



Nomor: 050/UN9.2/LL/Sricoenv.Pps.Unsri/2018

**GRADUATE SCHOOL
UNIVERSITAS SRIWIJAYA**

This
CERTIFICATE OF PARTICIPATION

is hereby given to

Dessy Adriani

For having actively participated and acted as **ORAL PRESENTER** during the

1st SRIWIJAYA INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ISSUE

hold on 26-27 September 2018 at Horison Ultima Hotel, Palembang, Indonesia.

HERMANSYAH

Conference Overall Coordinator



ROF. AMIN REJO

Director

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Sriwijaya International Conference on Earth Science and Environmental Issue (ICESEI) 2020

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PREFACE

In the Name of Allah SWT, the Most Gracious, all the praises and thanks be to Him, once more give us the bountiful blessings to establish **Sriwijaya International Conference on Earth Science and Environmental Issue (ICESEI) 2020** formerly known as **The 2nd Sriwijaya International Conference On Environmental Issues 2020 (2nd SRICOENV)** especially in the pandemic Covid-19 which become biggest challenge in all over the world. This conference is organized by Graduate Program Universitas Sriwijaya, Indonesia and co-organized by Thai Nguyen University of Agriculture and Forestry, Vietnam; Graz University of Technology, Austria and Academy of Sciences Malaysia, Malaysia.

The objective of ICESEI 2020 is to perform current state of the arts related to Environmental and Climate Change. All the participants are global partners for future collaboration to exchange new ideas and experiences as their research on "Environment and Climate Change" issue. The conference provides an opportunity for delegations from different institutions to present their ideas and application directly, then build business relationships and research collaborations to create global partnership.

This international conference is a routine agenda of activities at the Graduate Program of Universitas Sriwijaya which initially started in 2018 (1st Sricoenv). Due to Covid-19 pandemic situation which globally occupied, safety and healthiness become priority besides most of traveling and gatherings are strictly prohibited, then the 2nd SRICOENV 2020 is conducted virtually on 21st October 2020.

At this moment, we have to conduct the international conference which flexibly adjusted which expected as the media to extend dissemination process of researchers around the world for their current investigation in the field of Agriculture, Agricultural Technology, Biodiversity, Ecosystem Service and Conservation, Biotechnology and Plant Improvement, Earth Science, Environmental Issue, Forest and Climate Change, Forestry and Environmental Technology, Food Security, Food and Chemical, Soil and Land Science, Food Science, Earth Science, Environmental Science and Environmental Issue. The research results dissemination also hopefully could be known and has positive impact on community.

The Graduate Program of Universitas Sriwijaya as host had holden the ICESEI 2020 from Palembang, South Sumatera-Indonesia. The ICESEI 2020 used ZOOM as platform media. Initially, the presentations are born from keynote speakers for 25-30 minutes each. Then, the ZOOM had split parallelly into four rooms. After that, each room has divided into four sessions. Each speaker has chance to present their research material for 10-15 minutes, then followed by Q&A forums for 15-20 minutes at the end of each session. All questions and answers are delivered directly on ZOOM channel (chat forum). The conference entirely took 9 hours.

We are pleased to inform that the ICESEI 2020 was attended by 200 participants. Those authors and participants came from inside and outside countries such as Austria, Malaysia, Bangladesh, U.S, Japan, Thailand, Philippine, Vietnam, Uganda (9 countries) and various regions in Indonesia (21 of 33 provinces).

The committee selected 63 papers of 94 pre-registered authors, through strict reviewing process to be prepared on publication process. Recently, all the papers have enhanced the quality based on the reviewer's suggestions, to meet the IOP EES requirements.

On behalf of the Graduate Program of Universitas Sriwijaya, we express our sincere gratitude for the participation of keynote speakers, invited speakers, and all sponsors; the Municipality of Palembang, the Belantara Foundation, BPJS Kesehatan, MKTI, APIKI, Ikadil, Bank Sumsel Babel, BNI, BRI. Furthermore, high appreciation to the whole committee team for their excellence in managed and organized all parts of this conference in pandemic circumstance. We also appreciate publisher to publish the proceedings. We hope people will achieve some important information from this proceeding. We re expecting more and more experts and scholars from all over the world to join this international event next year. We look for more scientists and expertise from everywhere to join on next **3rd Sricoenv**.

Palembang, 21 October 2020
Director of Graduate School Universitas Sriwijaya

Prof. Dr. Ir. Amin Rejo, M.P.

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All papers published in this volume of IOP Conference Series: Earth and Environmental Science have been peer reviewed through processes administered by the Editors. Reviews were conducted by expert referees to the professional and scientific standards expected of a proceedings journal published by IOP Publishing.

- **Type of peer review: Double Blind**
 - a. All papers submitted were checked their similarity index using Turnitin.
 - b. Papers have similarity index more than 25% were rejected.
 - c. After that, the format of the papers was checked. Papers that did not follow the IOP template will be sent back to the authors for revision.
 - d. All papers passed the similarity index and have already follow the IOP template will be sent to the reviewers.
 - e. Reviewers reviewed the papers and give comments to the papers.
 - f. Scientific committee decided if the papers: accepted, accepted with major revision, accepted with minor revision, or rejected.
 - g. Author revised their papers and send back their revision.
- **Conference submission management system:**

All papers from the conference submitted using our system where each author must register first and submit article through submission form.
- **Number of submissions received:**

119 Submission were received.
- **Number of submissions sent for review:**

94 Submission was sent for review, and the rest was rejected because out of scope, low-quality article and high similarity.
- **Number of submissions accepted:**

63 Paper accepted based on IOP EES Scope and quality
- **Acceptance Rate (Number of Submissions Accepted / Number of Submissions Received X 100):**

(63/94) x 100 = 67 %
- **Average number of reviews per paper:**

2 times
- **Total number of reviewers involved:**

8 Reviewer Involved + 6 Editors
- **Any additional info on review process:**

Each reviewer gets 6-7 papers from first



submission until dateline submission by

author (4-5 month), and we give each

reviewer MAX 14 days to send back the

review result to committee.

- **Contact person for queries:**

Robbi Rahim, Sekolah Tinggi Ilmu Manajemen Sukma, Medan, Indonesia
and University Malaysia Perlis, Malaysia

Email: robbirahim@ieee.org, Whatsapp +62 8126326393

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Accepted papers received: 23 June 2021

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Hydroponically Planting Ipomoea Aquatica Vegetables Using Planting Media from Used Goods

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M A Nurwahyudi and H Hatta



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Novel Antihypertension Bioactive Compounds from Rusip

R Rinto, I Widiastuti and B T Samudera

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Test of Physical Quality Compost and PH of Combination of Water Hyacinth (*Eichornia Crassipes Mart. Solm*) and Goat Manure Using Rument Liquid Mol as Activator

A Napoleon, D P Sulistyani and Bakri

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012004

Moler Disease of Shallot in the Last Three Years at Brebes Central Java: The Intensity and Resulting Yields Losses is Increasing

Supyani, SH Poromarto, Supriyadi and Hadiwiyono

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Phytochemical and Antioxidant Analysis of Fermented 'Dayak' Wild Yam (*Dioscorea hispida* Dennst), Purple Yam (*Dioscorea alata*) and Air Potato (*Dioscorea bulbifera* L.) Tuber Flour

Rudito, Suwanto, Yuli Witono, Bernatal Saragih and Enos Tangke Arung

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012006

The Potential of Pure Chitosan in Increasing Eggshell Thickness Silver Arabic Chicken (*Silver brakel kriel*)

E Sahara, S Sandi, F Yosi, M L Sari, Riswandi and R Agustina

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The Effects of Probiotic from *Hymenachne Acutigluma* Silage in Feed to the Length of Small Intestine and Caeca in Pegagan Ducks

S Sandi, E Sahara, A T Novitasari, A I Munawar Ali, A Susanda, F Yosi and Asmak

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012008

Physical and Chemical Quality of Bento Rayap Grass Haylage (*Leersia Hexandra*) Supplemented with Water Mimmosa (*Neptunia Oleracea*)

Riswandi, A I M Ali, Muhakka, A Imsya, A Abrar, E Sahara, B Hamzah, A Supriadi and P Alpian

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012009

Phylogenetic of Featherback Chitala sp from South Sumatra Based on Cytochrome C Oxidase Subunit I (COI) Gene

Y Anjarsari, M Syaifudin, D Jubaedah, F H Taqwa and D Yonarta

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Farmer's Perception of Climate Change and the Impacts on Livelihood in South Sulawesi

Arifah, D Salman, A Yassi and EB Demmallino

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012011

The Correlation of Climatic Factors with Incidence of Dengue Hemorrhagic Fever in Palembang Bari General Hospital

A Ghiffari, C Anwar, M Soleha, T Prameswarie and D N Anggina

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Effect of Flue Gas Oxygen Content to Gas-Gas Heater Requirement in Limestone Forced Oxidation Desulfurizer System

A M Reza, A B Heksaprilla, F Chariri, U Tasyrifah, M B A Gani and P D Suwondo

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012014

Waste-to-Energy (WTE) Method to Mitigate Harmful Environmental and Health Consequences Due to LDPE Plastic Waste

Novarini, S Kurniawan, Rusdianasari and Y Bow

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Increase the Toughness of Material of Construction Using Heat Treatment

H Chandra, Warizal, H Dahlan, N Paramitha Eka Utami and A Tito

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Analysis of the Effect of Stop Drilled Hole Diameter Variation on Fatigue Resistance in Medium Carbon Steel DIN HQ 705

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D Muthmainnah and A H Rais

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A Sandy, Sriati, Azhar and A Siswanto

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012019

Model of Environmental Caring Character Development in SMA Lubuklinggau City

Warah, Alfitri, Z Arifin and Riswani

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I M Sakir, Sriati, A Saptawan and R Juniah

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Y Hidayat, Alfitri, D H Purnama and Riswani

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The Effect of Household's Age Structure to Waste Generation in Palembang City

D Novriadhy, O Komalasari, H Hatta and R Oktarina

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H Saediman, I S Mboe, M Zani, L Daud and A M Padangaran

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Gender Role in Farmers' Livelihood Strategies at Peatland Area of Fire-Prone in Ogan Komering Ilir Regency

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A Nurlia, M Rahmat, E A Waluyo, D H Purnama and Sabaruddin

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Geo Location Dataset Analysis for Identifying Fertilizer Dealers in Vellore district Tamilnadu, India

Rajkumar Rajasekaran, Thipireddy Rishith Reddy, Palnati Gowtham Reddy and Jolly Masih

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A Akrom, Mustofa and L H Nurani

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I Indrayanti, K A Kamila, B A Hernowo, F A Haq and A Akrom

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Effectiveness of Proteins and Supernatants Isolated from *Bacillus Thuringiensis*-Based Bio-Insecticides Against Termites *Macrotermes Gilvus* (Isoptera: Termitidae)

Y Pujiastuti, A Riskal, Suparman, A Arsi, B Gunawan and D P Sulistyani

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M S Samsudin, A Azid, M A Razik, M A Zaudi and S M Shahrudin

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Application of parijoto (*medinilla speciosa* L.) extract as body lotion

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A Great Food for Children Base on *Rinuak* Shredded Fish (*Psilopsis Sp*)

Yuliana, Linda Rosalina, Kurnia Illahi Manvi and Heru Pramudia

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