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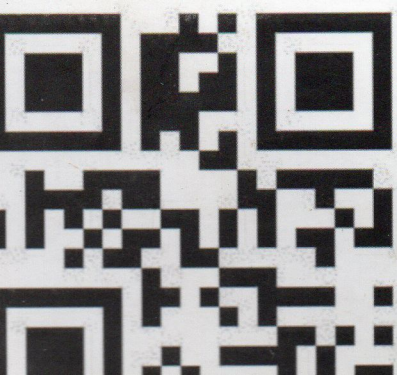
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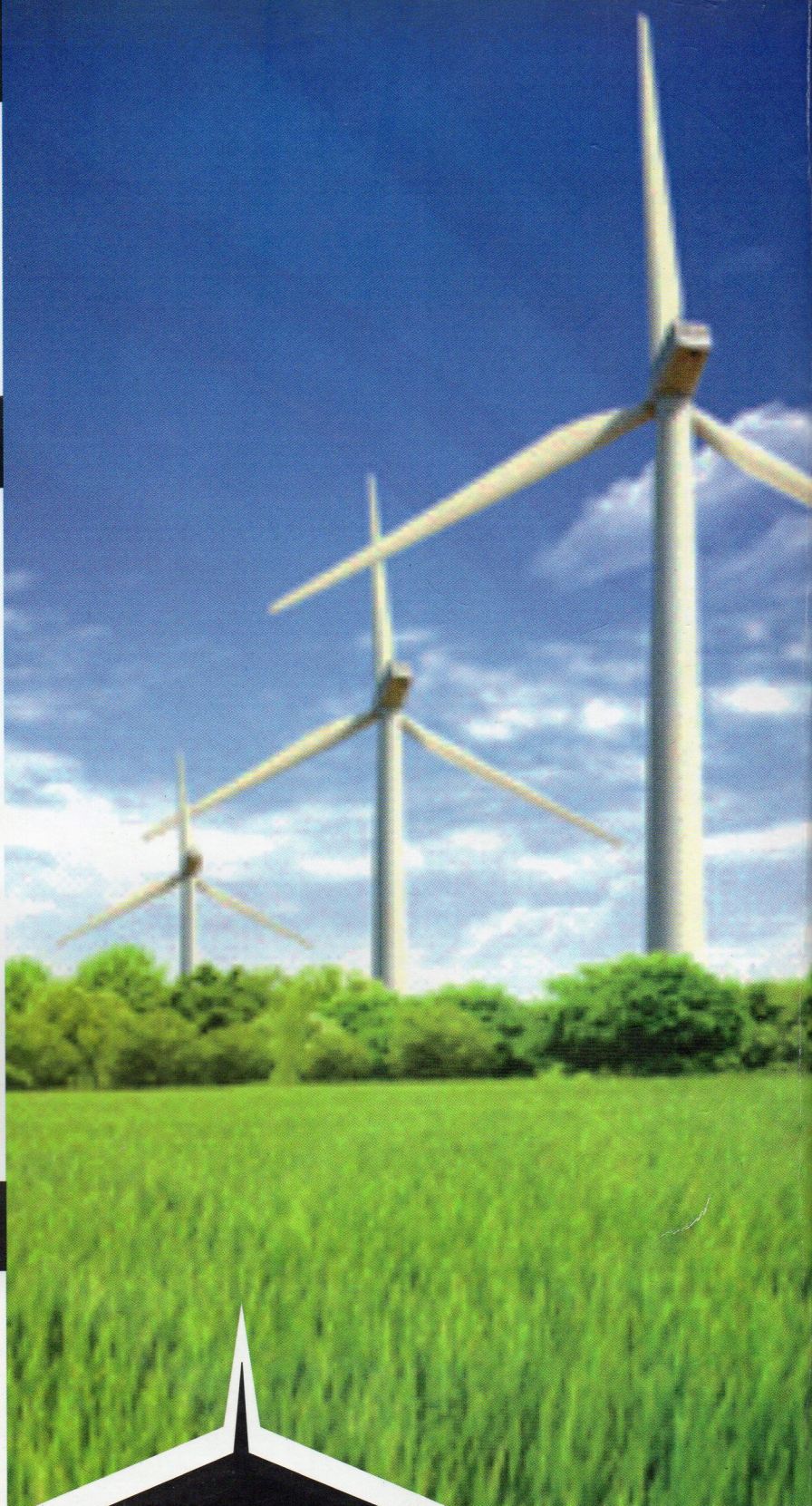


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SAFE

International Conference - Sustainable Agriculture, Food and Energy



3rd International Conference of Sustainable Agriculture, Food, and Energy **SAFE2015**

November 17-19, 2015
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“Fostering Multi-stakeholder Collaboration on Sustainable
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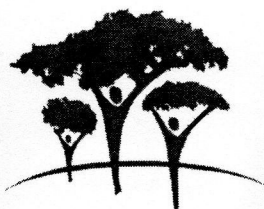
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SA-2	I Dewa Nyoman Sudita* , I Gede Mahardika , I Wayan Suarna and I.B. Gaga Partama *Faculty of Agriculture, Warmadewa University, Denpasar, Bali, Indonesia Postgraduate Husbandry Science Program, Udayana University, Denpasar, Bali, Indonesia. corresponding author : dewasudita@yahoo.com	INDONESIA	Analysis of Feed for Digestibility Bali Cattle Cow in Group Program 'Simantri' in Bali on Different Topographic
SA-63	Ketut Irianto Faculty of Agriculture, Warmadewa University, Bali, Indonesia corresponding author : iriantoketut@yahoo.co.id	INDONESIA	Fertilizer Raw Material Production of Activated Sludge Wastewater Treatment Process Results Conventional
SA-64	Etti Swasti and Nurwanita Ekasari Putri Faculty of Agriculture, Andalas University, West Sumatera, Indonesia corresponding author : ettiswasti@faperta.unand.ac.id	INDONESIA	Variability of Protein Content in Some Local Red Rice cultivars from West Sumatera Indonesia
SA-65	P.K Dewi-Hayati, Sutoyo, and Teguh Prasetyo Faculty of Agricultural, Andalas University, West Sumatera, Indonesia corresponding author : pkdewihayati@yahoo.com	INDONESIA	General and Specific Combining Ability for Maize Yield in A Diallel Cross Under Three Environments
SA-66	Musthofa Lutfi, Anifatul Baroroh, Wahyunanto Agung N Department of Agricultural Engineering, University of Brawijaya, Malang, Indonesia. E-mail : lutfi@ub.ac.id	INDONESIA	Performance Testing of Organic Planting Bag for Woody Plants Seedlings
SA-67	Wahyunanto A. Nugroho, Fatma R. Nurlaili, Yusuf Hendrawan, Bambang D. Argo Department of Agricultural Engineering, Brawijaya University, Indonesia corresponding author : wahyunanto@ub.ac.id	INDONESIA	Effect of Growth Promoting Bacteria on the Growth Rate and Lipid Content of Microalgae <i>Chorella sp</i> in Sludge Liquor of Anaerobic Digester of Dairy Manure

[2] AGRICULTURE AND ENVIRONMENT (AE)

SUB-THEME	Author (s)	COUNTRY	Title
AE-01	Nurpilihan Bafdal, Sophia Dwiratna NP, Kharistya Amaru Soil and Water Engineering Laboratory, Department of Agriculture Engineering Padjadjaran University, e-Mail : nurpilihanbafdal@yahoo.com; dwiratnasophia@gmail.com; kharistya@unpad.ac.id	INDONESIA	Design Model of Runoff Management Integrated Farming on Dryland Agriculture in West Java, Indonesia
AE-02	Steve Déry (Associate Professor, Laval University), Saithong Phommavong (National University of Laos, Vientiane), Nguyen Ngoc Thuy (Nong Lam University, Thu Duc) and Somkhit Boulidam (National University of Laos, Vientiane) Main contact: S. Déry, Département de géographie Dwilling, Abitibi Price, 2105, rue de la Terrasse, Local 2167	CANADA	A New Geographical Organization on Mountainous Margins of Laos and Vietnam: A Comparative Analysis of How Agricultural Changes Differentiate Integration and

SA-63

Fertilizer Raw Material Production of Activated Sludge Wastewater Treatment Process Results Conventional

Ketut Irianto

Faculty of Agriculture, Warmadewa University, Bali, Indonesia

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Abstract: Suspended solids in the effluent MLSS (mixed liquid suspended solid) or often called organic nutrient ingredient (activated sludge) is a result of fertilizer raw materials and treatment processes of wastewater treatment technologies. Through the stages of the process and waste water treatment technology that consists of physical treatment, chemical, biological, such as filtration, Flotation, sedimentation, chlorines, coagulation and regulate environmental conditions such as the addition of 6-9 hours of oxygen, 35% recirculation, nutrient addition of 0.24 g /g BOD/day/g MLSS, sludge age of 8.2 days, will produce the raw material quality of the effluent BOD efficiency 88%, efficiency 17% total solids, suspended solids of 78% efficiency and the parameters of BOD, COD, TSS, ammonium, nitrate, nitrite tends to decline. The whole process of these technologies will produce the quantity and quality of fertilizer raw materials in the form of suspended solids in the effluent of about 640 kg / day of elemental nitrogen containing 375 kg/day of elemental phosphorus and 75 kg/day. The results showed that the fertilizer raw material from the conventional technology affect the growth and yield of mustard (*Brassica juncea* L.) and safe for consumption.

Keywords : fertilizer raw material, activated sludge wastewater.



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Ketut Irianto

Faculty of Agriculture, Warmadewa University

E-mail: iriantoketut@yahoo.co.id

Dear colleague,

Acceptance to present a paper for the conference

Thank you for submitting an abstract entitled:

**FERTILIZER RAW MATERIAL PRODUCTION OF ACTIVATED SLUDGE
WASTEWATER TREATMENT PROCESS RESULTS CONVENTIONAL**

for the International Conference-Sustainable Agriculture, Food and Energy (SAFE2015).

We are pleased to inform you that the committee has decided that your paper has been accepted for oral presentation in this conference. The full paper is optional. If you want to publish your paper in SAFE2015, official journal, you must submit their original and unpublished full papers through the 3rd International Conference Sustainable Agriculture, Food, and Energy (SAFE2015) using EasyChair for SAFE2015 Submission System at <http://safe2015.safetainability.org> or by e-mail to: safetainability2013@gmail.com.

If you want to publish in IJASEIT, your manuscript is strictly limited to 4-10 pages of A4 paper in single space using Template_SAFE2015. The deadline for full paper submission is 15th September 2015.

Thank you very much and looking forward to seeing you in Ho Chi Minh City!

Yours sincerely,



Assoc.Prof. Dr. Nguyen Hay
SAFE2015 Chairman

Dr. Novizar Nazir
Executive Chairman of SAFE 2015
SAFE-Network Coordinator