

PROGRAM SCHEDULE

Wednesday, September 09, 2015			
AAC MAIN HALL			
08.00 – 12.00 Opening Ceremony Keynote Speak			
12.00 – 14.00 Break, Lunch, Prayer			
Invited Presentation			
Room	Time	Title	Authors
VIP	14.00 – 14.40 (Invited) Moderator: Dr. Mahidin, ST, MT	Development of simple and cost-effective treatment system for municipal wastewater	Takashi Onodera (Jepang), Kazuaki Syutsubo (Jepang)
		Photocatalytic oxidation in phenol removal using Ru/TiO ₂ and Ru/Al ₂ O ₃ catalysts	Syaifullah Muhammad (Indonesia)
Parallel Presentation			
Room	Time	Title	Authors
Agriculture and Biology			
A	14.50 – 15.50 Moderator : (Dr. Ir. Elly Kesumawati, M.Agric.)	A study on effect of frequency and temperature on dielectric properties of palm oil, sesame oil and their binary blends	Novia Mehra (Indonesia) , Kiyohoko Toyoda (Jepang)
		Chemical Characteristics Of Catchment Area Toba Lake In Gopopan Sub Watersheet Tobasamosir District North Sumatera	Tioner Purba, Erwin Masrul Harahap, Chairani Hanum, Rahmawaty (Indonesia)
		Radiosensitivity And The Influence Of Gamma Rays Irradiation On Local Samosir Shallots	Mariati , Rosmayati, Hasanuddin, and Diana, S.H (Indonesia)
		Extraction of Avocado Oil using Hexane: Effect of flesh cooking	Satriana, Normalina Arpi, Virna Muhardina, M. Dani Supardan, Wan Aida Wan Mustapha (Indonesia)
		Characterization Of Local Lactic Acid Bacteria From Traditional Aceh Fermented Food Jruek Drien	Yulia Sari Ismail, Cut Yulvizar, and Ryan Moulana (Indonesia)
		Application of Different Preservatives in Keeping	Heru Prono Widayat (Indonesia)

		Quality of Fresh Sugar Palm Juice	
		Effect Of Biochar Amendment On Soil Ph And Cec In Pb Polluted Soil	Syarifa Mayly, and Benny Hidayat (Indonesia)
		Architecture, Civil and Mechanical Engineering	
A	16.20 – 17.30 (Invited) Moderator: (Dr. Azmeri)	Design, Development and Testing Of Small-Scale Darrieus Turbines for Canal Applications	Muhammad Ilham Maulana, Ibrahim, Muhajirin and Tjut Nauval Maqbul (Indonesia)
		The possibility in substituting air conditioner with ceiling fan to gain thermal comfort in Indonesian households	Aissa M. Putri (Indonesia)
		Effect of Aggregate Moisture Content on Asphalt-Aggregate Adhesion Characteristic of Warm-mix Asphalt	Firmansyah Rachman (Indonesia), Shih-Hsien Yang (Taiwan)
		A Decision Making Tool for Preliminary Building Design in Indonesia.	Hamdi Akmal Lubis, Gunnar Adams (Germany)
		The Influence of Architectural Element on Urban Road Corridor to the Occurrence of Urban Heat Island	Irfandi (Indonesia)
		Parametric Study of Fatigue Behavior Simulations Using Finite Element Method	Syifaul Huzni, M. Kashah Nasthy, Syarizal Fonna, M. Ridha (Indonesia)

Wednesday, September 09, 2015			
Chemical/Environmental Engineering			
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VIP AAC	14.00 – 14.40 (Invited) Moderator: Dr. Mahidin, ST, MT	Development of simple and cost-effective treatment system for municipal wastewater	Takashi Onodera (Jepang), Kazuaki Syutsubo (Jepang)
		Photocatalytic oxidation in phenol removal using Ru/TiO ₂ and Ru/Al ₂ O ₃ catalysts	Syaifullah Muhammad (Indonesia)
VIP AAC	14.50 – 15.50 Moderator : Dr. Abrar Muslim, ST, M.Eng	Particle size distribution measurement of cement by the buoyancy weighing-bar method	Rondang Tambun (Indonesia), Nofriko Pratama (Indonesia), Ely (Indonesia), Farida Hanum (Indonesia)
		Electrocoagulation Application in The Processing of Palm Oil Mill Effluent from Anaerobic Fixed Bed Reactor	Farida Hanum (Indonesia), Rondang Tambun (Indonesia), M. Yusuf Ritonga (Indonesia)
		Glycerolysis for Lowering Free Fatty Acid of Waste Cooking Oil	M. Dani Supardan (Indonesia), Adisalamun (Indonesia), Yanti Meldasari (Indonesia), Yulia Annisa (Indonesia), Mahlinda (Indonesia)
		Pyrolysis Temperature Effect to the Biochar Product from Chocolate's Fruit Skin (Theobroma cacaoL.)	Abdul Gani Haji (Indonesia), Ibnu Khaldun (Indonesia), Habibati (Indonesia), Muhammad Nazar (Indonesia), Eka Safriana (Indonesia)

		Adsorption of Pb (II) Heavy Metals from Wastewater Using Modified Rice Husk as Adsorbent	Farid Mulana (Indonesia), Abrar Muslim (Indonesia), Pocut Nurul Alam (Indonesia), Mariana (Indonesia)
		Simulation of Continuous Bio-Reactor	Rudy Agustriyanto (Indonesia)
VIP AAC	16.20 – 17.30 Moderator: Dr. Ir. HUSNI Husin, MT	STUDY OF FEASIBILITY OF MEANDG'S (Litsea sp) SAWDUST FOR THE REMOVAL OF CADMIUM FROM SIMULATED AQUEOUS SOLUTION	Muhammad Nazar (Indonesia), Ibnu Khaldun (Indonesia), Kana Puspita (Indonesia), Habibati (Indonesia).
		Uptake of Mercury Ion in a Wetland Plant, Canna Sp.	Suhendrayatna (Indonesia), Henny Marlina (Indonesia), Muhammad Zaki (Indonesia), Elvitriana (Indonesia)
		Effect of Organic Loading Rate on Production of Methane Biogas from Tofu Wastewater Treated by Thermophilic Stirred Anaerobic Reactor	M.Faisal (Indonesia), Asri Gani (Indonesia), Farid Mulana (Indonesia), Hiroyuki Daimon (Jepang)
		Effect of Initial Concentration and Applied Current on the Removal of Fluoride Ion in Electrodialysis	Nasrul Arahman (Indonesia), Sri Mulyati (Indonesia), Mirna Rahmah Lubis (Indonesia), Ryosuke Takagi (Jepang), Hideto Matsuyama (Jepang)
		Adsorption of Heavy Metal Cr (VI) Using Bio-Sorbent of Tea Dregs: Experimental and Modeling	Mariana (Indonesia), Mahidin (Indonesia), Farid Mulana (Indonesia)
		Characteristic and Performance Tests of Membrane PES in Biodiesel Purification by using Ultrafiltration Process	Sri Mulyati (Indonesia), Fachrul Razi (Indonesia), Zuhra (Indonesia), Erna Oktari (Indonesia), Syawaliah (Indonesia).

Thursday, September 10, 2015			
Invited Presentation			
Room	Time	Title	Authors
VIP AAC	09.00 – 09.40 (Invited) Moderator: Dr. Ir. IZARUL Machdar, M. Eng	Homogeneous Catalysis with Mono- and Multinuclear Transition Metal Complexes, Biological and Medicinal Chemistry with Inorganic Compounds, and Precursors for Materials Science.	Prof. Dr. Evamarie Hey-Hawkins Department of Chemistry and Mineralogy Institute of Inorganic Chemistry University Leipzig, Germany
			Dr. I. Istadi Editor in Chief Bulletin of Chemical Reaction Engineering & Catalysis, Chemical Engineering Department, Diponegoro University, Indonesia
Parallel Presentation			
Room	Time	Title	Authors
		Architecture, Civil and Mechanical Engineering	
A		Measurement And Analysis Of Delamination In Drilling Of Meranti Particle Board	Mohd Iqbal, Akram, Muhammad Tadjuddin, Husni, and Afrizal Rizki (Indonesia)
		Mechanical Properties of	Muttaqin Hasan (Indonesia)

	10.00 – 11.00 Moderator : (Dr. Azmeri)	Concrete with Sand Containing Chloride and Sulfate	
		Corrosion Rate of Lightweight Reinforced Concrete Exposed to Artificial Seawater	M. Ridha, S. Fonna, S. Huzni, Abdullah, and R.D.I. Kurnia (Indonesia)
		Evaluation of CP System on Reinforced Concrete Pier Using 3D Boundary Element Method	S. Fonna, M.R. Hidayatullah, S. Huzni, S. Thalib, and M. Ridha (Indonesia)
		Typology at the Construction of Stilted House in Wetland in the West Coast Aceh (Case Study: The Watershed (DAS) Rawa Tripa, Nagan Raya)	Cut Nursaniah, Izziah, and Laila Qadri (Indonesia)
Informatics and Computers			
A	11.10 – 12.15 Moderator: Dr. Taufik F. Abidin, M. Tech	Developing a Web-based Geographical Information System of Tuberculosis Distribution in Banda Aceh City, Indonesia	Viska Mutiawani, Nizamuddin, and Ruzaimi Afrilizar (Indonesia)
		The Impact of Internet on Student Learning Case Study on Sadewa Vocational High School	M. Wahyu Indriyanto, Adhistya Erna Permanasari, Indriana Hidayah (Indonesia)
		Sensitivity Analysis of a New Spectral Response Determination Method	Ira Devi Sara (Indonesia)
		The Development of Preparedness Board Game as a Learning Media for Natural Disaster	Sri Adelila Sari, and Sri Wahyuni (Indonesia)
		Fractional Card Application Development	Juwita, Viska Mutiawani, Zul Firdaus, and Arie Budiansyah (Indonesia)
		A Comparison Of Shewhart And Ewma Control Charts In Detecting Small Average Shifts In A Production Process	Saiful Mahdi, Nurhasanah, and Cut Reza Martha Shella (Indonesia)
		Development Of An Integrated Geospasial For Mining Materials Potential And Renewable Energy Potential In Aceh Province Nizamuddin (Indonesia)	Nizamuddin (Indonesia)
	Pharmacy and Chemistry		
A	14.00-15.00 (Moderator: Dr. Muhammad Dani Supardan, MT.)	The Effect of Time and Temperature Storage on Stability of Meropenem Reconstitution	Yunda Fachrunniza, Fitria Afrina, Sadli, Muhammad Bahi, Gunawan Indrayanto and Rinaldi Idroes (Indonesia)
		Identification of Phase and Particle Size of Narcotic drugs Using X-Ray Diffraction (XRD)	Julinawati, Rahmi, Delfiendra, Rossy Amal Sholih (Indonesia)
		Adsorption Studies of Cd(II) by Crosslinked Chitosan-Coated Cristobalite (CC-CC)	Rahmi, Fathurrahmi, Arie Purnaratrie and Irwansyah (Indonesia)
		Preparation and Characterization of biodegradable plastics from LDPE/Janeng starch blends	Hira Helwati, Sitti Saleha, Wisnarni, and Saiful (Indonesia)
		Removal of Selective Paddy Field Herbicide via Synergistic Photocatalytic-Adsorptive Process	Lelifajri (Indonesia)
		Forward Osmosis Membrane As New Approach In Water	Saiful, Marlina, dan Melisa (Indonesia)

		Desalination	
		Colorimetric Chemical Sensors for Mercury (II) Ions Detection	Zarlaida Fitri, and Adlim (Indonesia)
		Chemistry	
	15.00-16.00 (Dr. Saiful, M.Si.)	Synthesis and Characterization of TiO ₂ -pillared Bentonite and their Application for Indigo Carmine Adsorption	Surya Lubis, Sheilatina, Vicky Praja Putra and Syahrinta (Indonesia)
		Nickel Supported Natural Zeolite as a Bifunctional Catalysts for Conversion of Citronella Oil to Menthols	S. Tursiloadi, R. Pertiwi, A. A. Litiáz, I. B. Adilina and K. Sembiring (Indonesia)
		Comparison of ethanol yield using local strain yeast and yeast commercial in SSF process for bioethanol production from bagasse sorghum	Dian Burhani, Vera Barlianti, Joko Waluyo, Yanni Sudyani (Indonesia)
		Water physical and chemical properties in the gold mining area at Geumpang, Pidie Regency	Muhammad Nasir, Iqbar, Saiful, Suhendrayatna (Indonesia)
		Test of antifungal activity of tuber extract Myrmecodia pendens toward the growth of Candida albicans	Munira, Maisarah and Muhammad Nasir (Indonesia)
		Optimization of Cacao DNA Isolation with Maceration in Several Solvents	Fitdha Khaira Dini, Essy Harnelly, Zairin Thomy, and Siti Hafsa (Indonesia)

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			Dr. I. Istadi Editor in Chief Bulletin of Chemical Reaction Engineering & Catalysis, Chemical Engineering Department, Diponegoro University, Indonesia
	10.00 – 11.00 Moderator : Dr. M. Faisal, ST, M.Eng	Alkaline Pretreatment Effect on Sweet Sorghum Bagasse for Bioethanol Production	Yanni Sudyani (Indonesia), Eka Triwahyuni (Indonesia), Dian Burhani (Indonesia), Joko Waluyo (Indonesia), Anny Sulaswaty (Indonesia), Haznan Abimanyu (Indonesia).
		Effect of Static extraction time on Extraction Efficiencies using On-line Supercritical Fluid Extraction-High Performance Liquid Chromatography for Lipolipoquinone Analysis in Activated Sludge	Ni Luh Gede Ratna Juliasih (Jepang), Lee Chang Yuan (Jepang), Yoichi Atsura (Jepang), Hirotsugu Kamahara (Jepang), Hiroyuki Daimon (Jepang)
		Properties Of Carbon Black	N.A. Sri Aprilia (Indonesia), H.P.S. Abdul

		From Jatropha Seed Shell As A Potential Source Of Filler Enhancement In Biocomposites	Khalil (Malaysia), Md. Nazrul Islam (Malaysia), Amri Amin (Indonesia)
		-SITOSTEROL FROM BARK OF ARTOCARPUS CAMANSI AND ITS ANTIDIABETIC ACTIVITY	Rosnani Nasution (Indonesia), Marianne (Indonesia), Muhammad Bahi (Indonesia), Nurdin Saidi (Indonesia), Isnijunita (Indonesia)
		Extraction of Nickel(II) and Zink(II) by Using A Solvent Impregnated Resin Containing 1-Nitrophenyl-3-methyl-4-octylbenzoyl-5-pyrazolone	Ibnu Khaldun (Indonesia), Rusman (Indonesia), Muhammad Nazar (Indonesia)
VIP AAC	11.10 – 11.40 Moderator: Dr. Nasrul Arahman, ST, MT	BIOPOLYMER FROM STARCH AND CHITOSAN AS BIOPLASTIC MATERIAL FOR FOOD PACKAGING	Umi Fathanah (Indonesia), Mirna Rahmah Lubis (Indonesia), Ryan Moulana (Indonesia)
		Biodegradable Plastic from Cassava Waste using Sorbitol as Plasticizer	Wahyu Rinaldi (Indonesia), Mirna Rahmah Lubis (Indonesia), Umi Fathanah (Indonesia)
		Use of G3-DHS Bioreactor for Secondary Treatment of Septic Tank Desludging Wastewater	Faisal (Indonesia), Izzatul Machdar (Indonesia), Syaifullah Muhammad (Indonesia), Takashi Onodera (Jepang), Kazuaki Syutsubo (Jepang).