Table of Contents

Session 1

Environmental Communication Model of Land Burning Phenomena at Lowland Area (Phenomenology Studies About Land Burning at Lowland Area Farmers in South Sumatra, Indonesia) <i>Thirtawati</i>	1
Analysis of Factors Influencing Plasma Farmer to Adopt Cattle and Palm Oil Integrated System In South Sumatra, Indonesia Riswani, Andy Mulyana and Yunita	6
Land Optimalization for Food Security (The Case of Rural Community nearby an Industrial Forest Company of PT. MHP) in South Sumatra <i>Dwi Wulan Sari</i>	10
Developing Local Wisdom as the Basic of Integrated Extension Model in Paddy Cultivation at Lowland Ecosystem in South Sumatra <i>Yunita and Yulian Junaidi</i>	15
The Impact of Palm-oil Price Fall on Labor-use Optimalization and Household Income of Oil Palm Farmers in Ogan Komering Ilir District of South Sumatra Lifianthi, Maryati Mustofa Hakim and M. Yamin	20
Session 2	
The Preliminary Investigation on The Dredged Marine Sediment of Kuala Perlis as A Potential Brick Material Wan Safizah Wan Salim, Nur Asmaliza Mohd Noor, Siti Fatimah Sadikon, Mohd Fadzil Arshad, Norlizan Wahid, Samsuri Mohd Salleh	25
Green Technology for One-step Production of Alkyl Glycosides UsingCyclodextrin Glycosyltransferase from Paenibacillus sp.RB01 Kasinee Katelakha and Manchumas Hengsaku Prousoontorn	30
Identification of Anthropogenic Influences on Water Quality of Aras River by Multivariate Statistical Techniques Ebrahim Fataei, Saeed Mosavi and Ali Akbar Imani	35
Designing Storage, Collection and Transportation System of Municipal Waste Seiiedtaghi Seiiedsafavian and Ebrahim Fataei	40
Sustainable Cement Production of Cement Industry by MFA, LCA and MFCA as a Preliminary Design of Eco-City in Indonesia Nova Ulhasanah and Naohiro Goto	46
Session 3	
Polyphosphate Removal from Synthetic Wastewater by Electrochemical Process D Rabbani, MB Miranzadeh, S Dehghan and F mahdizad	51
Preliminary Assessment of Economic Feasibility for Establishing a Households'	
E-waste PC Dismantling and Sorting Facility in Serang, Indonesia Pertiwi Andarani and Naohiro Goto	56

Export-Import Of Sugar In Asean Countries And The Impact To Indonesia Sugar Market Desi Aryani	61
Public Participation of Disadvantaged Communities in Water Management: A Case Study of the Msunduzi Catchment Management Forum of South Africa Boakye MK and Akpor OB	67
Kinetics of Anaerobic Digestion of Water Hyacinth, Poultry Litter, Cow Manure and Primary Sludge: A comparative Analysis Srinidhi Adiga, Ramya R, Shankar B B, Jagadish H Patil and Geetha C R	73
Session 4 Greenhouse Gas Emission and Economic Evaluation from Municipal Solid Waste Landfill in Thailand <i>Tubtim Pattharathanon, Sirintornthep Towprayoon and Komsilp Wangyao</i>	79
Effect of External Pressure on the Efficacy of Ultrasonic Pretreatment of Sludge Ngoc Tuan LE, Berthe RATSIMBA, Carine JULCOUR-LEBIGUE, Henri DELMAS	86
Using Open Source GIS for Development of Internet Geographic Information System: A Case study for Thai Herb Database in Phatthalung Province <i>Tavib Jungialern, Onjira Sitthisak and Waraporn Tanongsak</i>	95
Capability Evaluation of Satellite Images (IRS) in Total Cadmium Density Identification of Sarkhun Plain's Topsoil (Bandar-e-Abbas) Hamed Ghasemi,, Mehdi Naderi Khorasgani, Jahangard Mohamadi, Ali Sakhaee and Mohamad Hosein Zade	101
Model-based Automated GUI Testing For Android Web Application Frameworks Sutasinee Methong	106
Session 5	
Comparative Analysis of Effect of Psychological Factors on Visual Comfort in a Green and Conventional Office Building Yakubu Aminu Dodo, Mohd Zin Kandar, Muhammad Babale Girei, Ahmed Yahaya Abdul and Jallaludeen Mu'azu	111
Wet and Bulk Precipitation Chemistry at Urban Area in Karnataka, India Shivashankara G.P. and Nagendra Prasad.B.C.	116
pH and Chemical Composition of Bulk Precipitation - Karnataka, India Shivashankara G. P. and Sharmila G.V.	121
Flood Hazard Assessment of the Eastern Region of Bangkok Floodplain, Thailand Yuddhana Keokhumcheng and Tawatchai Tingsanchali	125
Online Detection and Analysis System for Air Pollution Hot Spots in Turkey Eray Ozkan, Huseyin Ozdemir, C. Okan Sakar, Göksel Demir, Alper Unal and Tayfun Kindap	131
Session 6	
Analysis of Environmental Pollution Status in Isfahan City Mehdi Momeni	136
Sub-Lethal Effects of Herbicide Paraquat on Hematological Parameters of Benny Fish	141

Mesopotamichthys Sharpeyi Alireza Safahieh, Yaqub Jaddi, Vahid Yavari and Reza Saligheh Zadeh

Author Index

147