

SCIENCES AND ENGINEERING PARALLEL SESSION
FLAMBOYAN ROOM, 2nd Floor
Wednesday, 22nd October 2014

Time	Title	Authors
14.00-15.20 (Moderator: Dr. Saiful)	Wastewater characteristics from Tofu Processing Facilities in Banda Aceh	M. Faisal (<i>Syiah Kuala University, Indonesia</i>), Farid Mulana (<i>Syiah Kuala University, Indonesia</i>), Pocut Nurul Alam (<i>Syiah Kuala University, Indonesia</i>) and Hiroyuki Daimon (<i>Toyohashi University of Technology, Japan</i>)
	Determination Of Platinum Group Elements (PGE) In Soil And Grass Using ICP-MS In UKM Engineering Lake	Rindi Genesa Hatika (<i>Pasir Pengaraian University, Indonesia</i>)
	Effect of Plasticizer and Fermentation Time on Cellulose Membrane Production and Analysis of Material Property	Faridah (<i>State Polytechnics of Lhokseumawe, Indonesia</i>), Alfian Putra (<i>State Polytechnics of Lhokseumawe, Indonesia</i>), Elwina (<i>State Polytechnics of Lhokseumawe, Indonesia</i>), M. Sami (<i>State Polytechnics of Lhokseumawe, Indonesia</i>) and Nur Azizah (<i>State Polytechnics of Lhokseumawe, Indonesia</i>)
	Antifungal Properties of Cassava-Starch Edible Film Incorporated with <i>Cymbopogon citratus</i> Essential Oil	Yulia Annisa (<i>Syiah Kuala University, Indonesia</i>), Ismail Sulaiman (<i>Syiah Kuala University, Indonesia</i>), Novi Safriani (<i>Syiah Kuala University, Indonesia</i>) and M. Dani Supardan (<i>Syiah Kuala University, Indonesia</i>)
16.00-17.00 (Moderator: Dr. Nasrul AR)	The Effect of MA/MAPE Combination as Coupling Agent in Formation of Rice Husk and Recycled HDPE-Based Composites	Farid Mulana (<i>Syiah Kuala University, Indonesia</i>)
	Lysozyme Separation by MP500 Mixed Matrix Membrane	Saiful (<i>Syiah Kuala University, Unsyiah Indonesia</i>)
	High Density Polyethylene (HDPE) – Oil Palm Empty Fruit Bunch Filled Micro Composites Using Melt Blending Process	Zulnazri (<i>Malikussaleh University, Indonesia</i>), Suryati (<i>Malikussaleh University, Indonesia</i>), Azhari (<i>Malikussaleh University, Indonesia</i>), Wirjosentono, B. (<i>Sumatera Utara University, Indonesia</i>) and Halimatuddahlana (<i>Sumatera Utara University, Indonesia</i>)

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08.40-10.00 (Moderator: Dr. Abrar Muslim)	Tidal Analysis at Kuala Langsa and Pusong Island using Admiralty Methods	Annisa Sri Sugiarti (<i>Syiah Kuala University, Indonesia</i>), Marwan (<i>Syiah Kuala University, Indonesia</i>) and Ichsan Setiawan (<i>Syiah Kuala University, Indonesia</i>)
	Fault Modelling Based on Local Magnetic Anomaly Data in Geothermal Prospect Area Rajabasa Lampung	Ika Daruwati (<i>Pasir Pengaraian University, Indonesia</i>)
	Simulation of the crosswind and the steam addition effect on the flare flame	Wusnah (<i>Malikussaleh University, Indonesia</i>), Yunardi (<i>Syiah Kuala University, Indonesia</i>), Novi Sylvia (<i>Malikussaleh University, Indonesia</i>), Elwina (<i>State Polytechnics of Lhokseumawe, Indonesia</i>) and Yazid Bindar (<i>Bandung Institute of Technology, Indonesia</i>)
	Performance of A Double-Junction Solar Cell under Various Environmental Conditions	I.D. Sara (<i>Syiah Kuala University, Indonesia</i>)
10.30-12.10 (Moderator: Dr. Taufik Fuadi Abidin)	A Semi Analytical Solution of Boussinesq Equation Using Asymptotic Method	Cut Dini Syahrani (<i>Syiah Kuala University, Indonesia</i>), Marwan Ramli (<i>Syiah Kuala University, Indonesia</i>) and Said Munzir (<i>Syiah Kuala University, Indonesia</i>)
	CFD Analysis of Efficiency and Pressure Drop in A Gas-Liquid Square Cyclones Separator	Novi Sylvia (<i>Malikussaleh University, Indonesia</i>), Yunardi (<i>Syiah Kuala University, Indonesia</i>), Elwina (<i>State Polytechnics of Lhokseumawe, Indonesia</i>), Wusnah (<i>Malikussaleh University, Indonesia</i>) and Yazid Bindar (<i>Bandung Institute of Technology, Indonesia</i>)
	Automation and Optimization Design-Analysis of The Wing On Aerodynamic and Structure Aspect Respectively	I. G.N. Sudira (<i>Bandung Institute of Technology, Indonesia</i>), Bambang K. Hadi (<i>Bandung Institute of Technology, Indonesia</i>), M. Agoes Moelyadi (<i>Bandung Institute of Technology, Indonesia</i>) and Djarot Widagdo (<i>Bandung Institute of Technology, Indonesia</i>)
	Effect of Combination of Dispersion and Non Linear Term to Downstream Running Non Linear Water Waves	Marwan Ramli (<i>Syiah Kuala University, Indonesia</i>), T. Khairuman (<i>Syiah Kuala University, Indonesia</i>) and Said Munzir (<i>Syiah Kuala University, Indonesia</i>)
	Design of Prototype for Online Disaster Multimedia Data	Roslidar (<i>Syiah Kuala University, Indonesia</i>), Yudha Nurdin (<i>Syiah Kuala University, Indonesia</i>) and Nasaruddin (<i>Syiah Kuala University, Indonesia</i>)

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14.00-14.40 (Moderator: Dr. M. Dani Supardan)	Evaluation of Social Impact of Traffic Noise in Amman, Jordan	Khair Jadaan (<i>University of Jordan, Jordan</i>), Hala Gammoh (<i>University of Jordan, Jordan</i>), Rami Ammourah (<i>University of Jordan, Jordan</i>) and Zaina Al-Nabulsi (<i>University of Jordan, Jordan</i>)
	Analysis for Ground Anchor Using 2D Simulation Model by MIDAS/GTS Software	Munira Sungkar (<i>Chung Hua University, Taiwan</i>) and Jason Wu (<i>Chung Hua University, Taiwan</i>)