

CONTENTS

Foreward

Schedule of International Seminar-Workshop

Committee of International Seminar-Workshop

KEYNOTE PAPER

PALEMBANG WATER FRONT CITY AND PALEMBANG THE INTERNATIONAL CITY 2013

Ir. Eddy Santana Putra, MT. (City Major of Palembang)

POLICY AND REGULATION ON LOWLAND DEVELOPMENT IN INDONESIA

Dr. Jaya Murni Warga Dalam (Director of Swamp and Coastal Area)

DEVELOPING AND CONSERVING BANYUASIN TOWARDS AN INDEPENDENT, SELFHELP AND SUSTAINABLE DISTRICT

Amiruddin Inoed (The Head of Banyuasin District, South Sumatra, Indonesia)

Parallel Session Presentation

A. Presentation in Room I

- A1. Land and Water Management in Peat Swamp Lands of Indonesia (*Ad van den Eelaart*)
- A2. Regeneration Options for Peat Forest Case Study in Merang Kepayang, South Sumatera, Indonesia (*Ahmad Fadlan, FX. Suryadi, Robiyanto H.Susanto, Bart Schutz*)
- A3. The Exploration and Identification of the Parasitoid of the Eggs of the Rice Bug (*Leptocorisa* spp.) (Hemiptera:Alydide) in Some Centers of Rice (*Oryza sativa* L.) Farming in the Lowland Swamp of South Sumatera (*Riyanto, Herlinda, S.Umayah, A, Irsan C.*)
- A4. Diversity Of River And Floodplain Fish: Potency, Threat, And Conservation (*Husnah*)
- A5. The status of mangrove ecosystem: Reforested of *Rhizophora Apiculata* Bl. and natural mangrove forest in Riau (*Sarno, Rujito A. Suwignyo, Munandar, Zulkifli Dahlan, Moh. Rasyid Ridho*)
- A6. Spatial Analyses of Land Use Changing in Tidal Lowland Areas (A Case Study of Saleh Delta Areas in Banyuasin District, South Sumatera) (*Armanto E., Syahrial, R.H. Susanto, Dwi Probowati S.*)
- A7. The Effects of A Modified Tertiary Water Management Systems on Water Circulation at Pinang Dalam Tidal Irrigation Scheme - West Kalimantan (*L. Budi Triadi*)
- A8. Water Management Approach for Developing Agriculture in Acid Sulfat Soil (*Budi Raharjo, Tumarlan Thamrin, NP. Sri Ratmini*)

- A9. Feeding Habits and Length-Weight Relation of Senangin Fish (*Eleutheronema tetradactylum*)(Shaw) Caught in Sungsang Waters, South Sumatera (Moh. Rasyid Ridho, MF. Rahardjo, Ade Yusni Franata)
-

B. Presentation in Room II

- B1. Water Management and Flood Protection of Agropolitan Gandus For Agriculture Development (RA. Marlina Sylvia, FX., Suryadi, RH.Susanto, Bart Schultz)
- B2. Strengthening The Local Economic Institution of Fisheries Village Community in Banten Province (Samadi)
- B3. Ecotourism for Rural Development and Environmental Restoration in The Lowland Area of Jeneberang River Basin, District of Gowa, South Sulawesi Province (Muhammad Nathan)
- B4. The Diversity of Bacteria and its Pontentions from Nipah Mangrove Sediment (*Nypa fruticabs Wurmb.*) at Pulau Rimau District in Banyuasin, South Sumatera (Dwi Puspa Indriani, Hary Widjajanti, Desy Mayasari)
- B5. Illegal Logging Study on Land Areas Gambut in Forest Merang Kepayang (Lulu Yuningsih dan Solihin)
- B6. Threatening of Food Security in South Sumatera Due to Land Conversion of Rice Field to Oil Palm (A Case Study in Telang II Tidal Lowlands Reclamations Areas of Banyuasin District of Indonesia)(Bakri, Purnomo, R.H., Imanudin, M.S.)
- B7. Citrus/Orange Pamelo Development Guideline at Betasuka Area, District of Magetan (Gunawan Prayitno, Chairul Maulidi)
- B8. Design of Aquaculture Pond Development Based Environmental Characteristics: Case Study of Water Elevation and Salinity Dynamics in Pasir - Jati River at the Coastal Area Between Bogomonto River and Jali River (Bambang Triyatmo, Sudarmadji, Kamiso Handoyo Nitimulyo, Junun Sartohadi)
- B9. The Role of Flood Plain Swamp for Fish Production (Dina Muthmainnah and Abdul Karim Gaffar)
- B10. What to Consider to Build Farming Cities? (Tinjung Mary Prihtanti)

C. Presentation in Room III

- C1. An Analysis of the Water of Telang River, Gasing River and Liquid Waste of Influent, Effluent Agroindustry in Banyuasin (Hasmawawaty, AR., M. Faizal, M. Said, and Robiyanto H. Susanto)
- C2. Development of Acid-Soil Tolerant Corn (*Zea mays L.*) with Ability to Coop Dry Condition (E.S. Halimi)
- C3. Soil Performance Indicator as a Soil Health Assessment in Correspond to Lettuce Growth Indicator (Riwandi dan Merakati Handajaningsih)
- C4. Effect of Submergences Stress at Early Vegetative Stage on the Agronomic Characteristics of Some Rice Genotypes (Rujito Agus Suwignyo)
- C5. Kinetics Approach of Biodegradation of Petroleum Contaminated Soil by Using Indigenous Isolated *Pseudomonas pseudoalcaligenes*, *Bacillus*

magaterium and Xanthobacter autotrophicus BACTERIA (Bambang Yudono, M.Said, M. Sabaruddin, Adipati Napoleon, Zainal Fanani)

- 4.
- C6. The Correlation of Water Level Fluctuation to Fish Production Dynamics and Physico-Chemical Features of Lubuk Lampam Floodplain in South Sumatera (Agus Djoko Utomo, M. Rasyid Ridho, Dinar DW Putranto, and Edward Saleh)
 - C7. The Screening of Petroleum Hydrocarbons Degrading Bacteria as a Bioremediating Agents from Mangrove Areas (Hary Widjajanti, Iswandi Anas, Nuni Gofar, and Moh. Rasyid Ridho)
 - C8. Analysis of Lead (Pb) Levels in the Work Environment as a Risk Factor of Anemia in the Electronic Industry Workers (Amar Muntaha)
 - C9. The Urgency of the City Swamp Forest in Palembang (Apriadi and Ana Heryana)
 - C10. Analysis Spatial of River Ecosystems. Case Study : Palembang, South Sumatra (Sumi Amariena Hami, Fachrurrozie Sjarkowi, Totok Gunawan, Dinar Dwi Anugerah Putranto, F.X. Suryadi)

D. Presentation in Room IV

- D1. Land Conflict and Sustainable Development: Case of Steam Electricity Power Plant Construction in Padang, West Sumatra Indonesia (Syaifudin Zakir)
- D2. Dimension Analysis of Drainage Channel at Water Shed Lambidaro River in Palembang City (Reini Silvia Ilmiaty, Noviyanti, Agus Lestari Yuono, Yunan Hamdani)
- D3. Improving Water Management Using Virtual Rainfall Stations with Radar Derived Rainfall Data (Amin MSM, Waleed ARM, M. Yazid Abdullah)
- D4. Between Land Use Plan and Decreasing of Green Area as Natural Mitigation to Tsunami Hazard in District of Pacitan (Fadly Usman)
- D5. Agricultural Development in the Lowlands: Dynamics, Perspective and Time Frame Lesson Learnt from Strengthening Tidal Lowlands Development (STLD) and the Way Forward (Hartoyo Suprianto, Erwin Ravaie, Sumarjo Gatot Irianto, Robiyanto H. susanto, Bart Schultz, Martijn Elzinga, F.X. Suryadi, and Ad van den Eelaart)
- D6. Effects of Climate Change and Land Subsidence on Hydro-Topographical Condition in Tidal Lowlands, Case Study Telang I, South Sumatra (Rahmadi, F.X. Suryadi, Robiyanto H. Susanto, and Bart Schultz)
- D7. Some Legal Aspects of Promoting the Lowlands Ecotourism to Support the Sustainable Development in South Sumatra (Achmad Romsan)
- D8. Palembang Urban Drainage and Flood Protection Systems, Case Study Jakabaring Urban Area (Eka Gustini, Eddy Santana Putra, F.X. Suryadi, and Bart Schultz)
- D9. The Role of Suspended Particle Size on the Formula of Sedimentation Area in Modada PT Freeport Indonesia (Yuanita Windusari, Robiyanto H. Susanto, Zulkifli Dahlan, Wisnu Sesetyo, and Indra Yustian)