou and Malacca	Wang Han, Jia Beisi	The Department of Architecture, The University of Hong Kong, Hong Kong
		8	ABE-009	Strategy of Public Space Improvement in Traditional Riverside Settlement: Case Study 3-4 Ulu Palembang	Tutur Lussetyowati, Edy Sutriyono, Ridhah Taqwa and Widya Fransiska F Anwar	Architecture Department, Faculty of Engineering, Sriwijaya University, Palembang
		9	ABE-010	The Role of Corridor in Territorial Meaning Formation in "Owned Low-cost Apartments" ('Rusunami') Bidara Cina, Jakarta	Fermanto Lianto, Lilianny Sigit Arifin and Basuki Dwisusanto	Architecture Department, Faculty of Engineering, Tarumanegara University, Jakarta
		10	ABE-013	Architectur, Space and Power In Historical Multi-Ethnic City - Gresik	Dian Ariestadi, Antariksa and Lisa Dwi Wulandari	Civil Engineering - Faculty of Engineering, Brawijaya University, Malang
		11	ABE-012	Typology of Accessibility between Planned and Unplanned Settlements	Tin Budi Utami and Budi Susetyo	Architecture Department, Mercu Buana University, Jakarta
		12	ABE-014	Gubeng Bridge in Surabaya, a Dutch Architect C. Citroen's Work in the 1925 Paris Exhibition	Joko Triwinarto Santoso	Department of Architecture, Brawijaya University, Malang

**SYMPOSIUM A - ROOM 1B - TANJUNG KELAYANG 1 (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CIVIL AND ARCHITECTURE ENGINEERING**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION
13.30-15.30 <b>SESSION 2 (PARALEL)</b>	1	ABE-018	Bamboo Folded Frame as an Architectural Structure	Bernadette Sudira and Anastasia Maurina Architecture Departement, Parahyangan Catholic University, Bandung
	2	ABE-020	The Space of Nobility Building: The Construction of Spatial Concept Based Upon The Beliefs and The Life Orientation in The Site of Majapahit Ancient City, Trowulan Indonesia	Wara Indira Rukmi, Acmad Djunaedi, Sudaryono Sastrosasmito and Heddy Shri Ahimsa-Putra Urban and Regional Planning Department, Faculty of Engineering, Brawijaya University, Malang
	3	ABE-025	Strategy to Adjust Musi River Front Development at Palembang	Setyo Nugroho and Husnul Hidayat Architecture Department, Faculty of Engineering, Sriwijaya University, Palembang
	4	ABE-022	The Madurese Cultural Values in Kotalama Settlements - Malang	Damayanti Asikin, Antariksa and Lisa Dwi Wulandari Civil Engineering Department, Faculty of Engineering, Brawijaya University, Malang
	5	ABE-024	'Nongkrong' Phenomenon Among University Students in Malang: Implications on The Characteristics of City Planning	Astri Anindya Sari and Shirleyana Civil Engineering Department, Universitas Negeri Malang, Malang
	6	ABE-017	Marketing Place : The Strategy of Heritage Tourism Development of Kuto Besak Fort Palembang	Meldo Andi Jaya Architecture Department, Faculty of Engineering, Muhammadiyah University of Palembang,
	7	ENV-001	Water yield under various areas of pine forest at Kedungbulus watershed, Central Java, Indonesia	Irfan Pramono, Sri Budiastuti, Totok Gunawan and Wiryanto Civil Engineering Department, Faculty of Fisheries, Riau University, Pekanbaru
	8	ENV-013	Lessons Learned in Developing a Green Environment at the Engineering Faculty, University of Indonesia	Gabriel Andari Kristanto, Cindy Priadi, Nyoman Suwartha, Erly Bahsan and Arief Udhiarto Civil Engineering Department, Faculty of Engineering, Universitas Indonesia, Depok
	9	ENV-006	Numerical Model for Pollutant Dispersion in Dumai Estuary	Mubarak, Sigit Sutikno and Rena Dian Merian Civil Engineering Department, Faculty of Fisheries, Riau University, Pekanbaru
	10	ENV-012	Biochemical Methane Potential from the Digestion of Domestic Mixed Sewage Sludge in Batch Tests	Roslinda Seswoya and Ahmad Tarmizi Abdul Karim Micro Pollutant Research Centre, Faculty of Civil and Environmental Engineering, Universiti Tun Hussein Onn Malaysia, Parit Raja, Malaysia
	11	ENV-016	Analysis of Erosion Hazardous Level and Sedimentation in Manna Watershed Bengkulu Province Indonesia	Khairul Amri, Muhammad Faiz Barchia and Yuzuar Aprizal Civil Engineering Department, Faculty of Engineering, University of Bengkulu, Bengkulu
	12	ENV-007	Assessment of Indoor Air Quality in Comparison using Air Conditioning and Fan System in Printing Premise	Nazirah Ramlan, Siti Nurhalimatul Husna Ahmad, Siti Khalijah Yaman, Hazrul Abdul Hamid, Abd Halid Abdullah, and Eeydzah Aminuddin Faculty of Civil and Environmental Engineering, Universiti Tun Hussein Onn Malaysia, 86400 Batu Pahat, Johor, Malaysia

**SYMPOSIUM A - ROOM 1B - TANJUNG KELAYANG 1 (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CIVIL AND ARCHITECTURE ENGINEERING**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
15.45-17.45 <b>SESSION 3 (PARALEL)</b>	1	CVE-049	An analysis of Activity Timing and Mode Choice Behavior for Fixed Time Workers	Melawaty Agustien, Ade Sjafruddin, Sony Sulaksono Wbowo and Harun Al Rasyid S. Lubis	Civil Engineering Department, Sriwijaya University, Palembang
	2	CVE-010	Track Access Charge for Indonesian Railways Using Full Cost Method: Improving Industry Competitiveness	Mohammed Ali Berawi, Perdana Miraj, Abdur Rohim Boy Berawi, Nahry and Jachrizal Sumabrata	Civil Engineering Department, Faculty of Engineering, Universitas Indonesia, Depok
	3	CVE-027	Port Performance Evaluation Tool Based on Microsimulation Model	Jzolanda Tsavalista Burhani, Febri Zukhruf and Russ Bona Frazila	Civil Engineering Department, Faculty of Engineering, Bandung Institute of Technology, Bandung
	4	CVE-069	Quality of Experience on Toll Roads: Road Condition and Travel Time	Herry Trisaputra Zuna and Naya Cinantya Drestalita	Indonesia Toll Road Authority, Ministry of Public Works and Housing
	5	CVE-047	Importance Level of Construction Managers' Technical Competency Across Different Contractors' Demographics In Malaysia	Hairuddin Mohammad, Fadzil Hassan and Siti Khalijah Yaman	Faculty of Architecture, Planning, and Survey, University of MARA Technology Malaysia
	6	CVE-061	Dominant Factor Causes of Construction Waste in the Indonesian Construction Project	Elizar, Suripin and M.Agung Wibowo	Civil Engineering Department, Faculty of Engineering, Diponegoro University, Semarang
	7	CVE-057	Risk Allocation in Performance Based Contract Clauses For National Road Maintenance Project in Indonesia	Deni Setiawan, Reini Wirahadikusumah and Khrisna Suryanto Pribadi	Civil Engineering, Institut Teknologi Bandung, Bandung
	8	CVE-058	A Clustering Study - Steps To Protect Groundwater Resources	Tatas, Yuyun Tajunnisa and Muhammad Hafiihz Imaaduddiin	Civil Engineering Department, Faculty of Civil Engineering and Planing, Institut Teknologi Sepuluh Nopember, Surabaya
	9	CVE-054	Study of Longitudinal Slipway in Fisheries Port	Slamet Hargono	Civil Engineering Department, Diponegoro University, Semarang
	10	CVE-051	Simplified Hydraulic Conceptual Model for Stormwater Treatment Bioretention Basin	Isri Ronald Mangangka	Department of Civil Engineering, Faculty of Engineering, Sam Ratulangi University, Manado
	11	CVE-062	The Investigation of El Nino Impacts on Rainfall in Lampung Province - Indonesia	Gatot Susilo, Eka Desmawati and Ankavisi Nalaralagi	Civil Engineering Department, Faculty of Engineering, University of Lampung, Bandar Lampung
	12	CVE-071	The Effect of the Plate Numbers Toward the Compression Bearing Capacity of Helical Piles in Peat Soil	Ferry Fatnanta, Muhardi and Parlan	Undergraduate Civil Engineering Program, University of Riau, Pekanbaru

**SICEST POSTER HALL 1 - LOBBY (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL CONFERENCE ON ENGINEERING, SCIENCE & TECHNOLOGY**

**POSTER HALL 1 (LOBBY) / SESSION 1**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
09.00-12.30	SESSION 1 LINE 1	1	CVE-037	Structural Behaviour of Steel Building with Modified X-Braced EBF (Eccentrically Braced Frames) by Pushover Analysis	Yakni Idris, Saloma Hasyim and Federico Federico	Civil Engineering Department, Sriwijaya University, Palembang
		2	CVE-048	Transportation Model of Palembang City	Joni Arliansyah, Muhammad Rizky Prasetyo and Astri Yuli Kurnia	Civil Engineering Department, Sriwijaya University, Palembang
		3	CVE-065	The Behaviour Study of Shear Wall on Concrete Structure by Pushover Analysis	Hanafiah Hanafiah, Saloma Hasyim, Yakni Idris and Julius Yahya	Civil Engineering Department, Sriwijaya University, Palembang
		4	CVE-028	Development of Erosion Risk Map in Siak River Basin Using Fuzzy Logic Approach	Manyuk Fauzi, Imam Suprayogi, Sigit Sutikno, Ari Sandhyavitri and Eko Riyawan	Civil Engineering Department, Faculty of Engineering, Riau University, Pekanbaru
		5	CVE-033	Hydrologic Modeling Using TRMM-based Rainfall Products for Flood Analysis	Sigit Sutikno, Yohanna Lilis Handayani, Manyuk Fauzi, Rinaldi, Fitriani, Ariani Kurnia and Ari Sandhyavitri	Civil Engineering Department, Faculty of Engineering, Riau University, Pekanbaru
		6	CVE-040	Accuracy Analysis of SRTM Usage for Upper Citarum River Flood Modeling	Riza Inanda Siregar	Civil Engineering Department, Faculty of Engineering, Sumatera Utara University, Medan
		7	CVE-064	Floodplain Simulation for Musi River Using Integrated 1D/2D Hydrodynamic Model	M. Baitullah Al Amin, Sarino Sarino and Helmi Haki	Civil Engineering of Sriwijaya University, Palembang
		8	CVE-070	Analysis of Transport Sedimentation in Settling Basin Weir in Watervang Lubuk Linggau	Okma Yendri and Djugondo Siswodjo	Civil Engineering, Universitas Musi Rawas, Musi Rawas
		9	CVE-059	Perceptions of civil engineers on adequacy of infrastructure at Sumatera	Peter Kaming and Ferianto Raharjo	Department of Civil Engineering, Faculty of Engineering, University of Atma Jaya Yogyakarta, Yogyakarta
		10	CVE-067	Effect of Plastic Aggregate coated with Sand to the Compressive Strength of Concrete	Madsuri Satim, Gandjar Pamudji and Heru Purnomo	Civil Engineering Department, Faculty of Engineering, Universitas Indonesia, Depok
		11	CVE-063	The Analysis for Trip Generation of High Schools on Cihampelas Street Bandung	Tania Bonita Sabrina and Tan Lie Ing	Civil Engineering Department, Faculty of Engineering, Maranatha Christian University, Bandung
		12	CVE-073	Quantification of Emissions Rates of NOx based on Equipment and Engine Tier Types for Diesel Construction Equipment	Heni Fitriani and Phil Lewis	Oklahoma State University, School of Civil and Environmental Engineering, Oklahoma, USA

**SICEST POSTER HALL 1 - LOBBY (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL CONFERENCE ON ENGINEERING, SCIENCE & TECHNOLOGY**

**POSTER HALL 1 (LOBBY) / SESSION 1**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
09.00-12.30	SESSION 1 LINE 2	1	ABE-019	Canopy Density of Trees as Raindrops Arranger	Sri Budiastuti, Djoko Purnomo and Irfan Pramono	Agrotechnology Department, Agriculture Faculty, Sebelas Maret University, Surakarta
		2	ABE-023	Dwelling Process on Rusunami Judging from Changes in Unit Rusunami Benhil II (Open-Building Type)	Joni Hardi and Andjar Widayanti	Department of Architecture, Mercu Buana University, Jakarta
		3	ABE-026	Religiosity of Chinese Moslem: Implementation Respect to Ancestors in Dwelling	Siwi Samsu and Paramita Atmodiwirjo	Architecture Department, Faculty of Engineering, Tarumanegara University, Jakarta
		4	ABE-027	Redefine Architecture as Social Innovation for Empowering Community	Martin Katoppo, Sugeng Triyadi and M. Jehansyah Siregar	Interior Design Department, School of Design, Universitas Pelita Harapan (UPH), Tangerang
		5	ABE-005	(Bhagi) Traditional House Design and Construction Adapted toward Earthquakes	Iwan Muraman Ibnu	Architecture Engineering Department, Sriwijaya University, Palembang
		6	ABE-011	Effect of Socioeconomic Status and Institution of the Environmental Concern Level	Zuber Angkasa Wazir	Department of Architecture, Muhammadiyah University, Palembang
		7	ABE-021	Application of Embodied Energy Calculation for Low Cost Housing in Indonesia	Yuni Sri Wahyuni, Dewi Larasati and Siswanti Zuraida	School of Architecture, Planning and Policy Development, Institut Teknologi Bandung, Bandung
		8	CVE-044	Structural Behaviour of Steel Building with Diagonal and Chevron Braced CBF (Concentrically Braced Frames) by Pushover Analysis	Saloma Hasyim, Yakni Idris, Hanafiah Hanafiah and Nico Octavianus	Civil Engineering Department, Sriwijaya University, Palembang
		9	CVE-072	Performance Evaluation of Concrete Made with Sands from Selected Locations in Osun State, Nigeria	Kolawole Olonade, Ibrahim Ajibola and Lawrence Okeke	Department of Civil Engineering, Obafemi Awolowo University, Ile-Ife, Nigeria
		10	CVE-046	Regression Models for Compressive Strength of Concrete Under Different Curing Conditions	Kolawole Olonade, Heni Fitriani and Olutobi Kola	Department of Civil Engineering, Obafemi Awolowo University, Ile-Ife, Nigeria
		11	CVE-038	Analysis Characteristic of Corruption in Construction Project in Indonesia	Felix Hidayat and Sherly Mulyanto	Civil Engineering Department, Faculty of Engineering, Parahyangan Catholic University, Bandung

## SYMPOSIUM B - ROOM 2A - TANJUNG KELAYANG 2 (2nd FLOOR)

### SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CHEMICAL PROCESS, BIOTECHNOLOGY AND ENERGY ENGINEERING

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
10.30-13.30	SESSION 1A (INVITED TALKS)	1	CPB-045	The Clathrate Hydrate Process for Desalination	Ponnivalavan Babu , Praveen Linga	Department of Chemical and Biomolecular Engineering, National University of Singapore, Singapore
		2	CPB-050	CeO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> xerogel as an oxygen storage support in Ni catalysts with enhanced reducibility	Kronghthong Kamonsuangkasem, Supaporn Therdtianwong and Yingyot Poo-Arporn	King Mongkut's University of Technology Thonburi, Thailand
		3	CPB-024	Photocatalytic Degradation of Cinnamic Acid under Visible-light Irradiation on Electrospun Bi <sub>2</sub> O <sub>3</sub> Nanofibers	Doan Van Hong Thien, Nguyen Minh Tri, Huynh Vu Phong	Department of Chemical Engineering, Can Tho University, Can Tho City, Vietnam.
		4	ERG-023	Effect of Temperature on the Production of Methane from Methane Hydrates Formed in Excess Water Environment	Chong Zheng Rong, Praveen Linga	Department of Chemical and Biomolecular Engineering, National University of Singapore, Singapore
		5	CPB-043	Microwave-Assisted Extraction of Phenolics from Pineapple (Ananas comosus) Peels for Green Zero-Valent Iron Production	Capili Capili, Marc Joseph, Lombos Lombos, Owen Owen, Oblepias Oblepias, Carmelle Carmelle, Uy Uy, Marylou Marylou and Cynthia F. Madrazo	Department of Chemical Engineering, Gokongwei College of Engineering, De La Salle University, Manila, Philippines
		6	CPB-016	The Effect of Pretreatment using Sodium Hydroxide and Acetic Acid to Biogas Production from Rice Straw Waste	Budiyono, Aryantoko Wicaksono, Arif Rahmawan, Hashfi Hawali Abdul Matin and Tutuk Djoko Kusworo	Department of Chemical Engineering, Diponegoro University, Semarang
	SESSION 1B (PARALEL)	7	CPB-018	Experimental Determination of Monoethanolamine Protonation Constant and Its Temperature Dependency	Sholeh Mamun, Kamariah, Desi Kurniawan, Eleonora Amelia, Vitro Rahmat and Deasy Alwani	Chemical Engineering Department, Faculty of Industrial Technology, Islamic University of Indonesia, Yogyakarta
		8	ERG-001	Production of Biofuel by HDO of Vegetable Oil using CoMo/γAl <sub>2</sub> O <sub>3</sub> Catalyst	I. G. B. N. Makertihartha, Daniel Lie, Aditya Rio Anggara, Melia Laniwati Gunawan and Subagjo	Department of Chemical Engineering, Faculty of Industrial Technology, Institut Teknologi Bandung, Bandung
		9	ERG-011	The Effect of Enzymatic Pretreatment and C/N Ratio to Biogas Production from Rice Husk Waste during Solid State Anaerobic Digestion (SS-AD)	Syafrudin, Winardi Dwi Nugraha, Hashfi Hawali Abdul Matin and Budiyono Budiyono	Department of Chemical Engineering, Diponegoro University, Semarang
		10	CPB-011	Utilization of Empty Fruit Bunch Fiber from the Palm Oil Industry for Bio-hydrogen Production	Eka Sari and Mohammad Effendy	Chemical Engineering Department, Engineering Faculty, Sultan Ageng Tirtayasa University, Banten

## SYMPOSIUM B - ROOM 2A- TANJUNG KELAYANG 2 (2nd FLOOR)

### SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CHEMICAL PROCESS, BIOTECHNOLOGY AND ENERGY ENGINEERING

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
13.30-15.30 <b>SESSION 2 (PARALEL)</b>	1	CPB-003	Hydrogenation of Citronella Oil Derivatives to 3,7-Dimethyl-1-Octanol as Potential Bio-Based Additives Over Modified Natural Zeolite Catalysts	Silvester Tursiloadi, Ralentri Pertiwi, Litiarz Achmad Akbar and Adilina Indri Badria	Research Centre for Chemistry, Indonesian Institute of Sciences, Tangerang
	2	CPB-004	Facile Strategy for Surface Functionalization of Corn cob to Biocarbon and Its Catalytic Performance on Banana Peel Hydrolysis	Iryanti Nata, Meilana Putra, Desi Nurandini, Novia Rahmawati and Rona Rona	Chemical Engineering Study Program, Faculty of Engineering, University of Lambung Mangkurat, South Kalimantan
	3	CPB-019	Lactic Acid Production from Date Juice Using Lactobacillus	Mujtahid Kaavessina, Fitriani Khanifatun and Saeed M Alzahrani	Chemical Engineering Department, Sebelas Maret University, Surakarta
	4	CPB-009	Biocomposite Materials of Eleocharis dulcis Fibers with Iron (III) Nanoparticles and Its Potential for Sasirangan Textile Wastewater Treatment	Chairul Irawan, Iryanti F Nata, Meilana D Putra, Muthia Elma and Khairul F Hanisa	Chemical Engineering Study Program, Faculty of Engineering, University of Lambung Mangkurat, Banjarbaru, South Kalimantan
	5	ERG-006	Combination of Dragon Fruit, Hibiscus and Bitterleaf as Dye Sensitizer to Increase Efficiency of DSSC	Asful Hariyadi, Muhammad Aby Swasono and Anniza Cornelia Augusty	Chemical Engineering Department, Faculty of Industrial Technology and Process, Kalimantan Institute of Technology, Balikpapan
	6	ERG 009	Effect of Initial Tangential Intensity to The Fluid Dynamic Characteristics in a Tangential Burner	Pasymi, Yogi Wibisono Budhi and Yazid Bindar	Department of Chemical Engineering, Faculty of Industrial Technology, Institut Teknologi Bandung, Bandung
	7	ERG-003	Performance Evaluation of a Pressurized Cooking Stove Using Vegetable Cooking Oils as Fuel	Suhartono Suhartono, Tiara Ariani Putri and Lutfi Fauziah	Chemical Engineering Department, Universitas Jenderal Achmad Yani, West Java
	8	ERG-022	Utilization Biomass and Coal Mixture to Produce Alternative Solid Fuel for Reducing the Green House Gas Emission	Muhammad Faizal	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
	9	ENV-009	Oil Recovery of Soil Contained Petroleum Oil By Using Bio surfactant of Mixed Cultures Bacteria (Brevundomonas diminuta, Pseudomonas fluorescens, Pseudomonas aeroginosa, Pseudomonas citronelis) at vary pH Conditions (5-9)	Bambang Yudono, Fatma Fatma, Sri Pertiwi Estuningsih and Lilis Suganda	Department of Chemistry, Faculty of Mathematics, University of Sriwijaya, Palembang
	10	ENV-004	Analysis on Water Footprint for Palm Oil Production: A Case of PTP Mitra Ogan Baturaja, South Sumatra	Herda Sabriyah Dara Kospa, Kris R.D. Lulofs and Chay Asdak	Master of Environmental & Energy Management, University of Twente, Enschede, Netherland

**SYMPOSIUM B - ROOM 2A- TANJUNG KELAYANG 2 (2 nd FLOOR)**

**SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CHEMICAL PROCESS, BIOTECHNOLOGY AND ENERGY ENGINEERING**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
15.45-17.45	SESSION 3 (PARALEL)	1	CPB-006	Removal of Cyanide and Chemical Oxygen Demand from Tapioca Starch Wastewater with Ozonation and Adsorption	Eva Karamah and Medea Suryana	Chemical Engineering Department, Faculty of Engineering, University of Indonesia, Depok
		2	CPB-010	Synthesis of Grafted Flocculants Based on Several Kinds of Starch and Its Performance in Water Turbidity Removal	Mujtahid Kaavessina, Sperisa Distantina and Fadilah Fadilah	Chemical Engineering Department, Sebelas Maret University, Surakarta
		3	CPB-007	The Effect of Tripolyphosphate Concentration towards Chitosan-Alginate Microparticle Characterization and Dissolution process in Acidic Medium	Meri Yulvianti, Jayanudin, Ajeng Risalina and Rochmadi	Chemical Engineering Faculty of Engineering Universitas Sultan Ageng Tirtayasa, Banten
		4	ENV-032	Hospital Wastewater: Prediction of Contaminant Characteristics and The Possibility of Hybrid Membrane Process	Ian Kurniawan, Subriyer Nasir, Hermansyah - and Mardiyanto	Environmental Sciences, Faculty of Engineering, Sriwijaya University, Palembang
		5	CPB-026	Brine Shrimp Lethality Test of teh water extract of Averrhoa Carambola L. Leaves	Dewi Tristantini and Aulia Rahmi	Department of Chemical Engineering, Universitas Indonesia, Depok, Indonesia
		6	CPB-034	Anaerobic Digestion of Cheese Whey for Biogas Production: Review	Wara D.P Rengga, Riska Y. Siregar and Diyah S. Wati	Chemical Engineering Departmet, Faculty of Engineering, Universitas Negeri Semarang, Semarang
		7	ERG-018	Bulk Production of Briquettes as an Alternative Fuel by Utilizing Coconut Shell and Peanut Shell	Yusraida Khairani Dalimunthe, Sugiatmo Kasmungin and Cahaya Rosyidan	Petroleum Engineering Department, Faculty of Technology Earth and Energy, Trisakti University, Jakarta
		8	ERG-019	Oil Price Affection on Human Resources and Alternative Fuels as the Renewable Energy in Indonesia	Prayang Sunny Yulia, Sugiatmo Kasmungin and Bayu Satiyawira	Petroleum Engineering Department, Faculty of Earth Technology and Energy, Trisakti University, Jakarta
		9	ERG-024	Biogas Purification under Different Sheet Nylon Mesh and Flow Rate	Abdullah Saleh, Elisa Yulistia and Fitri Rowiyah	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang



## SYMPOSIUM B - ROOM 2B - TANJUNG KELAYANG 2 (2nd FLOOR)

### SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CHEMICAL PROCESS, BIOTECHNOLOGY AND ENERGY ENGINEERING

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION
13.30-15.30  <b>SESSION 2 (PARALEL)</b>	1	Enhanced Biogas (CO <sub>2</sub> /CH <sub>4</sub> ) Separation Properties of Asymmetric Mixed Matrix Membrane By Incorporating Nano-Silica Particles Into Polyethersulfone	Tutuk Djoko Kusworo, Budiyo Budiyo and Qudratun Qudratun	Chemical Engineering Dept, Faculty of Engineering, Diponegoro University, Semarang
	2	Increasing Biogas Production from Sugar Cane Baggase by Anaerobic Co-Digestion with Animal Manure	Siswo Sumardiono, Aldi Budi Riyanta, Tutuk Djoko Kusworo, Budiyo Budiyo and Bakti Jos	Department of Chemical Engineering, Diponegoro University, Semarang
	3	The Effect of Polymer Concentration And Evaporation Time on the Performance of Asymmetric Cellulose Acetate Membrane for Brackish Water Treatment from Demak	Tutuk Djoko Kusworo and Budiyo	Department of Chemical Engineering, Diponegoro University, Semarang
	4	Laboratory and Pilot Plant Scale Study on Water Dechlorination by Medium Pressure Ultraviolet (UV) Radiation	Maryani Paramita Astuti, Rongjing Xie and Nicky Satyadharma Aziz	Environmental Engineering Department, Faculty of Engineering, President University, Cikaarang
	5	Low Temperature Catalytic-Transfer Hydrogenation of Candle Nut Oil	Fitri Hadiyah, Tatang Hernas Soerawidjaja, - Subagjo and Tirto Prakoso	Chemical Engineering Department, Sriwijaya University, Palembang
	6	Finding an Optimum Period of Oxidative Heat Treatment on SS 316 Catalyst for Nanocarbon Production from LDPE Plastic Waste	Praswasti P.D.K. Wulan and Satrio B. Wijardono	Chemical Engineering Department, Faculty of Engineering, University of Indonesia, Depok
	7	The Effect of Fire Retardant Composition on Burning Path and Determination of Thermal Resistance of Sawdust for Building	Muhammad Said and Muhammad Faizal	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
	8	The Current Density of Hydroxyapatite Electrosynthesis by Ion Exchange Resin Chambers	Adrian Nur, Nazriati Nazriati, Arif Jumari, Ega Fitri Novita Santi and Shafira Yaumul Asiffa	Chemical Engineering Department, Faculty of Engineering, Sebelas Maret University, Surakarta
	9	The Characteristic of Unsaturated Polyester Resin Wettability Toward Glass Fiber Orientation, Density and Surface Treatment	Asep Handaya Saputra and Dena Prestia Hallatu	Chemical Engineering Department, University of Indonesia, Depok
	10	Acrylic Acid Neutralization for Enhancing the Production of Grafted Chitosan Superabsorbent Hydrogel	Dhena Ria Barleany, Retno Sulisty Dhamar Lestari, Meri Yulvianti, Taufik Rachman Susanto, Shalina and Erizal	Chemical Engineering Department, Faculty of Engineering, University of Sultan Ageng Tirtayasa, Banten

**SYMPOSIUM B - ROOM 2B - TANJUNG KELAYANG 2 (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL SYMPOSIUM ON CHEMICAL PROCESS, BIOTECHNOLOGY AND ENERGY ENGINEERING**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
15.45-17.45	SESSION 3 (PARALEL)	1	ERG-002	Investigation on Performance of Wickless-Heat Pipe as Passive Cooling System in Nuclear Spent Fuel Pool	Nandy Putra, M. Hadi Kusuma, Anhar Riza Antariksawan, Raldi Artono Koestoer, Sri Ismarwanti, Brilian Tegar Verlambang and Surip Widodo	Applied Heat Transfer Research Group Department of Mechanical Engineering, Faculty of Engineering, Universitas Indonesia, Depok
		2	ERG-004	Experimental Study of Heat Pipe Heat Exchanger in Hospital HVAC System for Energy Conservation	Nandy Putra, Trisno Anggoro and Adi Winarta	Heat Transfer Laboratory, Department of Mechanical Engineering, University of Indonesia, Depok
		3	ERG-005	Simulation of Wickless-Heat Pipe as Passive Cooling System in Nuclear Spent Fuel Pool Using RELAP5/MOD3.2	M Hadi Kusuma, Nandy Putra, Sri Ismarwanti and Surip Widodo	Heat Transfer Laboratory, Department of Mechanical Engineering, Universitas Indonesia, Depok
		4	ERG-012	Effect Degree of temperature Subcooling to Performance Refrigeration Systems with CFC, HFC and Hydrocarbons Refrigerant	Prayudi Suparmin, Vendy Antono and Roswati Nurhasanah	Mechanical Engineering College of Engineering Technology PLN, Jakarta
		5	ERG-013	New Method of Thermal Cycling Stability Test of Phase Change Material	Nandy Putra, Muhammad Amin, Rizky Achmad Luanto, Engkos A. Kosasih and Nasruddin A. Abdullah	Applied Heat Transfer Research Group Department of Mechanical Engineering, Faculty of Engineering, Universitas Indonesia, Depok
		6	ERG-014	Challenges and Opportunities of Microbial Fuel Cells (MFCs) Technology Development in Indonesia	Bimastyaji Ramadan and Purwono Purwono	Environmental Engineering Department, Faculty of Civil and Environmental Engineering, Bandung Institute of Technology, Bandung
		7	ERG-015	The Simple Fabrication of Nanorods Mass Production for The Dye-Sensitized Solar Cell	Dharmanto, Hendi Saryanto and Darwin Sebayang	Mechanical Engineering Department, Faculty of Engineering, Polytechnic of Gajah Tunggal, Tangerang
		8	ERG-021	Fuel Mixer Low Grade Bioethanol Fuelled Motorcycle on Fuel Consumption and Emission	Setia Abikusna, Bambang Sugiarto and Azami Zulfan	Politeknik Manufaktur Astra, Jakarta
		9	CPB-042	Partial Oxidation of Methane to Methanol Over Catalyst ZSM-5 from Coal Fly Ash and Rice Husk Ash	Fusia Mirda Yanti, S. D. Sumbogo Murti, Yuni K. Krisnandi and Adiarso Adiarso	Agency for Assessment and Application of Technology, Jakarta
		10	CPB-020	POME Conversion to Methyl Ester in Coil Tube Reactor with Microwave Assisted	Susila Arita, Rosdiana Moeksin, Dewi Leily Gunawan and Octavianes Chandra	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang

**SICEST POSTER HALL 2 - TANJUNG KELAYANG 2 (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL CONFERENCE ON ENGINEERING, SCIENCE & TECHNOLOGY**

**POSTER ROOM 2/ SESSION 1**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
09:00-12:30	SESSION 1 LINE 1	1	GMN-004	The Assessment of Risk of Groundwater Vulnerability due to Abstraction Case Study: Salatiga Groundwater Basin/Indonesia	Thomas Triadi Putranto, Tri Winarno and Axel Prima Agita Susanta	Geological Engineering Department, Faculty of Engineering, Diponegoro University, Semarang
		2	GMN-005	The Spatial Analysis of Potential Acid Mine Drainage in a Coal Mine	Rr. Harminuke Eko Handayani, Eddy Ibrahim, Moh. Rasyid Ridho, Ngudiantoro Ngudiantoro and Muhammad Yazid	Department of Mining Engineering, Sriwijaya University, Palembang
		3	GMN-007	Collaboration of High Activity Soil and Geological Structure Factors in Pagelaran Soil Creep Occurrence, Indonesia	Ahmad Fuad Salam, Asriza Asriza, Twin Hosea Widodo Kristyanto, Reza Syahputra, Albert Tempessy Septario and Tito Latif Indra	Geophysics Study Program, FMIPA, Universitas Indonesia, Jakarta
		4	GMN-011	Blasting Design without Subdrilling on Jointed Limestone to Optimize Fragmentation	M. Taufik Toha, Bochori Bochori and Waluyo Waluyo	Department of Mining Engineering, Sriwijaya University, Palembang,
		5	GMN-016	Iron Ore Deposits Model Using Geoelectrical Resistivity Method with Dipole-dipole Array	Adree Octova and Dedi Yulhendra	Mining Engineering Department, Faculty of Engineering, State University of Padang, Padang
		6	GMN-022	Study of Temperature and Concentration Effect to Critical Micelles Concentration (CMC) on Surfactant Injection	Puri Wijayanti, Sugiato Kasmungin and Widia Yanti	Petroleum Engineering Department, Faculty of Technology Earth and Energy, Trisakti University, Jakarta
		7	GMN-021	Study Characteristic Rock Mechanic at Roof and Rib in BMK 32 Hole Underground Coal Mine Bara Mitra Kencana Company, Sawahlunto	Refky Adi Nata, Syamsul Komar, Endang Wiwik DH	Mining Engineering Department, STTIND, Padang
		8	GMN-025	Analysis on Reverse Fault Structure of Kendeng Zone in Nampu Area, Boyolali Regency, Central Java	Hafidz Reyzananda, Jatmiko Setiawan and Mahap Maha	Universitas Pembangunan Nasional "Veteran" Yogyakarta, Yogyakarta
		9	GMN-026	Identification of the Tegalombo Ancient Volcano Based on Geomorphology, Structural Geology and Volcanostratigraphy: An Application Towards the Primary Minerals Exploration in Pacitan East Java	Fredy, Joko Soesilo, Ade Febrina, Aulia Kurnia Hadi and Satrio Esti Hapsoro	Universitas Pembangunan Nasional "Veteran" Yogyakarta, Yogyakarta
		10	GMN-028	Performance Comparison between Polyamine and KCl in Swelling Clay and Rheology Parameters	Vaya Putra, Sugiato Kasmungin and Astra Pramana	Magister Petroleum Engineering Department, Trisakti University, Jakarta
		11	GMN-033	Mineral Analysis on Sediment Load Test of the Tanjung Bungacoastal Area Makassar Municipality	Hamid Umar, D. A. Suriamihardja, Lawalenna Samang and Ulva Ria Irfan	Study Program of Geology and Environment, Hasanuddin University, Makassar
		12	GMN-034	Petrophysical Analysis and Reserve Estimation "Kaprasida" Field Baturaja Formation South Sumatera Basin	Muhammad Iqbal Maulana, Yosar Fatahillah and Widya Utama	Geophysical Engineering Department, Faculty of Civil Engineering and Planning, Institut Teknologi Sepuluh Nopember, Surabaya,

**SICEST POSTER HALL 2 - TANJUNG KELAYANG 2 (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL CONFERENCE ON ENGINEERING, SCIENCE & TECHNOLOGY**

**POSTER ROOM 2/ SESSION 1**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
09.00-12.30	SESSION 1 LINE 2	1	GMN-035	Redesign Mining Sequence on Basin Type Coal Deposit to Optimize Stripping of Overburden Cost	M. Taufik Toha	Mining engineering Department, University of Sriwijaya, Palembang
		2	GMN-008	Environmental Value Losses as Impacts of Natural Resources Utilization of in Coal Open Mining	Restu Juniah, Rinaldy Dalimi, Mathius Suparmoko, Setyo S Moersidik and Harry Waristian	Mining engineering Department, University of Sriwijaya, Palembang
		3	ENV-011	Detection of Changes In Mangrove Area at the East Coast of South Sumatra	Yuanita Windusari and Margaretha Sri Lestari	Department of Biology, Faculty of Mathematics and Natural Sciences, Sriwijaya University, Palembang
		4	ENV-010	Combination of CaCO <sub>3</sub> and Ca(OH) <sub>2</sub> as Agents for Treatment Acid Mine Drainage	Poedji Loekitowati Hariani, Salni Salni and Fahma Riyanti	Department of Chemistry, Faculty of Mathematics and Natural Sciences, Sriwijaya University, Palembang
		5	ENV-020	Options for Land Conservation Practices based on Land Uses and Land Degradation Degree in Upland Luas Watershed Bengkulu Indonesia	Muhammad Faiz Barchia, Khairul Amri and Friski Namura	Soil Science Department, Faculty of Argiculture, University of Bengkulu
		6	ENV-022	Surface-Flow Wetland for Water Reclamation at Batamindo Industrial Park	Chris Salim, Andita Rachmania and Rahma Dewi	Environmental Engineering Department, Faculty of Clean Energy and Climate Change, Surya University, Tangerang
		7	ENV-023	Treatment of Spent Sulfuric Acid using Bentonite Adsorbent	Marwan Asof, Susila Arita, Winny Andalia and Cindi Ramayanti	Mining Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
		8	ENV-024	The Impact of Tin Mining in Bangka Belitung and Its Reclamation Studies	Eddy Nurtjahya, Jennifer Franklin, Umroh and Fournita Agustina	Biology Department, Faculty of Agriculture, Fisheries and Biology, University of Bangka Belitung, Merawang
		9	ENV-033	Study of Characteristics Habitat of Swamp Buffalo (Bubalus Bubalis) From Pampangan South Sumatra	Yuanita Windusari, Laila Hanum and Rahmat Pratama	Department of Biology, Faculty of Mathematics and Natural Sciences, Universitas Sriwijaya, Palembang, Indonesia
		10	ENV-037	Modification of Southern Bandung Waste Transportation Using Vehicle Routing Problem (VRP) – Nearest Neighbor Model	Anni Rochaeni and Wahyu Katon	Environmental Engineering Department, Faculty of Engineering, Pasundan University, Bandung
		11	ENV-036	The Influence of Sedimentation of The Musi River to The Aquatic Environment	Achmad Syarifudin	Cvil Engineering Department, Bina Dharma University, Palembang

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### SRIWIJAYA INTERNATIONAL CONFERENCE ON ENGINEERING, SCIENCE & TECHNOLOGY

#### POSTER ROOM 2/ SESSION 1

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
09.00-12.30 <b>SESSION 1 LINE 3</b>	1	MCI-001	Tool Wear When Finish Turning Inconel 718 Under Dry Conditions	Gusri Akhyar Ibrahim, Arinal Hamni and Jamiatul Akmal	Mechanical Engineering Department, University of Lampung
	2	MCI-004	Natural drying and laboratory of scaled oven the determining characteristics of South Sumatera low rank coa	Irwin Bizzy, Riman Sipahutar, Eddy Ibrahim and Muhammad Faizal	Mechanical Engineering Department, Faculty of Engineering, Sriwijaya University
	3	MCI-006	Bio-coal Briquettes made from South Sumatra Low Rank Coal and Palm Shell Charcoal for Using in Small Industries	Riman Sipahutar, Irwin Bizzy, Muhammad Faizal and Olistiyo Maussa	Mechanical Engineering Department, Faculty of Engineering, Sriwijaya University
	4	MCI-010	Visualization and Pressure Distribution of Gas-Liquid Flow in ¾ inch Plexyglass Pipe Diameter with the Slope Orientation Upward, Horizontal and Downward	Dewi Puspitasari, Marwani Marwani and Ichsan Ramdani	Mechanical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
	5	MCI-014	A Probability approach in Cans Identification	Yulia Resti, Amrifan S.Mohrni, Firmansyah Burlian, Irsyadi Yani and Ali Amran	Mechanical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
	6	CIS-009	Online Water Quality Monitoring Based On Wireless Sensor Network An Application for Shrimp Aquaculture in Bangka Island	Yudi Yuliyus Maulana, Goib Wiranto, Dayat Kurniawan, Iqbal Syamsu and Dadin Mahmudin	Research Center for Electronics and Telecommunication, Indonesian Institute of Sciences (LIPI), Bandung
	7	CIS-012	An Empirical Investigation on Customer Behavior to Adopt Mobile Commerce among the Y Generation in Indonesia	Johan Reimon Batmetan, Jaime Da Costa Lobo Soares and Suyoto	Computer Science/Information Engineering Department, Faculty of Engineering, University of Atma Jaya Yogyakarta
	8	CIS-013	CBR Measurement Model Implementation for Determining the Course	Harrizki Arie Pradana and Agus Dendi Rachmatsyah	Informatics Engineering, STMIK Atma Luhur Pangkalpinang, Bangka Belitung
	9	CIS-015	Traffic Engineering Simulation using RSVP-TE Protocol on 3rd Layer Multiplatform MPLS VPN	Nanang Ismail, Muhamad Ar Ghifary, Eki Ahmad Zaki H and Dimas Widayasastrena	Electrical Engineering Department, Faculty of Science and Technology, UIN Sunan Gunung Djati
	10	CIS-016	The Implementation of Diversion Traffic Using Open Flow	Eki Ahmad Zaki Hamidi, Nanang Ismail and Mufid Ridlo Effendi	Electrical Engineering Department, Faculty of Sains and Technology, UIN Sunan Gunung Djati Bandung

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**SRIWIJAYA INTERNATIONAL CONFERENCE ON ENGINEERING, SCIENCE & TECHNOLOGY**

**POSTER ROOM 2/ SESSION 2**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
13.00-17.00	SESSION 2 LINE 1	1	CPB-028	Laboratory Study of Optimization Surfactant	Rini Setiati, Sugiarto Kasmungin, Septorato Siregar, Taufan Marhendrajana and Deana Wahyuningrum	Petroleum Engineering , Trisakti University, Jakarta
		2	CPB-029	Synthesis of Epoxy Compound from Corn Oil as Intermediate for Biolubricant	Muhammad Riska, Muhammad Said, Anindya Fatmadini and Muhammad Faizal	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
		3	CPB-030	Study of Composition in the Process of Making Briquette Charcoal Rice Husk	Rahmi Meilina Sari, Erwin Sitorus and Anizar	Industrial Engineering Department, Faculty of Engineering, University of Sumatera Utara, Medan
		4	CPB-032	Effect of Ruthenium Loading on Carbon Monoxide Hydrogenation	Mardwita M, Selpiana S, Elfidiah E, Ani Melani and Netty Herawati	Chemical Engineering Department, Faculty of Engineering, Muhammadiyah University of Palembang
		5	CPB-033	Influence of hydrolysis temperature and NaOH's Concentration to make oxalic acid from water hyacinth	Pamilia Coniwanti, Rizka Rachmiyanti and Putri Yuliani	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
		6	CPB-035	High Equivalent of Theoretical Plate from Reactive Distillation Unit by Purification of Ethanol on Different Concentration	Agus Aktawan and Zahrul Mufrodi	Chemical Engineering Department, Faculty of Industrial Engineering, Universitas Ahmad Dahlan, Yogyakarta
		7	CPB-040	Differences in Characteristic of Fermented Inulin Biomass, Concentrate and Particles Powder by <i>Lactobacillus acidophilus</i> with and without Microfiltration as Source of Dietary Fiber for Anti Cholesterol	Aspiyanto, Agustine Susilowati and Hakiki Melanie	Research Centre for Chemistry, Indonesian Institute of Sciences, Tangerang
		8	CPB-039	Adsorption Kinetics and Equilibrium Studies of Chromium (IV) Metal Ions on the Salacca Peel Based Activated Carbons	Arenst Andreas Arie, Selvy Utama and Hans Kristianto	Chemical Engineering Department, Faculty of Industrial Technology, Parahyangan Catholic University, Bandung
		9	CPB-048	Kinetics and Mechanisms of Methane Oxidation on Supported Binary Platinum-Chromium Catalyst	Mardwita, Hideki Matsune, Sakae Takenaka and Masahiro Kishida	Chemical Engineering Department, Faculty of Engineering, Kyushu University, Fukuoka, Japan
		10	ERG-020	Investigation on Visualization of Loop Heat Pipe	Nandy Putra, Cahya Tri Anggara and Nasruddin A. Abdullah	Applied Heat Transfer Research Group Department of Mechanical Engineering, Faculty of Engineering, Universitas Indonesia, Depok
		11	ENV-041	Degradation of winery wastewater using UV light, O <sub>3</sub> , and UV/O <sub>3</sub>	Tuty Emilia Agustina, Ha Ming Ang, and Vishnu Pareek	Department of Chemical Engineering, Curtin University of Technology, 6102, Western Australia
		12	ENV-003	Treatment of Rubber Industry Wastewater by Using Fenton Reagent and Activated Carbon	Tuty Emilia Agustina, Elon J Sirait and Herman Silalahi	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang

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**SRIWIJAYA INTERNATIONAL CONFERENCE ON ENGINEERING, SCIENCE & TECHNOLOGY**

**POSTER ROOM 2/ SESSION 2**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
13.00-17.00	SESSION 2 LINE 2	1	ENV-008	Remediation of Leachate by Composite NZVI-Activated Carbon in Packed Column	Eka Sri Yusmartini	Chemical Engineering Department, Muhammadiyah University, Palembang
		2	ENV-014	Acid Mine Drainage Treatment Using Activated Carbon Ceramic Adsorbent in Adsorption Column	Tine Aprianti, Bazlina Dawami Afrah and Tuty Emilia Agustina	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
		3	ENV-015	Treatment of Leachate by Electrocoagulation Using Aluminum Electrodes	Rusdianasari, Ahmad Taqwa, Jaksen and Adi Syakdani	Chemical Engineering, State Polytechnic of Sriwijaya, Palembang
		4	ENV-025	Treatment of Wastewater Containing Chromium Hexavalent Heavy Metal Using Zeolite Ceramic Adsorbent	Tuty Emilia Agustina, Tine Aprianti and Siti Miskah	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
		5	MTR-011	Hardness Improvement on Low Carbon Steel using Pack Carbonitriding Method with Holding Time Variation	Poppy Puspitasari, Andoko Andoko, Heru Suryanto, Puput Risdanareni and Sandy Yuda	Mechanical Engineering Department, Faculty of Engineering, Universitas Negeri Malang
		6	MCI-020	Toughness Differences And Type of Fracture of Duralium In Artificial Aging Process Against Cooling Media Variation	Poppy Puspitasari	Mechanical Engineering Department, Engineering Faculty, Universitas Negeri Malang, Malang
		7	MCI-022	Criteria for Supplier Selection of Raw Material in The Supply Chain of Palm Oil	Meilita Tryana Sembiring and Dini Wahyuni	Industrial Engineering Department, Faculty of Engineering, University of Sumatera Utara, Medan
		8	MCI-023	Mapping For Suppliers of Fast Moving Product to Support Logistics Activities (Case Study In Hospital)	Tuti Sarma Sinaga and Khawarita Siregar	Industrial Engineering Department, Faculty of Engineering, University of Sumatera Utara, Medan
		9	MCI-025	Application Study of Taguchi Methods in optimization of process paremeters for Rubber Industry	Khalida Syahputri and Indah Rizkya Tarigan	Industrial Engineering Department, Faculty of Engineering, University of Sumatera Utara, Medan
		10	MCI-026	Quality Control of Operators'Fatigue Vision in Beverage Industry	Anizar Arsyad and Erwin Sitorus	Industrial Engineering Department, Faculty of Engineering, University of Sumatera Utara, Medan
		11	MCI-024	Experimental Study on Performance of Battery Thermal Management System Using L-Shaped Flat Heat Pipes	Nandy Putra, Bambang Ariantara and Herka Manda Putra	Applied Heat Transfer Research Group Department of Mechanical Engineering, Faculty of Engineering, Universitas Indonesia, Depok
		12	CPB-012	Characterization on Concentrates and powders of fermented Broccoli (Brassica oleracea L.) and spinach (Amaranthus sp.) Produced through Microfiltration Membrane as Folic Acid Source for Smart Food Formula	Agustine Susilowati, Aspiyanto and Hakiki Melanie	Research Centre for Chemistry, Indonesian Institute of Sciences, Tangerang

**SICEST POSTER HALL 2 - TANJUNG KELAYANG 2 (2nd FLOOR)**

**SRIWIJAYA INTERNATIONAL CONFERENCE ON ENGINEERING, SCIENCE & TECHNOLOGY**

**POSTER ROOM 2/ SESSION 2**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
13.00-17.00	SESSION 2 LINE 3	1	CPB-005	Preparation of Molecularly Imprinted Polymers Simazine as Material Potentiometric Sensor	Yohandri Bow, Edy Sutriyono, Subriyer Nasir and Iskhaq Iskandar	Chemical Engineering, State Polytechnic of Sriwijaya, Palembang
		2	CPB-014	Ammonium Hydroxide Addition and Its Influence on the Catalytic Activities of Pt-based Catalysts for Methane Oxidation	Mardwita M and M. Djoni Bustan	Chemical Engineering Department, Faculty of Engineering, Muhammadiyah University of Palembang, Palembang
		3	CPB-021	Adsorption of Jumputan Liquid Waste by Betel Nuts Activated Carbon in a Continuous Fixed-Bed Adsorber	Lia Cundari, Aris Setiawan Kemit and Baharuddin Rasyid Usman	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
		4	CPB-022	Bioethanol Production from Sodium Hydroxide-Dilute Sulfuric Acid Pretreatment of Rice Husk via Simultaneous Saccharification and Fermentation	Novia, Vishnu Pareek and Tuty Emilia Agustina	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
		5	CPB-038	Study about Used Oil Refinement using Ceramic Membrane to Separate the Metal Elements	Muhammad Hatta Dahlan	Chemical Engineering, Sriwijaya University, Palembang
		6	CPB-036	Effect of Dispersant Loading on the Physical Properties of Porous Alumina/Hydroxyapatite Composites	Ahmad Fadli, Iis Sopyan and Febliil Huda	Department of Chemical Engineering, Faculty of Engineering, Riau University, Pekanbaru
		7	ERG-007	Product Competitiveness of Upgrading Brown Coal (UBC) Process in Indonesia	Bazlina Dawami Afrah, Boonrood Sajjakulnukit and Muhammad Djoni Bustan	Dept of Chemical Engineering Universitas Sriwijaya, King Mongkut's University of Technology Thonburi, Bangkok, Thailand
		8	ERG-008	Combustion of Producer Gas from Gasification of South Sumatera Lignite Coal Using CFD Simulation	Fajri Vidian, Novia and Andy Suryatra	Mechanical Engineering Department, Faculty of Engineering, Universitas Sriwijaya, Palembang
		9	ERG-010	Storage Tank Materials for Biodiesel Blends; The Analysis of Fuel Property Changes	Leily Nurul Komariah, Marwani Marwani, Sucia Aprisah and Yangia SI Rosa	Department of Chemical Engineering, Faculty of Engineering, Universitas Sriwijaya, Palembang
		10	ENV-021	Analysis on the Influence of Rainfall and Mine Water Ratio Against pH in East Pit 3 West Banko Coal Mine	Neny Rochyani, Ngudiantoro, Helmi Harris	Chemical Engineering Department, Faculty of Engineering, PGRI University, Palembang
		11	CPB-027	Laboratory Studies for the Improvement of Obtaining Oil Using AOS Surfactant Injection with Variation Oil Composition at Low Concentration	Sugiatmo Kasmungin, Kartika Fajarwati Hartono and Pauhesti Rusdi	Department of Petroleum Engineering, Faculty Technology of Earth and Energy, Trisakti University
		12	CPB-023	Integrated Adsorber Engineering on Waste Cooking Oil Purification.	Selpiana, Shafira Nabilla, Eka Pertiwi, Mardwita, Muhtaza Azizia Syafiq	Chemical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang



## SYMPOSIUM E - ROOM 3 - Wangka 2 (2nd FLOOR)

### SRIWIJAYA INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND COMPUTER ENGINEERING

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
10.30-12.30 <b>SESSION 1 (PARALEL)</b>	1	ECT-016	Plasma in Bio Medical: Opportunities and Challenges	Zolkafle Buntat	Institute of High Voltage and High Current, Faculty of Electrical Engineering, Universiti Teknologi Malaysia, Johor, Malaysia
	2	CIS-018	A Modified Fuzzy Similarity Measure Decision Making Approach to SLCM Selection	Sunny Joseph Kalayathankal and John T Abraham	Associate Professor, Department of Mathematics, K. E .College, Mannanam, Kottayam, India
	3	ECT-001	NO2 Gas Sensing Properties of Carbon Films Fabricated by Arc Discharge Methane Decomposition Technique	Elnaz Akbari and Zolkafle Buntat	Institute of High Voltage and High Current (IVAT), Faculty of Electrical Engineering, Universitas Teknologi Malaysia, Johor, Malaysia
	4	ECT-002	Avoiding the Failure to Generate Voltage in a Low-Speed Single-Phase Induction Generator	Hari Santoso, Rini-Nur Hasanah, I Nyoman Gde Wardana and Budiono Mismail	Electrical Engineering Department, Faculty of Engineering, Brawijaya University, Malang
	5	ECT-003	Improvement Palmprint Recognition with Scale Orientation Gabor in Kernel PCA Method	Muhammad Kusban, Adhi Susanto and Oyas Wahyunggoro	Electrical Engineering, Faculty of Engineering, Universitas Gadjah Mada, Yogyakarta
	6	ECT-004	The Effect Analysis of Stub on Coplanar Feed to Performances of Array Microstrip Patch Antenna for Mobile Satellite Communications	Muhammad Fauzan Edy Purnomo, Hadi Suyono, Rini Nurhasanah, Onny Setyawati, Panca Mudjirahardjo and Rahmadwati Rahmadwati	Electrical Engineering Department, Faculty of Engineering, Brawijaya University, Malang
	7	ECT-005	Implementation of Robot Operating System in Beaglebone Black based Mobile Robot for Obstacle Avoidance Application	Mohamad Zakaria and Chin Shing Joo	Advanced Mechatronic Research Group, Faculty of Electrical and Electronic Engineering, University Tunn Hussein Onn Malaysia, Malaysia
	8	ECT-006	An Effective Method of Regenerative Braking for Electric Vehicles	Rini-Nur Hasanah, Victor Andrean, Hadi Suyono and Soeprapto	Electrical Engineering Department, Faculty of Engineering, Brawijaya University, Malang
	9	ECT-007	Matrix Transformation from Pixel Coordinate to Real-World Coordinate for Vehicle Trajectory Tracking Using Mathematical Approach	Rina Mardiaty, Lyon Maryono, Edi Mulyana and Koredianto Usman	Department of Electrical Engineering, Faculty of Science and Technology, UIN SGD Bandung

## SYMPOSIUM E - ROOM 3 - Wangka 2 (2nd FLOOR)

### SRIWIJAYA INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND COMPUTER ENGINEERING

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
13.30-15.30	SESSION 2 (PARALEL)	1	CIS-001	Two-step Cluster based Random Undersampling for Imbalanced Class in Software Defect Prediction with Stacking Technique	Adi Wijaya and Romi Satria Wahono	School of Information Technology, STMIK Eresha, Jakarta
		2	CIS-002	Real Time Monitoring System for GSM based Prepaid Energy Meter with Smartphone	Heribertus Himawan, Catur Supriyanto and Adrin Thamrin	Faculty of Computer Science, University of Dian Nuswantoro, Semarang
		3	CIS-003	Mining Similar Pattern with Attribute Oriented Induction High level Emerging Pattern (AOI-HEP) data mining technique	Harco Leslie Hendric Spits Warnars, Nizirwan Anwar and Richard Randriatoamanana	Computer Science Department, Bina Nusantara University, Jakarta
		4	CIS-004	New Solutions for Instant Payment Problems in Indonesia	Bambang Robi'In, Leonardus Ari Wardana and Suyoto	Student at Magister Informatics Engineering, Universitas Atma Jaya Yogyakarta, Yogyakarta
		5	CIS-005A	Design multy dimensional	Tengku Siti Meriam Tengku Wook, Noraidah Sahari and Normala Rahim	Faculty of Information Science and Technology, Universiti Kebangsaan Malaysia, Malaysia
		6	CIS-005B	M-Bamboo: Mobile Application to Identify Apus Bamboo Trees Ready to Harvest for Indonesian Kids	Suyoto and Robet Habibi	Informatics Engineering Department, Post graduate, Universitas Atma Jaya Yogyakarta, Yogyakarta
		7	CIS-007	A Proposed Model to Collect Customer's Information from In-App-Purchases in Mobile Games	Pratyaksa Ocsa Nugraha Saian, Andy Januar Wicaksono and Suyoto	Masters of Informatics Engineering, Universitas Atma Jaya Yogyakarta, Yogyakarta
		8	CIS-008	The influence of Holistic Guidance Counseling on Student Achievement for Junior High School	Tri Prasetyaningrum and Suyoto	Informatics Engineering Department, Universitas Atma Jaya Yogyakarta, Yogyakarta
		9	CIS-010	Propose Intelligent Healthcare Personal Assistant Agent Model, Study Case in Indonesia	Michael Yosep Ricky, Spits Warnars Harco Leslie Hendric, Widodo Budiharto and Gerardus Pola	Computer Science Department, Bina Nusantara University, Jakarta
		10	CIS-011	Confidence of AOI-HEP Mining Pattern	Harco Leslie Hendric Spits Warnars, Agung Trisetyarso and Richard Randriatoamanana	Computer Science Department, Bina Nusantara University, Jakarta

## SYMPOSIUM E - ROOM 3 - Wangka 2 (2nd FLOOR)

### SRIWIJAYA INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND COMPUTER ENGINEERING

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
15.45-17.45 <b>SESSION 3 (PARALEL)</b>	1	ECT-009	Design of Electrical Energy Monitoring Device Based on Android Smartphone	AkhmadZainuri, UnggulWibawa and Rini-NurHasanah	Electrical Engineering Department, Faculty of Engineering, Brawijaya University, Malang
	2	ECT-010	Examining Packet Delay Distribution Model to Investigate Acceptable Delay of TCP-Based Speech Recognition	AsrilJarin, Suryadi and KalamullahRamli	Department of Electrical Engineering, Faculty of Engineering, Universitas Indonesia, Depok
	3	ECT-011	Optimisation of the Thyristor Controlled Phase Shifting Transformer by using PSO Algorithm	HadiSuyono, RiniNurHasanah and ParamitaDwiPutriPranyata	Department of Electrical Engineering, Faculty of Engineering, BrawijayaUniversity,Malang
	4	ECT-012	Alternative Grounding Method using Coconut Shell Charcoal as Media of Mesh Electrodes	Moch. Dhofir, RiniNurHasanah, HadiSuyono and Avrizal Riva Belan	Electrical Engineering Department, Faculty of Engineering, Brawijaya University, Malang
	5	ECT-015	Structural and optical properties of multiwalled carbon nanotubes modified by DBD Plasma at Atmospheric Pressure	NorainSahari, ZolkafleBuntat, ZulkifliAzman, ZainuddinNawawi, Muhammad Abu BakarSidik and Muhammad IrfanJambak	Institute of High Voltage and High Current, Faculty of Electrical Engineering, UniversitiTeknologi Malaysia, Johor, Malaysia
	6	ECT-014	Design and Application Automatic Valve and Water Tank Replenishment Using Ultrasonic and Infrared Sensors	LiaKamelia, NeniUtami A, Adam Faroqi and ArryCittaTunggara	Electrical Engineering Department, Faculty of Science and Engineering, UIN SunanGunungDjati, Bandung
	7	CIS-017	Implementation of Fuzzy Logic Control Algorithm in Mobile Robot Avoider by Using Omnidirectional Vision	Rossi Passarella and KemahyantoExaudi	Department of Computer Science, Faculty of Computer Science, Sriwijaya University, Palembang

**SYMPOSIUM C - ROOM 4 - Wangka 5 (1st FLOOR)**

**SRIWIJAYA INTERNATIONAL SYMPOSIUM ON MECHANICAL, INDUSTRIAL AND MATERIAL ENGINEERING**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION		
10.30-12.30	SESSION 1 (PARALEL)	1	MCI-018	Performance of Palm Oil as a Biobased Machining Lubricant when Drilling Inconel 718	Erween Abd Rahim and Hiroyuki Sasahara	Precision Machining Research Center (PREMACH), Faculty of Mechanical and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia
		2	MCI-017	Atomistic-Continuum Hybrid Analysis of Dislocation Behavior in Spinodally Decomposed Fe-Cr Alloys	Akiyuki Takahashi and Motoyasu Kanazawa	Department of Mechanical Engineering, Faculty of Science and Technology, Tokyo University of Science, Yamazaki, Noda-shi, Chiba, Japan
		3	MCI-009	Enhancement of Minimum Quantity Lubrication Technique by Nanofluids Application in Metal Cutting Operations: A Review	Safian Sharif, Ibrahim Ogu Sadiq, Noordin Mohd Yusof and Amrifan Saladin Mohruni	Faculty of Mechanical Engineering, Universiti Teknologi Malaysia, Johor Bahru, Malaysia.
		4	MCI-002	Properties of Metal Filled Epoxy for Injection Mould Inserts	Mohd Tanwyn Mohd Khushairi, Safian Sharif, Khairur Rijal Jamaludin and Amrifan Saladin Mohruni	German-Malaysian Institute, Kajang, Malaysia.b Faculty of Mechanical Engineering, Universiti Teknologi Malaysia, Johor Bahru, Malaysia
		5	MCI-027	Cutting Force and Surface Roughness Characterization for High-Speed Milling of Compacted Graphite Iron	Mohd Azlan Suhaimi, Kyung-Hee Park, Safian Sharif, Dong-Won Kim and Amrifan Saladin Mohruni	Faculty of Mechanical Engineering, Universiti Teknologi Malaysia, Johor Bahru, Malaysia
		6	MCI-005	The Design of High Temperature Thermal Conductivity Measurements Apparatus for Thin Sampel Size	Syamsul Hadi, Fama Aqiftiar Falah, Agus Kurniawan and Suyitno Suyitno	Mechanical Engineering Department, Sebelas Maret University, Surakarta
		7	MCI-012	Engine Optimization Grate Multipurpose Analysis Method with Quality Function Deployment	Nukman, Irsyadi Yani and Firdaus	Mechanical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang, Indonesia
		8	MCI-007	The Effect of Illumination on Work Result in Sorting Department	Dini Wahyuni, Mangara Tambunan, Nismah Panjaitan and Irwan Budiman	Industrial Engineering Department, Faculty of Engineering, University of Sumatera Utara, Medan
		9	MCI-008	Thermal Performance of Oscillating Heat Pipe with Ethanol/Methanol for Heat Recovery Application Design	Adi Winarta, Nandy Putra and Fadli Bakhtiar Aji	Mechanical Engineering Department, Faculty of Engineering, Universitas Indonesia, Depok
		10	MCI-011	Optimization High Vortex Finder of Cyclone Separator With Computational Fluids Dynamics Simulation	Ni Ketut Caturwati and Dwinanto Yusuf	Mechanical Engineering Department of Sultan Ageng Tirtayasa University, Banten

## SYMPOSIUM C - ROOM 4 - Wangka 5 (1st FLOOR)

### SRIWIJAYA INTERNATIONAL SYMPOSIUM ON MECHANICAL, INDUSTRIAL AND MATERIAL ENGINEERING

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
13.30-15.30  SESSION 2 (PARALEL)	1	MTR-001	Synthesis and Characterisation of Silica Xerogels: Effect of Catalyst and Calcination Temperature	Muthia Elma, David K. Wang, Christelle Yacou, João C. Diniz da Costa	FIM <sup>2</sup> Lab – Functional Interfacial Materials and Membranes Laboratory, School of Chemical Engineering, The University of Queensland, Brisbane, Queensland 4072, Australia
	2	MTR-002	Joint Strength of Mixed Silyl Modified Polymer-Epoxy Adhesive on Single Lap Joint Etched Aluminum	Sri Hastuti, Neng Sri Suharty and Triyono	Mechanical Engineering Department, Faculty of Engineering, Sebelas Maret University, Surakarta
	3	MTR-003	Synthesis of PVDF Copolymer Nanofiber for Lithium Ion Battery Separator by Electrospinning	Muhamad Nasir, Bambang Prihandoko, Achmad Subhan and Titik Lestariningsih	Research Unit for Clean Technology, Indonesian Institute of Sciences (LIPI), Puspitek Serpong, Tangerang,
	4	MTR-007	Effect of Ageing Time 200 °C on Microstructure Behaviour of Al-Zn-Cu-Mg Cast Alloys	Diah Kusuma Pratiwi and Nurhabibah Paramitha Eka Utami	Mechanical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
	5	MTR-008	Mechanical Properties Analysis of Al-9Zn-5Cu-4Mg Cast Alloy by T5 Heat Treatment	Nurhabibah Paramitha Eka Utami and Hendri Chandra	Mechanical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
	6	MTR-010	Magnetic Properties of Barium Ferrite after Milling by High Energy Milling (HEM)	Novrita Idayanti, Tony Kristiantoro and Ardita Septiani	Research Center for Electronics and Telecommunications, LIPI, Bandung
	7	MTR-012	Tensile Test of Membran Polyacrylonitrile	Agung Mataram, Syahrul Nasution and Mazari Legi Wijaya	Mechanical Engineering Department of Sriwijaya University, Palembang
	8	MTR-013	Effect of Mixing Parameters on the Mixing Time and Density of Composite HA/Ti6Al4V Feedstock for Powder Injection Molding	Amir Arifin and Abu Bakar Sulong	Department of Mechanical Engineering, Faculty of Engineering, Sriwijaya University, Palembang
	9	MTR-015	The Effect of Rotation Stirring on Macrosegregation in Bi-Sn Alloy	Yeni Zulaida, Riyan Afrizal and Suryana Suryana	Metallurgical Department, Faculty of Engineering, Sultan Ageng Tirtayasa University, Banten

**SYMPOSIUM C - ROOM 4 - Wangka 5 (1st FLOOR)**

**SRIWIJAYA INTERNATIONAL SYMPOSIUM ON MECHANICAL, INDUSTRIAL AND MATERIAL ENGINEERING**

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
15.45-17.45  <b>SESSION 3 (PARALEL)</b>	1	MCI-003	Cutting Condition of Coated Carbide when Hard Turning of Steel under Dry Cutting	Armansyah Ginting Ginting, Aqqil Limianto, Kevin Tan and Putra Chandra Wijaya	Laboratory of Machining Processes, Department of Mechanical Engineering, Faculty of Engineering, Universitas Sumatera Utara, Medan
	2	MCI-028	Tandem Bike Design for Apartment Residents as an Idea to Reduce Air Pollution	Bambang Iskandriawan, Jatmiko, Eri Naharani Ustazah and Firman Hawari	Department of Industrial Design, Faculty of Civil Engineering and Planning, Institut Teknologi Sepuluh Nopember, Surabaya
	3	MCI-019	Numerical Analysis of Shell and Tube Heat Exchangers with Segmental and Helical Baffle	Sri Poernomo Sari, Andi Cahya Ichi, Astuti	Mechanical Engineering Department, Faculty of Industrial Technology, Gunadarma University, Jakarta
	4	MCI-021	Redesigning a High Wheel Bicycle: A Case Study of Inventive Problem Solving	Risdiyono	Department of Mechanical Engineering Islamic University of Indonesia, Yogyakarta
	5	MCI-013	Experimental study on a Hybrid Loop Heat Pipe	Iwan Setyawan, Imansyah Ibnu Hakim and Nandy Putra	Mechanical Engineering Department, Faculty of Engineering, Universitas Indonesia, Depok
	6	MCI-015	Vibration Analysis Of Rotary Cement Kiln Using Finite Element Method	Hasan Basri and Akbar Teguh.	Mechanical Engineering Department, Faculty of Engineering, Sriwijaya University, Palembang
	7	MCI-016	Influences of Pitch-Length Louvered Strip Insert on Thermal Characteristic in Concentric Pipe Heat Exchanger	Indri Yaningsih and Agung Tri Wijayanta	Mechanical Engineering Department, Faculty of Engineering, Sebelas Maret University, Surakarta
	8	MCI-030	Development Of An Automatic Sorting System	Hassan Basri, M A Hannan and Irsyadi Yani	Mechanical Engineering, Faculty of Engineering, Sriwijaya University, Indonesia
	9	MCI-029	Analysis of Effect of Capture Fisheries Policy to the Supply Chain of Fish Canning Industry using System Dynamic Modeling	Ratna Purwaningsih and Buna Rizal	Industrial Engineering Department, Engineering Faculty, Diponegoro University, 50275, Indonesia

## SYMPOSIUM D - ROOM 5 - WANGKA 3 (1ST FLOOR)

### SRIWIJAYA INTERNATIONAL SYMPOSIUM ON GEOLOGY, MINING AND ENVIRONMENTAL ENGINEERING

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
10.30-12.30 <b>SESSION 1 (PARALEL)</b>	1	GMN-001	Mineralogy and Fluid Inclusion Microthermometry of Epithermal Gold-Base Metal Mineralization at Anggai, Obi Island, Indonesia	Irzal Nur, Ulva Ria Irfan and Alwi La Masinu	Mining Engineering Study Program, Hasanuddin University, Makassar
	2	GMN-003	Hydrothermal Alteration Mineralogy Associated with Gold Mineralization in Buladu Area, Gorontalo, Northern Sulawesi, Indonesia	Ulva Ria Irfan, Irzal Nur and Muhammad Kasim	Geographical Education Study Program of Gorontalo National University, Gorontalo
	3	GMN-009	Marine Ecology Conditions at Weda Bay, North Maluku Based on Statistical Analysis on Distribution of Recent Foraminifera	Anis Kurniasih, Septiono Hari Nugroho and Reddy Setyawan	Geological Engineering, Diponegoro University, Semarang
	4	GMN-010	Utilization of Coconut Shell Charcoal Various temperature to Enhance Cement Strength in Well Cementing Operation	Mursyidah, Novrianti, Adi Novriansyah, Teguh Prasetya Utama	Islamic university of Riau / Department Of Energy and Mineral Resources Engineering, Sejong University, Republic of Korea
	5	GMN-013	Nitrified Acidizing Design at Well "X-1" Based on Evaluation of Matrix Acidizing at Well "X-2"	Indira Irdiandri, Sugiatmo Kasmungin and Puri Wijayanti	Petroleum Engineering Department, Trisakti University, Jakarta
	6	GMN-014	Source Rock Formation Evaluation using TOC & Ro Log Model Based on Well-Log Data Processing: Study Case of Ngimbang Formation, North East Java Basin	Yosar Fatahillah, Anik Hilyah, Widya Utama, M Iqbal Maulana and Kukuh Suprayogi	Geophysics Engineering Department, Institut Teknologi Sepuluh Nopember, Surabaya
	7	GMN-015	Laboratory Study of Salinity and Surfactant Concentration Effect on Oil Recovery	Widia Yanti, Sugiatmo Kasmungin, Rabiatal Adawiyah and Blandina Kolanus	Petroleum Engineering Department, Faculty of Earth Technology and Energy, Trisakti University, Jakarta
	8	GMN-019	Geothermal Hot Water Potential at Parangwedang Parangtritis Bantul Yogyakarta as Main Support of Geoheritage Site	Krt Nur Suhascaryo, Jatmika Setiawan, Hadi Purnama and Hongky Budi Prastyo	Universitas Pembangunan Nasional "Veteran" Yogyakarta, Yogyakarta
	9	GMN-017	The Study of Ore Minerals Parageneses in Ponorogo Area, East Java	Endang Wiwik Dyah Hastuti	Department of Geological Engineering Sriwijaya University, Palembang

## SYMPOSIUM D - ROOM 5 - WANGKA 3 (1ST FLOOR)

### SRIWIJAYA INTERNATIONAL SYMPOSIUM ON GEOLOGY, MINING AND ENVIRONMENTAL ENGINEERING

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
13.30-15.30 <b>SESSION 2 (PARALEL)</b>	1	ENV-002	WindSat and RAMA Buoy: A Comparison of Ocean-Atmosphere Data	Ayu Agustin, Wijaya Mardiansyah, Dedi Setiabudidaya and Iskhaq Iskandar	Physics Department, Faculty of Mathematics and Natural Sciences, Sriwijaya University, Palembang
	2	ENV-005	On the Influence of ENSO and IOD on Rainfall Variability over the Musi Basin, South Sumatera	Wijaya Mardiansyah, Dedi Setiabudidaya, M. Yusup Nurkhakim, Indra Yustian, Zulkifli Dahlan and Iskhaq Iskandar	Physics Department, Faculty of Mathematics and Natural Science, Sriwijaya University, Palembang
	3	ENV-017	Allocation of Potential Value Socio-ecology Kolong Post Tin Mining in Bangka Island	Wahyudi Himawan, Fahrurrojie Sjarkowie and Indra Yustian	Environment Study Post Graduate, University of Sriwijaya, Palembang
	4	ENV-018	Preliminary Study of the Human Activities and Perception on the Groundwater Vulnerability in Lowlands of Semarang	Novie Susanto, Thomas Triadi Putranto and Dian Agus Widiarso	Industrial Engineering Department, Faculty of Engineering, Diponegoro University, Semarang
	5	ENV-019	Modelling of phosphate enrichment and trophic status of Sipin Lake Jambi by using TSI Carlson method	Ira Galih Prabasari, Hutwan Syarifuddin and Damris Muhammad	Engineering Faculty, Jambi University, Jambi
	6	ENV-026	Direct Estimation of Carbon Stock from Standing Trees at Campus Forest Inderalaya, Sriwijaya University	Tran Cong Phong, Guntur Pragustiandi and Iskhaq Iskandar	Environmental Science Management, Thai Nguyen University of Agriculture and Forestry, Quey Thang Commune, Thai Nguyen City, Vietnam
	7	GMN-020	Pleistocene Reef Development in Bulukumba, South Sulawesi	Andi Muhammad Imran, Ratna Husein, Meutia Farida and Afdan Prayudi	Geological Department, Faculty of Engineering, Hasanuddin University, Makassar
	8	GMN-024	Integrated Coal Logistic Infrastructure Feasibility Study to Unlock Giant Coal Reserve in Central Kalimantan	Henrikus Galih Irawan, Herlambang Cipta Aji and Ade Candra	University of Gajah Mada, Yogyakarta, Indonesia
	9	GMN-002	Olistostrome And The Mesozoic Tectonic Of The Bantimala Complex, South Sulawesi	Kaharuddin MS, A.M. Imran, Chalid Idham Abdullah, Asri Jaya	Geology Engineering Department, Faculty of Engineering, Hasanuddin University, Makassar



## SYMPOSIUM D - ROOM 5 - WANGKA 3 (1ST FLOOR)

### SRIWIJAYA INTERNATIONAL SYMPOSIUM ON GEOLOGY, MINING AND ENVIRONMENTAL ENGINEERING

TIME	PAPER-ID	TITLE	AUTHOR	AFFILIATION	
15.45-17.45 <b>SESSION 3 (PARALEL)</b>	1	GMN-027	Lithology Analysis Using Joint Pp And Ps (Converted Wave) Inversion	Hafidz Dezulfakar, Gigih Prakoso, Firman Syaifuddin, Nova Linzai and Widya Utama	Geophysic Engineering, Institut Teknologi Sepuluh Nopember (ITS), Surabaya
	2	GMN-029	Mineralogy of Silicified Coal in Muara Enim Formation, Tanjung Enim, South Sumatera	Hendra Amijaya, Theodora Noely Tambaria and Himawan Tri Bayu Murti	Department of Geological Engineering, Gadjah Mada University, Yogyakarta, Indonesia
	3	GMN-030	Volcanogenic Tonsteins from Bukit Asam Coalfield, South Sumatra Basin, Indonesia	Ferian Anggara, Amanda Ayudhia Sahri, Zain Andrian Nur Asa and Donatus Hendra Amijaya	Geological Engineering Department, Faculty of Engineering, Gadjah Mada University, Yogyakarta
	4	GMN-031	Performance Evaluation Of Reservoir On Field Sangasanga Layer A20 By Craig Geffen Morse	Ardiansyah Akbar, Sugiato Kasmungin and Pauhesti Rusdi	Departement of Petroleum Engineering, Faculty of Technology Earth and Energy, Trisakti University, Jakarta
	5	ENV-029	Model Policy of Renewable Energy Resources of Waste Oil Palm Biomass In Sumatera Utara	Aulia Ishak and Khalida Syahputri	Department Industrial Engineering, Engineering Faculty, Universitas Sumatera Utara, Medan
	6	ENV-031	Measuring Soil Recovery after Coal Minesite Rehabilitation in South Sumatra	Dwi Setyawan, Adipati Napoleon and Herlina Hanum	Soil Science Department, Sriwijaya University, Palembang
	7	ENV-035	The Development of Android App System for Monitoring of Reclaimed Mine Land Based on GPS Location of the Tree Revegetation	Rossi Passarella, Huda Ubaya, Sutarno, Ahmad Rifai and Osvari Arsalan	Department of Computer Science, Faculty of Computer Science, Sriwijaya University, Palembang
	8	ENV-038	Superstructure Optimization Model for Integrated Urban Water Supply System – Bandung City, Indonesia	Evi Afiatun, Suprihanto Notodarmojo, Agus Effendi and Kuntjoro Sidarto	Department of Environmental Engineering, Pasundan University, Bandung