

# PROGRAM BOOK



**ICB**  
INTERNATIONAL  
CONFERENCE  
ON BIOMASS  
**2018**

# INTERNATIONAL CONFERENCE ON BIOMASS **2018**

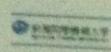
Accelerating the Technical Development  
and Commercialization for Sustainable  
Bio-based Products Energy

**1-2 AUGUST 2018**  
**SALAK TOWER HOTEL, BOGOR - INDONESIA**

Organized by :



Supported by :



Sponsored by :



**INDOCEMENT**  
HEIDELBERG CEMENT Group

(BRS)

## CONTENTS

Message from Chairman of Organizing Committee	1
Profile of SBRC	2
Contents	3
Conference Program	11
Abstract of Papers	27
• Oral Presentation	
✓ Technology Production of Bioenergy	
✓ Biomaterial & Biochemical	
✓ Feedstock, Environment, Sustainability, Policy	
✓ Management, Business, Economy, ICT, Other Products/Applications	
• Poster Presentation	

<b>Production of Broiler Chicken Carcass Fed on Rice Bran Biomass on Different Marketed Ages</b> Harapin Hafid, Rahman, Yana Wati, Inderawati, and Nuraini.....	106
<b>Product Development of Chocolate with Quality Function Deployment Approach: A Case Study in SMEs Chocolate Industry in Indonesia</b> Humiras Hardi Purba, M. Syamsul Maarif, Indah Yuliasih, and Aji Hermawan .....	107
<b>Eco-efficiency Alternative Fuel in Cement Industry (Case Study in PT. Indocement Tunggal Prakarsa, Tbk. Citeureup-Bogor, Jawa Barat)</b> Ratna Sari Hasibuan, Erliza Noor, and Mohamad Yani .....	108
<b>The Mapping of Agroindustry Based on Cassava</b> Fitriani, Bina Unteawati, Zainal Mutaqin, Sutarni .....	109
<b>Improvement of Cassava Bagasse Flour Characteristics to Increase Their Potential Use as Food</b> Beni Hidayat, Udin Hasanudin, Siti Nurjanah, Neti Yuliana .....	110
<b>Development of Processing Technology of High-Protein Cassava Flour Made from High-Cyanide Cassava</b> Syamsu Akmal, Beni Hidayat, M. Muslihudin .....	111
<b>Analysis of Energy Gap and The Refractive Index of Barium Strontium Titanate (Ba<sub>0.2</sub>Sr<sub>0.8</sub>TiO<sub>3</sub>) Films doped of Chlorophyll from Green Leafy Vegetables</b> Endah Kinarya Palupi, Husin Alatas, Irzaman .....	112
<b>Extraction and Characterization of Silicon Dioxide from Rice Straw</b> Nazopatul PH, Irmansyah, Irzaman.....	113
<b>Formulation and Storage Stability of Nanoencapsulated <i>Proteus penneri</i> and <i>Bacillus aerophilus</i></b> Yolandi Irvan Pratama Misto, Misto, Ruth Desi Mery Christina Sitorus, Indah Dwi Permatasari, Erliza Noor, Titi Candra Sunarti .....	114
<b>Characteristics of Organonitrofos Fertilizer made from Agricultural Wastes with Addition of Oil Palm Empty Fruit Bunch (EFB) Formerly used to Grow Rice Straw Mushroom (<i>Volvarealla volvacea</i>)</b> Sugeng Triyono, Agus Haryanto, Mareli Telaumbanua, Tri Wahyu Saputra, Dermiyati and Jamalam Lumbanraja .....	115
<b>Dragon Fruit Freshness Detector Based on Methyl Red Colour Indicator</b> Endang Warsiki and Nisrina Rofifah .....	116
<b>Interaction and Public Perception on Utilization of Cisadane's Watershed Natural Resources</b> Messalina Lovenia Salampessy, Indra Gumay Febryano, Dini Zulfiani and Harmoko Sukayat .....	117
<b>Participatory Village Spatial Planning in Efforts to Save Conservation Areas in Mantan village, Semitau Sub-district, Kapuas Hulu District</b> Amandus Jong Tallo .....	118
<b>Chlorophyll, Ascorbic Acid and Total Phenolic Contents of Sweet Potato Leaves as Affected by Minimum Postharvest Handling Treatment</b> Siti Nurdjanah.....	119
<b>Influence of Types of Fatty Materials and Addition of Sugar Concentration on Fruit Leather Quality from Albedo Dragon Fruit (<i>Hylocereus polyrhizus</i>)</b> Dina Mardhatilah, Ida Bagus Banyuro Partha, Herra Hartati .....	120

Time	Parallel 3 : Feedstock, Environment, Sustainability, Policy		Parallel 4 : Management, Business, Economy, ICT, Other Products/Applications	
	Paper	Author Name	Paper	Author Name
	versteegii (Gilg) Domke in Lombok. (103)		wastes with addition of Oil Palm Empty Fruit Bunch (EFB) formerly Used To Grow Rice Straw Mushroom (Volvarealla volvacea). (137)	Telaumbanua, Tri Wahyu Saputra, Dermiyati and Jamalam Lumbanraja
11.30 - 13.00	Lunch Break			
13.00 - 14.15	<b>Session 4</b> <b>Moderator</b> <b>Didiek Hadjar Gunadi</b>		<b>Moderator</b> <b>Ahmad Zuhairi Abdullah</b>	
	56. Technical Efficiency of Palm Oil Plantation in Lampung, Indonesia. (17)	Bambang Utoyo and Clara Yolandika	77. Dragon Fruit Freshness Detector Based on Methyl Red Colour Indicator. (45)	Endang Warsiki and Nicrina Rofifah
	57. The Effect Fogging of Corn Kernels to Maize Weevil, Sitophilus zeamais Population. (20)	Muhamad Iqbal Munir, Vonda Bimantara, Syahrul Mubarok , Iman Rohimin and Haris Setyaningrum	78. Interaction and Public Perception on Utilization of Cisadane's Watershed Natural Resources. (42)	Messalina Lovenia Salampessy, Indra Gumay Febryano, Dini Zulfani and Harmoko Sukayat
	58. Growth and Resin Production Structure of Pinus merkusii Under Different Environment Condition (Case study in Perum Perhutani	Arida Susilowati and Henti Hendalastuti Rachmat	79. Participatory Village Spatial Planning in Efforts to Save Conservation Areas in Mantan village, Semitau Sub-district, Kapuas Hulu District. (55)	Amandus Jong Tallo

## Interaction and Public Perception on Utilization of Cisadane's Watershed Natural Resources

Messalina Lovenia Salampessy<sup>1</sup>, Indra Gumay Febryano<sup>2</sup>, Dini Zalfiani<sup>3</sup> and  
Harmoko Sukyat<sup>4</sup>

<sup>1</sup> Faculty of Forestry, University of Nusa Bangsa, Bogor, Indonesia

<sup>2</sup> Departement of Forestry, Faculty of Agriculture, University of Lampung,  
Bandar Lampung, Indonesia

<sup>3</sup> Departement of Public Administration, Faculty of Social and Political Science,  
University of Mulawarman, Samarinda, Indonesia

<sup>4</sup> Faculty of Economy, University of Nusa Bangsa, Bogor, Indonesia

\*Correspondent Author: meis\_forester@yahoo.com

**Abstract.** Border communities in the watershed upstream of Cisadane have a variety of activities in the utilization of natural resources around them. The community interaction is correlated with the perceptions of local communities. The purpose of this study is to describe and explain the form of community interaction and the public perception of the use of natural resources in the surrounding watershed. This study uses a case study approach. Data were collected through questionnaires, in-depth interviews and observations. The results showed that various forms of community interaction were settlement in river border, micro-economic activity, land use for garden and rice field and sand mining. Public perceptions towards watersheds shows that 30.76% understand about the concept of watersheds while 50% of them do not understand about the utilization of the potential of natural resources around the watersheds. Government and related parties are expected to make various policies in the utilization of natural resources that uphold the aspect of sustainability of watershed functions.