

Poster Session Day 1

Tuesday, July 25, 2017 15.00-15.30

No	ID	Paper #	Author	Title	Afiliation
1	P - 1	30	Heri Suyanto, Albert Gifson and Juara Mangapul	Analysis Study of Rate Total Harmonic Distortion (THD) at Substation - Substation Distribution Industry Customers, Business and Household	PLN Technical College, Indonesia
2	P - 2	328	Peter Chondro, Shanq-Jang Ruan and Chia-Hua Chang	Entropy-Based Analysis on Dynamic Video Dimming Algorithm for Energy Efficient OLED Displays	National Taiwan University of Science and Technology, Taiwan
3	P - 3	345	Daniel Hofman, Jenq-Shiou Leu and Pavel Troller	Evolution from a Door Bell into an IP Door Phone	National Taiwan University of Science and Technology, Taiwan
4	P - 4	396	Hindarto Hindarto and Sumarno Sumarno	Feature Extraction of Epilepsy Signal Using Sampling Technique	Muhammadiyah University of Sidoarjo, Indonesia
5	P - 5	408	Amalia, Erfan Rohadi and Indrazno Siradjuddin	Numerical Analysis of the Bandwidth Enhancement of an Inverted F Antenna for UHF Channel at 639 MHz	State Polytechnic of Malang, Indonesia
6	P - 6	409	Ferrianto Gozali and William Kristianto	The Utilization Of Quick Response Code In E – Payment To Support Retail Business Transaction	Trisakti University, Indonesia
7	P - 7	454	Indrazno Siradjuddin, Rendi Pambudi Wicaksono, Anggit Murdani, Zakiyah Amalia and Denda Dewatama	State of the Art of Joint Torque Sensor for Human Robot Interaction	State Polytechnic of Malang, Indonesia
8	P - 8	474	Jeong-Hoon Seol and Sung-Ho Hahm	Drain Current Modeling of GaN Schottky Barrier MOSFETs	Kyungpook National University, South Korea
9	P - 9	675	Daniel Moraru, Gaurang Prabhudesai, Mitsuki Shibuya and Michiharu Tabe	Impact of Dopant-Atoms in Inter-band Tunneling in Si Nanoscale Tunnel Diodes	Shizuoka University, Japan

10	P - 10	573	Chin-Hsien Wu and Ting-Wei Wang	A Garbage Collection Management Method for Reliable Non-Volatile Memory Systems	National Taiwan University of Science and Technology, Taiwan
11	P - 11	748	Lesti Setianingrum and Sasono Rahardjo	LiFi as an Emerging Technology to be Utilized in Indonesia	Agency for The Assessment and Application of Technology (BPPT), Indonesia
12	P - 12	142	Edvins Dauksta, Pavels Onufrijevs, Masaru Shimomura, Vygantas Mizeikis, Arturs Medvids and Kenji Murakami	Modification of TiO ₂ Single Crystal by Laser Radiation	Shizuoka University, Japan
13	P - 13	15	Anton Irawan, Dina Nur Izzati and Rahajeng Widiana Purwaningrum	Investigation Anti Slagging Materials for Increasing Ash Fusion Temperature (AFT) in Pulverized Coal Combustion	Sultan Ageng Tirtayasa University, Indonesia
14	P - 14	45	Sri Atmaja P. Rosyidi, Siegfried Siegfried and Nur Izzi Md Yusoff	Evaluation of Seismic Tests for Pavement Assessment in Indonesia	Muhammadiyah University of Yogyakarta, Indonesia
15	P - 15	100	Anthony Christian, Sheila Tobing and Riccy Kurniawan	A Numerical Analysis on the Effects of Angle-of-Attack and Stagger on the Propulsion of Tandem Airfoil at High and Low Speed Flight	Atma Jaya Catholic University, Indonesia
16	P - 65	346	Rayung Wulan, Mei Lestari, and Ni Wayan Parwati Septiani	Naïve Bayes Algorithm Applied on Breast Cancer Expert System	Indraprasta PGRI University, Indonesia
17	P - 66	663	Za'Imatun Niswati, Fanisya Alva Mustika and Aulia Paramita	Implementation Of Fuzzy Mamdani In The Diagnosis Of Diabetes Mellitus In Puskesmas Pasar Rebo And Puskesmas Makasar	Indraprasta PGRI University, Indonesia

Poster Session Day 1

Tuesday, July 25, 2017 18.00-19.00

No	ID	Paper #	Author	Title	Affiliation
1	P - 16	175	Aprilinda Sofiana, Leonardo Chandra, Ismojo and Aniek Sri Handayani	Manufacturing Micro/Nano-Fiber Cellulose as Bio-Composite Filler from Sorghum Stalk Waste for Automotive Component Application	Indonesia Institute of Technology, Indonesia
2	P - 17	233	Mohammed Ali Berawi, Perdana Miraj, Abdur Rohim Boy Berawi and Revaldo Agdhitya	Developing urban planning in new city of Walini: Creating benefits from high speed train project	Universitas Indonesia, Indonesia
3	P - 18	261	Kamarza Mulia, Fitria Hasanah and Elsa Krisanti	The Effect of Heating Temperature on Cytotoxicity and Alpha-Mangostin Yield: Fresh Mangosteen Pericarp Juice and Mangosteen Extract	Universitas Indonesia, Indonesia
4	P - 19	304	Fitri Khoerunnisa, Hendrawan Hendrawan, Dwi Rizki Primastari and Riska Agiawati	Effect of MWCNT on Properties and Flux of Chitosan/PEG Based Ultrafiltration Membranes	Indonesia University of Education, Indonesia
5	P - 20	383	Khairul Hadi B, Made Tri Ari Penia Kresnowati and Tjandra Setiadi	Optimization of Crude Xylanase Production from Oil Palm Empty Fruit Bunches	Bandung Institute of Technology, Indonesia
6	P - 21	398	Fathya Rahmina, M.T.A.P Kresnowati and Yazid Bindar	Development of Instant Starter for Fermented Cassava Flour Production	Bandung Institute of Technology, Indonesia

7	P - 22	420	Siswo Sumardiono, Isti Pudjihastuti, Anggun Siswanto and Edy Supriyo	Advanced Oxidation Process via Ozonation of Cassava Starch for Psychochemical and Rheological Properties Enhancement	Diponegoro University, Indonesia
8	P - 23	421	Anggun Siswanto, Wahyuningsih and Isti Pudjihastuti	Enzymatic Synthesis of Tuna Oil and Lauric Acid for Modified Lipid Production Using Lipase Candida Rugosa as Biocatalyst	Diponegoro University, Indonesia
9	P - 24	437	Yuliusman Yuliusman, Nasruddin Nasruddin, Alristo Sanal, Andra Barnama, Farandy Harris and Imam Ramadhan	CFD Modeling of Adsorption Behavior in Adsorbed Natural Gas Tank with Polyethylene Terephthalate Plastic Waste Based Activated Carbon	Universitas Indonesia, Indonesia
10	P - 25	458	Tuty Emilia Agustina, Gita Theodora Simanjuntak and Tessa Rebecca	Application of Fenton-Based Methods for the Treatment of Traditional Fabric Wastewater	Sriwijaya University, Indonesia
11	P - 26	461	Yuliusman Yuliusman, Nasruddin Nasruddin, Muhammadl Afdhol, Rahmatika Amiliana, Afdhal Hanafi and Imam Ramadhan	Off Gas Purification of Crude Oil Refinery Using Activated Carbon from Coconut Shell Oil as Biosorbent	Universitas Indonesia, Indonesia
12	P - 27	491	Winarto Winarto, Rini Riastuti and Nur Kumeidi	Microstructural and Mechanical Properties of Welded High Strength Steel Plate Using SMAW and SAW Method for LPG Storage Tanks	Universitas Indonesia, Indonesia
13	P - 28	524	Elsa Ramayeni, Dimas Firlyansyah Pratama and Bambang Heru Susanto	Synthesis of Partially Hydrogenation of Kemiri Sunan Biodiesel (H-FAME) using NiMo/Carbon Catalyst to Increase Oxidation Stability of Biosolar	Universitas Indonesia, Indonesia
14	P - 29	525	Dimas F. Pratama and Bambang Heru Susanto	Application of Modified Microwave Polyol Process Method on NiMo/C Nanoparticle Catalyst Synthesis for Hydrogenated Biodiesel Production	Universitas Indonesia, Indonesia
15	P - 30	563	Yusuf Latief, Mohammed Ali Berawi, Ario Bintang Koesalamwardi, Leni Sagita Riantini, Jade Sjafrica Petroceany	Defining Design Parameters for Housing Development in Tropical Climate using Near Zero Energy House (NZEH) Concept	Universitas Indonesia, Indonesia

16	P - 63	776	Dian Purwitasari Dewanti, Dewi Tristantini and Eny Kusrini	Synthesis and Characterization Cellulose Acetate from Natural Fiber as A Substitute for Microbeads Polyethylene Environmentally Friendly	Universitas Indonesia, Indonesia
17	P – 67	517	Rian Mantasa Salve Prastica	Estimating Design Flood and HEC-RAS Modeling Approach for Flood Analysis in Bojonegoro City	Universitas Indonesia, Indonesia

Poster Session Day 2

Wednesday, July 26, 2017 10.00-10.30

No	ID	Paper #	Author	Title	Afiliation
1	P - 31	579	Isti Pudjihastuti, Siswo Sumardiono and Noer Abyor Handayani	Physicochemical Characteristics of Artificial Rice from Composite Flour: Modified Cassava Starch, <i>Canavalia</i> <i>ensiformis</i> and <i>Dioscorea esculenta</i>	Diponegoro University, Indonesia
2	P - 32	594	Agung Sri Hendarsa	Photo-Bio-Degradation of Phenol Using Composite TiO ₂ -pumice and Composite Biofilm <i>Acinetobacter baumannii</i> -pumice	Universitas Indonesia, Indonesia
3	P - 33	596	Teguh Endah Saraswati, Kartiko Nugroho and Miftahul Anwar	Formation of Carbon-based Composite Anti Corrosion Coating Layer Using Flame Thermal Spray Deposition Formation of Carbide-based Composite Anti-Corrosion Coating Layer Using Flame Thermal Spray Deposition	Sebelas Maret University, Indonesia
4	P - 34	620	Denni Sari, Indar Kustiningsih and Utami Lusi	Ultrasonic-Assisted Extraction of Total Phenolic Coumpounds from Ketapang Leaves (<i>Terminalia Catappa</i>)	Sultan Ageng Tirtayasa University, Indonesia
5	P - 35	629	Agung Sri Hendarsa	Biodegradation of Methylcyclohexane (MCH) Using Composite Biofilm <i>Acinetobacter Baumannii</i> -Pumice Stone	Universitas Indonesia, Indonesia
6	P - 36	630	Risya Utaviani, Dimas Farlyansyah and Bambang Heru Susanto	Synthesis of Green Diesel Through Hydrolysis and Hydrodeoxygenation from Waste Cooking Palm Oil Using NiMo/Al ₂ O ₃ Catalyst	Universitas Indonesia, Indonesia
7	P - 37	659	Mukti Andriyanto	Trash as a Hub of Scavanger's Money	Universitas Indonesia, Indonesia
8	P - 38	668	Rina Dewi Mayasari	Effect of Different Substrates on Synthesis and Growth of ZnO Rods	Agency for the Assessment and Application of Technology (BPPT), Indonesia

9	P - 39	673	Desi Heltina, Praswasti Pdk Wulan and Slamet Slamet	Influence of the Zeta Potential on the Dispersability of Carbon Nanotube	Universitas Indonesia, Indonesia
10	P - 40	704	Apri Wiyono, Titi Puspita, Cindy Rianti and Adi Surjosatyo	Effect of Ratio Organic Compounds and Particle Size to Pellet Performance - Pelletizing Combination of MSW and Biomass Feedstocks	Universitas Indonesia, Indonesia
11	P - 41	711	Dieni Mansur, Muhammad Arifuddin Fitriady and Sabar Pangihutan Simanungkalit	Liquefaction of Waste Plastics as a New Method for Fuel Production and Its Upgrading Over Volcanic Ash	Indonesian Institute of Sciences (LIPI), Indonesia
12	P - 42	729	Rudy Ariyanto, Erfan Rohadi, Rosa Andrie Asmara, Imam Fahrurrozi and Nugroho Suharto	The Development and Analysis of a Decision Support System for Student Tuition Fee Policy at Malang State Polytechnic using Multi-Objective Optimization by Ratio Analysis (MOORA) Method	State Polytechnic of Malang, Indonesia
13	P - 43	740	Asep Handaya Saputra and Nadia Huda Apriliana	Polyvinyl Alcohol (PVA) Partially Hydrolyzed Addition in Synthesis of Natural Hydrogel Carboxymethyl Cellulose (CMC) Based from Water Hyacinth	Universitas Indonesia, Indonesia
14	P - 44	764	Kamarza Mulia, Elsa Krisanti and Gitasha A. Putri	Encapsulation of Mangosteen Extract in Virgin Coconut Oil Based Nanomulsions: Preparation and Characterization for Topical Formulation	Universitas Indonesia, Indonesia
15	P - 45	777	Cindy Rianti Priadi, Evelyn Suleeman, Linda Darmajanti, Shanty Novriaty, Nyoman Suwartha, Rina Resnawati, Gita Lestari Putri, Elzavira Felaza and Tri Tjahjono	Water Recycling Opportunity in Business Sector in Greater Jakarta Region, Indonesia	Universitas Indonesia, Indonesia
16	P - 46	785	Dhoni Hartanto, Waliyuddin Sammadikun, Akhmad Sutrisno, Abdul Basit and Ade Surya Siladryanto	Optimization of CaO + H ₂ O Reaction, Cooling Bath NaCl/Ice and Sodium Thiosulfate Clock Reaction in the Prototype of Chem-E-Car SMARTTRONS	State University of Semarang, Indonesia
17	P - 64	46	Heri Suryanto and Rina Irawati	Technical Analysis Feasibility Study on Smart Microgrid System in Sekolah Tinggi Teknik PLN	STT PLN, Indonesia

Poster Session Day 2

Wednesday, July 26, 2017 12.00-13.00

No	ID	Paper #	Author	Title	Afiliation
1	P - 47	795	Witri Wahyu Lestari, Riandy Putra and Bambang Heru Susanto	Green Diesel Production from Palm Oil Using Klaten's Natural Zeolite Modified with Fe Metal Nanoparticle as Heterogeneous Catalyst	Sebelas Maret University, Indonesia
2	P - 48	806	Muhamad Sahlan, Nelson Saksono and Jeffry Lesmana	Urban Bee Concept	Universitas Indonesia, Indonesia
3	P - 49	835	Yuswan Muharam, Lisa Marie Zulkarnain and Nurania Saubryania	Modeling of a Fixed-Bed Reactor Integrated with Distillation Columns for Methanol Dehydration to Produce Dimethyl Ether	Universitas Indonesia, Indonesia
4	P - 50	836	Yuswan Muharam and Aditya Kurniawan	Application of Computational Fluid Dynamic for Non-geometric Scale-up of Stirrer Batch Reactor for Crude Palm Oil Degumming Process	Universitas Indonesia, Indonesia
5	P - 51	843	Sri Hastutya, Hideki Katayama, Eiji Tada and Atsushi Nishikata	Electrochemical Impedance Spectroscopy Characterization of Passive Film of Stainless Steels	Pertamina University, Indonesia
6	P - 52	848	Sri Harjanto, Dede R. Kurnia, Jaka Fajar and Bambang Priyono	Structural Properties of Lithium Titanium Oxides Synthesized from LiOH and TiO ₂ by Solid State Process	Universitas Indonesia, Indonesia
7	P - 53	851	Nelson Saksono, Danar Aditya, Jeremia Jan and Setijo Bismo	Synthesis of Biodiesel Using CPO by Contact Glow Discharge Electrolysis	Universitas Indonesia, Indonesia
8	P - 54	865	Zakaria Jaka Bahari, Eny Kusriani, Sri Harjanto and Nici Trisko	Extraction of Rare-Earth Elements Using Mechanical and Chemical Processes with Oxalic Acid	Universitas Indonesia, Indonesia

9	P - 55	872	Nici Trisko, Eny Kusrini, Sri Harjanto and Zakaria Jaka Bahari	Separation of Lanthanides from Low Grade Bauxite	Universitas Indonesia, Indonesia
10	P - 56	899	Kyungjin Bae, Ting Chen, Dongan Cha and Ohkyung Kwon	Experimental Investigation on the Heat Transfer Characteristics of Zeolite Adsorbent Coated Fin-Tube Heat Exchanger	Korea Institute of Industrial Technology, South Korea
11	P - 57	908	Kamarza Mulia, Andrie and Elsa Krisanti	Effect of Sodium Tripolyphosphate Concentration and Simulated Gastrointestinal Fluids on Release Profile of Paracetamol from Chitosan Microspheres	Universitas Indonesia, Indonesia
12	P - 58	913	Sunaryo, Pradhana S Imfianto, Aldy Syahrihaddin Hanifa	Investigation on the Hull Material for Solar Powered Electrical Sport Boat	Universitas Indonesia, Indonesia
13	P - 59	919	Siswo Sumardiono, Isti Pudjihastuti and Noer Abyor Handayani	The Quality of Analog Rice from Composite Flour: Modified Cassava Flour, Canavalia ensiformis and Dioscorea esculenta Using Hot Extrusion	Diponegoro University, Indonesia
14	P - 60	926	Maya Lestari, Supriyadi Supriyadi, Sholahudin Sholahudin and Nasruddin Nasruddin	Optimization Study of (0,12), (0,15), and (0,18) SWCNT's Chirality on Ideal Pressure Hydrogen Gas Storage: The Implementation of Neural Network Configuration	Universitas Indonesia, Indonesia
15	P - 61	928	Eny Kusrini, Angga Kurniawan Sasongko, Nasruddin Nasruddin, Chairani Shafira Utami and Atik Suhrowati	Synthesis of Graphite-Magnetic Nanoparticles Fe ₃ O ₄ and Its Application as Adsorbent for Carbon Dioxide Gas	Universitas Indonesia, Indonesia
16	P - 62	930	Eny Kusrini, C S Utami, Nasruddin Nasruddin, A Suhrowati and A S Kurniawan	Synthesis and Characterization of Graphite Waste with CeO ₂ Using Mechanically, Thermal and Chemically Methods	Universitas Indonesia, Indonesia