

Day 2 (6 September 2018)

Room C309

Sustainable Infrastructure & Transportation

Time		Name of Authors	Title of paper
08.45-09.05		Preparation	
09.05-09.25	1	E Prahara, A D Nataatmadja, H Lisa	Analysis of Motorcycle Unit (MCU) for Motorcycle-Dominated Traffic with Effective Space Approach (Case Study: Jalan Raya Lenteng Agung Barat dan Jalan Teuku Nyak Arief)
09.25-09.45	2	Yureana Wijayantia, Betti Yuniasiha, Nishi Vermab, Andreas W Krisdiartoa, Lisma Safitria	Groundwater Quality Mapping of Yogyakarta City, Sleman, Kulonprogo and Bantul Regency Area of Yogyakarta Province
09.45-10.05	3	Leni Sagita Riantini Supriadi, Baksyadennaya Wisusatama, Yusuf Latief	Development Of Work Breakdown Structure (WBS) Dictionary For Road Construction Works
10.05-10.25	4	Oki Setyandito, Yureana Wijayanti, Martin Anda, Purwadi, Kadarwati Budihardjo	Understanding and Quantifying Water Balance for Sustainable City and Agriculture of Yogyakarta Province
10.25-10.40		Coffee break	
10.40-11.00	1	Eduardi Prahara, H Y Vermolen	The Evaluation Of Traffic Characteristic Analyzed By VISSIM (Case Study: Underpass Construction At Metro Pondok Indah Road)
11.00-11.20	2	Putri Arumsari, Ricco Tanachi	Value engineering application in a high-rise building (a case study in Bali)
11.20-11.40	3	G A Kristanto, H Wijaya	Assessment of Spent Coffee Ground (SCG) and Coffee Silverskin (CS) as Refuse Derived Fuel (RDF)
11.40-12.00	4	Oki Setyandito, Nur Yuwono, Nizam, Firza Utama Sjarifudin, Mitchell, John Freddy Bobby Saragih	Hydrodynamic flow characteristics of tsunami waves impact on bearing wall layout
12.00-13.00		Lunch	
13.00-13.10		Preparation	
13.10-13.30	1	Irpan Hidayat, Made Suangga, Adelia Dwidarma Nataadmadja, Yosua	The Influence of Crystalline to Compressive Strength of Concrete in terms of Mixing Methods and Mixer Speed
13.30-13.50	2	Juliastuti, Putri Arumsari, Oki Setyandito	Spatial Data and Catchment Discretization for Assessment Coastal Urban Drainage Performance Using GIS and MIKE URBAN-SWMM
13.50-14.10	3	Juliastuti, Oki Setyandito, Made Suangga, Djoko Sulistyono	The River Flow Regime Assessment Model of Bridge Condition Rating for Preventive Maintenance Program
14.10-14.30	4	Ditdit Nugeraha Utama, Eri Rustamaji, Amelia	Fuzzy eco-DSM for road traffic engineering
14.50-15.05		Coffee break	
15.05-15.25	1	Adelia Dwidarma Nataadmadja, Oki Setyandito, and Eduardi Prahara	Analysis of moisture susceptibility of hot mix asphalt (HMA)
15.25-15.45	2	Irpan Hidayat, Made Suangga, Gerardo Siagian	Validation Value of Force Cable with Considering Effect of Sag Cables and bending stiffness of Frequency Measurement Results Using the Accelerometer
15.45-16.05	3	Meilani and F C Dharma	Burning Effects of Aggregate Towards Compressive Strength

Day 2 (6 September 2018)

Room C310

Sustainable Industry and Green Manufacturing

Time		Name of Authors	Title of paper
08.45-09.05		Preparation	
09.05-09.25	1	Windy Indah Sari, Dyah Lestari Widaningrum	Geographical perspective in managing worker's recruitment and rotation
09.25-09.45	2	Aries Susanty, Nia Budi Puspitasari, Singgih Saptadi, Sidiq Prasetyo	Implementation of Green Tourism Concept through a Dynamic Programming Algorithm to Select the Best Route of Tourist Travel
09.45-10.05	3	Tota Pirdo Kasih, Angel Kharisma, Ajat Suryanto,	Optimization of spot welding process parameters on dissimilar and unequal thickness of metal sheets by using Taguchi technique
10.05-10.25	4	M Y Purwanto and T R Sahroni	Design Analysis of Distributed Control System (DCS) Room With Curved Monitor
10.25-10.40		Coffee break	
10.40-11.00	1	Laurence, Natalia Hartono, Alvin Fidelis, Rudy Silalahi	Design of Garbage Picking Up Tool at Ecopark PIK, North Jakarta
11.00-11.20	2	Helena J Kristina, Agustina Christiani, Eric Jobiliong	Pattern of Student Education in Realizing Literacy of Recycling's Principle
11.20-11.40	3	Khristian Edi Nugroho Soebandrija, Daniel Patricko Hutabarat, Aerna	Sustainable industrial systems within kernel density analysis of artificial intelligence and industry 4.0
10.05-10.25	4	Agustina Kristiani	Circular economy of supply chain of recycled plastic bottle waste
12.00-13.00		Lunch	
13.00-13.10		Preparation	
13.10-13.30	1	Herdis Herdiansyah	Application of Green Banking on Financing Infrastructure Project Industry in Indonesia
13.30-13.50	2	Achmad Farid Wajdi, Suhirwan, Yeyep Firdaus	The Hybrid Framework of Decision Making in Military: The Case of Railway Planning
13.50-14.10	3	M T Annual, T R Sahroni, S Akmal, F A Nasution	Transient Thermal Analysis of Welding Fixtures Design
14.10-14.30	4	Nia Budi Puspitasari	EVALUATION OF QUALITY WITH RISK ASSESSMENT USING KANO MODEL AND FMEA IN AIRLINE SERVICES AT GARUDA INDONESIA
14.30-14.50	5	Vanesa Darvin Gaspersz	Pilot Project Start Up Social Business of Collecting Small Sizes Electric Wastes for Scavengers' Savings
14.50-15.05		Coffee break	
15.05-15.25	1	Laurence, Natalia Hartono, Agustina Christiani	Case Study of LCA in bread production process
15.25-15.45	2	N. Hartono, A. Christiani, T. Lasiman	Integrated Model of Service Blueprint and House of Risk (HOR) for Service Quality Improvement
15.45-16.05	3	R A Kusmaya and T R Sahroni	Technical-Economic Feasibility of Solar Cathodic Protection
16.05-16.25	4	Pretty Princess Pontororing, Stanley Gilbert, Iwan Tutuka Pambudi, Ajat Suryanto, Aditya Andika	Green Manufacturing Initiative through the Optimization of Parameters in Resistance Spot Welding Using Response Surface Methodology
16.25-16.45	5	Rudy Susanto	Comparison of three Iora devices and its application on street light monitoring system

Day 2 (6 September 2018)

Room C311

Sustainable Architecture

Time		Name of Authors	Title of paper
08.45-09.05		Preparation	
09.05-09.25	1	T Mustikawati, Y A Yatmo, P Atmodiwirjo	Wayfinding beyond signage: rethinking the role of spatial objects and object relations
09.25-09.45	2	N Noegroho, Y M Ardiani	Utilization of green belt zone around the dam Study case : Logung Dam, Kudus Regency, Central Java
09.45-10.05	3	Sigit Wijksono, Sasmoko, Y Indrianti, SA Widhoyoko	Empirical Study of Architect Competencies
10.05-10.25	4	B Sakina	An Assessment of Sustainability in Architecture Based on Sustainable Building Framework – <i>Case Study: Mesvara House, Yogyakarta, Indonesia</i>
10.25-10.40		Coffee break	
10.40-11.00	1	Yanita Mila Ardiani, Noegroho	INFRASTRUCTURES FOR THE DEVELOPMENT ON BAWEAN ISLAND, GRESIK, EAST JAVA, INDONESIA
11.00-11.20	2	Denny Setiawan	Study of Ecological and Green Architecture Theories for a House in South Jakarta
11.20-11.40	3	Octaviana Sylvia Caroline	Implementing bamboo research into holistic architecture design for creating thermally comfortable interior environment in Gili Meno, Indonesia
11.40-12.00	4	John Fredy Bobby Saragih	Limitedness of Space in Coastal Settlement Area ; How Children Create Their Playground ?
12.00-13.00		Lunch	
13.00-13.10		Preparation	
13.10-13.30	1	M Johanes, P Atmodiwirjo, Y A Yatmo	Developing Digital Design Workflow for Architecture Based on Cleanability as a Design Parameter
13.30-13.50	2	Yanita Mila Ardiani, Noegroho	INFRASTRUCTURES FOR THE DEVELOPMENT ON BAWEAN ISLAND, GRESIK, EAST JAVA, INDONESIA
13.50-14.10	3	N Nurdiani, W Katarina	The design of buildings and neighborhood in Mahmud cultural village that are still in harmony with nature
14.10-14.30	4	WELLY WANGIDJAJA	Insulated Roof Panels as An Alternative Material for Roofing materials
14.30-14.50	5	Michael Tedja	COMPARISON OF BRICK WALL CONSTRUCTION METHOD WITH LIGHT WALLS
14.50-15.05		Coffee break	
15.05-15.25	1	Yosica Mariana, Bonny A Suryawinata	Sustainable water management: roof as a rainwater catchment area
15.25-15.45	2	Wiyantara Wizaka, Nina Nurdiani	Virtual Reality as A New Teaching Method in Building Construction Learning
15.45-16.05	3	Vivien H Soebiyani	Improving natural ventilation for energy-efficient low income apartment in the tropic
16.05-16.25	4	Lusiana Gendis Septiafani, Religiana Hendarti, Welly Wangidjaja	A study of solar energy for an aquaculture in Jakarta
16.25-16.45	5	Sigit Wijksono, Sasmoko, Y Indrianti, and SA Widhoyoko	The Determinants of The Architect's Competence

Day 2 (6 September 2018)

Room C312

**Integrated of Smart Computing and Communication
Green Food Technology**

Time	Name of Authors	Title of paper
08.45-09.05	Preparation	
09.05-09.25	1 Ragapadmi Purnamaningsih, Nesti Fronika Sianipar, Khoirunnisa Assidqi, Harco Leslie Hendric Spits Warnars	Genetic variation of somaclonal mutants from the 8th generation of Pekalongan accession rodent tuber (<i>Typhonium flagelliforme</i> Lodd.) based on RAPD-PCR analysis
09.25-09.45	2 Ata Aditya Wardana, Yulia	The influence of acid hydrolysis followed by autoclaving-cooling on physical properties and resistant starch of purple sweet potato (<i>Ipomea batatas</i> L.) flour
09.45-10.05	3 G A Kristanto, H Wijaya	Assessment of Spent Coffee Ground (SCG) and Coffee Silverskin (CS) as Refuse Derived Fuel (RDF)
10.05-10.25	4 Gabriel Febrianto, Doni Karisma, Dave Mangindaan	Polyetherimide thin film composite (PEI-TFC) membranes for nanofiltration treatment of dyes wastewater
10.25-10.40	Coffee break	
10.40-11.00	1 Diana Lo, Reynetha DS Rawendra, Cian-Song Huang, Rupak Khatri-Chhetri, Yuh-Tai Wang, Ming-Chang Wu	Anti-oxidative and protective effect of soy tempeh on di(2-ethylhexyl)-phthalate (DEHP) injured FL83B mice liver cells
11.00-11.20	2 S G Herawan, M A Ahmad	Optimization of operating parameters on the activated carbon from pinang frond for adsorption of remazol brilliant blue r
11.20-11.40	3 Reynaldi Januar Wanter, Priyo Waspodo, Dave Mangindaan	Preparation of Indonesian taro starch particles via nanoprecipitation process
11.40-12.00	4 Vega Yoeseпа Pamela, Bayu Meindrawan, Rizal Syarief, Evi Savitri Iriani, Nugraha Edhi Suyatma	Barrier and Antimicrobial Properties of PVA films Incorporated with ZnO Nanoparticles and Stearic Acid
11.40-12.00	5 Ronald Horison, Ferry Octavian Sulaiman, Daniel Alfredo, Ata Aditya Wardana	Application of bioindicator film from tapioca/agar/mulberry (<i>Morus alba</i> L) to detect sausage spoilage
12.00-13.00	Lunch	
13.00-13.10	Preparation	
13.10-13.30	1 Riko Tandil, Johan Yapson, Wiedjaja Atmaja, Suryadiputra Liawatimena, Rudy Susanto	Hydroponic Nutrient Mixing System Based on STM32
13.30-13.50	2 Jimmy Linggarjati	Learning PID digital motor control using launchpad ecosystem from TI C2000
13.50-14.10	3 Tjeng Wawan Cenggoro, Fidelson Tanzil, Ayu Hidayah Aslamiah, Ettikan Kandasamy Karuppiah, Bens Pardamean	Crowdsourcing Annotation System of Object Counting Dataset for Deep Learning Algorithm
14.10-14.30	4 Rezy Eko Caraka, Budi Darmawan Supatmanto, Joko Soebagyo, M Ali Mauludin, Akbar Iskandar, Bens Pardamean	Short Communication of Rainfall Forecasting Using PSPLINE and Rice Production with Ocean-Atmosphere Interaction
14.50-15.05	Coffee break	
15.05-15.25	1 Daniel Patricko Hutabarat, Santoso Budijono, Robby Saleh	Development of Home Security System Using ESP8266 and Android Smartphone as the Monitoring Tool
15.25-15.45	2 Rudy Susanto, Wiedjaja, James Anthony, Jacksen	Comparison of three lora devices and its application on street light monitoring system
15.45-16.05	3 Rudy Susanto, Rico Wijaya, Anton Talok, John Reigton Hartono, Rinda Hedwig, Jonathan Lukas, and Satrio Dewanto	Stabilizing System for Quadrator Copter Like Flying Robot by Using Proportional-Integral-Derivative (PID) Controller
16.05-16.25	4 Khristian Edi NS, Daniel Patricko Hutabarat, Aerna, Fauzi Khair	Sustainable Systems within Kernel Density Analysis of Artificial Intelligence and Industry 4.0

Day 2 (6 September 2018)

Room MR0303

Integrated of Smart Computing and Communication
Sustainable Industry and Green Manufacturing

Time	Name of Authors	Title of paper
08.45-09.05	Preparation	
09.05-09.25	1 Rudy Vernando Silalahi, Natalia Hartono, Mario Andrie Tumpak	Profile and Preferences Users of Doctors Consultation Application in Indonesia
09.25-09.45	2 Harpa Ega Prawira, Januar Nasution	THE PILOT STUDY OF SUSTAINABLE RENEWABLE HEAT ENERGY WHICH GENERATED FROM AN ACTIVE COMPRESSOR IN A PEST CONTROL INDUSTRIAL COMPANY
09.45-10.05	3 Pretty Princess Pontororing, Stanley Gilbert, Aditya Andika	Optimization Parameters in Resistance Spot Welding Using Response Surface
10.05-10.25	4 Rida Zuraida, Nike Septivani	Risky-driving behavior and its relation with eco-driving behavior based on an adapted Manchester Driving Behavior questionnaire
10.25-10.40	Coffee break	
10.40-10.55	1 Natalia Hartono, Laurence, J Ardian	Integration of Design for Environment Principles and Guidelines into Study Desk Design
10.55-11.10	2 Purnawan Adi Wicaksono, Nia Budi Puspitasari, Marissa Fajarina Retnaningtyas	EVALUATION OF QUALITY WITH RISK ASSESSMENT USING KANO MODEL AND FMEA IN AIRLINE SERVICES AT GARUDA INDONESIA
11.10-11.25	3 Ahmad Syarnubi, Riayadi Andemon Sembiring, Tri Siswaya, Rida Zuraida	Performance, productivity, and safety & health among employee of oil & gas company in Qatar
11.25-11.40	4 Windy Indah Sari, Dyah Lestari Widaningrum	Geographical perspective in managing worker's recruitment and rotation
11.40-12.00	5 Tota Pirdo Kasih, Angel Kharisma, M. Kevin Perdana, Pretty Princess Pontororing, Dave Mangindaan	Influence of admising oxygen on Argon plasma discharge for organic pollutant degradation in wastewater treatment
12.00-13.00	Lunch	