

# ICSAE-IX

9<sup>th</sup> International Conference on  
Sustainable Agriculture and  
Environment

## Conference Guide

**Online conference | 24-25 August 2022**  
**Surakarta, Indonesia**

This conference held by  
**Research and Development Center for  
Biotechnology and Biodiversity,  
Universitas Sebelas Maret, Indonesia**

in collaboration with:  
**Faculty of Agriculture, UNS, Indonesia**  
**Faculty of Art and Design, UNS, Indonesia**  
**Faculty of Economic and Business, UNS, Indonesia**

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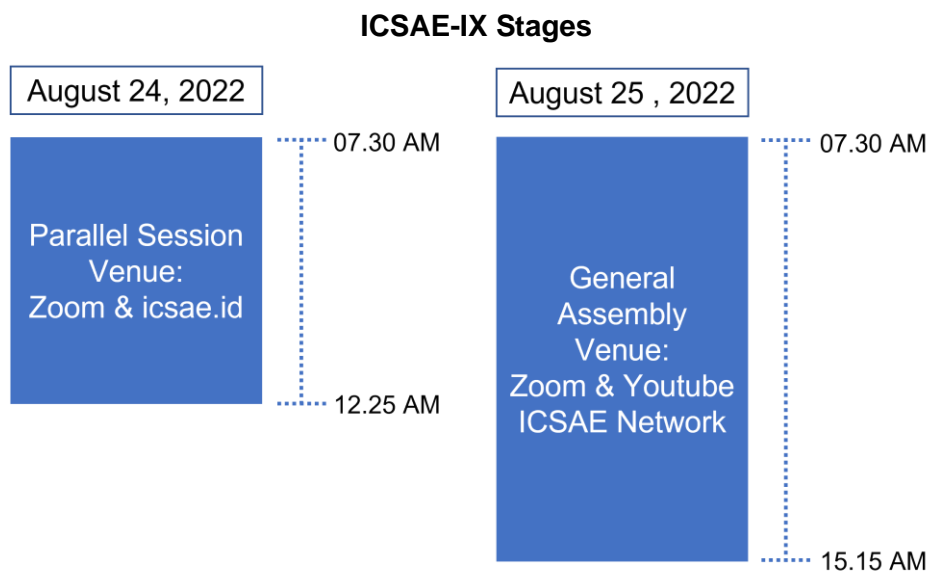
# | Conference Guide

As informed, ICSAE-IX will be held online. There are two different sessions in this conference, namely parallel session and general assembly.

There are two different sessions in this conference, namely parallel session and general assembly. The parallel session can be accessed through Zoom for oral presentations and Website <https://icsae.id> for poster presentation.

The general assembly, invited speakers talk, will be performed through Zoom meeting and streamed via Youtube ICSAE Network. Both stages can be enjoyed by all participants which are listed and/or invited with the following time frame:

1. Parallel session : August 24, 2022
2. General assembly : August 25, 2022



# | Parallel Session Guide

The parallel session will be held on August 24, 2022. Author can choose preferable presentation methods, either Oral or Poster presentation.

For oral presentation, authors should prepare and submit a pre-recorded video presentation. While, for poster presentation, authors should prepare and submit digital poster. Below are the guidelines for parallel sessions.

## 1. Oral Presentation

Presentation schedule and Zoom Link are available on the page next page.

On the conference day, the Committee will play video presentations in parallel for every 3 presenters. It will be continued with live discussion for 5 minutes led by Room Chair. Thus, we hope that all authors join the Zoom room during parallel session. Oral presentation schedule will be provided on the next page.

The presenters are free to choose preferred video recording platform, however we suggest using Zoom recording, because it is easy to use and has a small file size. You may adapt the methods from this link <https://www.youtube.com/watch?v=kDfCq-pLZQI>.

Recorded video presentation requirements:

- MP4 format
- Maximum size 30 MB
- Video duration maximum is 7 minutes
- Please introduce presenter name, for certificate purposes
- Submit video presentation through EasyChair

Please note that a presenter certificate will be given to the presenter recorded in the video. Another author who joined the parallel session will get a participant certificate. Presented manuscript and listed author will receive a manuscript certificate.

## 2. Poster Presentation

Digital poster shows can be accessed through the conference website (<https://icsae.id>). Discussion can be done by commenting on the web page.

Digital poster requirements:

- PDF format
- Maximum size 5 MB
- Paper size A3 vertical
- Kindly put on the poster: Presentation title, authorship and affiliation
- Submit digital poster through EasyChair

Please note that a presenter certificate will be given to the presenter previously selected in the EasyChair platform. Presented manuscript and listed author will receive a manuscript certificate.

# | General Assembly Session Guide

The ICSAE-IX general assembly will be held on August 25, 2022. Invited speakers talk, will be performed through Zoom live meeting, all authors can join and participate in the session. General assembly rundown will be on the next page.

During the general assembly, please follow the rules below.

- All authors listed in the manuscript can freely join in the general assembly
- During Zoom meeting, Participants are required to using proper ID indicating the real name
- Please use virtual background which will be share by committee a day before conference
- The attendance form will be shared by the committee during the conference, participants must fill the form to get participant certificate
- Please mute the microphone to avoid noise distraction
- The participants are welcome to ask the question via chatroom with the following format (Name\_Affiliation\_To Whom\_Question)

# | General Assembly Rundown

**Date 25 August 2022**

| SESSION                                 | TIME (GMT+7) | ACTIVITIES   | PERSON IN CHARGE  |
|---|--------------|--|---|
|   | 07.30-08.00  | Registration and preparation                             | Committee   |
|   | 08.00-08.05  | Opening  | MC  |
|   | 08.05-08.10  | Indonesian National Anthem                               | Committee   |
|   | 08.10-08.16  | Welcome Address  | Dean Faculty of Agriculture,<br>Universitas Sebelas Maret                                 |
| <b>Opening</b>                          | 08.16-08.22  | Greeting to Participant                                  | Head of the Institute of Research<br>and Community Services,<br>Universitas Sebelas Maret |
|   | 08.22-08.30  | Opening Remarks  | Vice Rector for Academic and<br>Student Affairs, Universitas<br>Sebelas Maret             |
| <b>Invited<br/>Speaker 1</b>            | 08.30-08.35  | Preparation and announcements                            | MC  |
|   | 08.35-09.15  | <b>Talk of Dr. Serkan Ates</b>                           | Moderator   |
|   | 09.15-09.30  | Q n A  | Moderator   |
|   | 09.30-09.35  | Closing for Session 1 and remarks                        | Moderator   |
| <b>Invited<br/>Speaker 2</b>            | 09.35-09.40  | Preparation and announcements                            | MC  |
|   | 09.40-10.20  | <b>Talk of Assoc. Prof. Ts. Dr<br/>Shamsiah Abdullah</b> | Moderator   |
|   | 10.20-10.35  | Q n A  | Moderator   |
|   | 10.35-10.40  | Closing for Session 2 and remarks                        | Moderator   |
| <b>Invited<br/>Speaker 3</b>            | 10.40-10.50  | Preparation and announcements                            | MC  |
|   | 10.50-11.30  | <b>Talk of Prof. Ferry Jie</b>                           | Moderator   |
|   | 11.30-11.45  | Q n A  | Moderator   |
|   | 11.45-11.50  | Closing Session 3 and remarks                            | Moderator   |
| <b>Break</b>                            | 11.50-13-00  | Announcements and break                                  | Committee   |
| <b>Invited<br/>Speakers 4<br/>and 5</b> | 13.00-13.15  | Preparation and announcements                            | MC  |
|   | 13.15-13.55  | <b>Talk of Dr. Alexandra Crosby</b>                      | Moderator   |
|   | 13.55-14.35  | <b>Talk of Dr. Andi Setiawan</b>                         | Moderator   |
|   | 14.35-14.50  | Q n A  | Moderator   |
|   | 14.50-15.00  | Closing remarks  | Moderator   |
| <b>Closing</b>                          | 15.00-15.15  | Announcements and closing                                | MC  |

# Oral Presentation Schedule

## Room 1. Agricultural Production, Biotechnology and Economics

Date : 24 August 2022

Place : Zoom <https://bit.ly/icsae9-room1>

Meeting ID: 953 0497 9101 Passcode: 384629

| Time (GMT+7) | Activities/ID                              | Title  |
|--------------|--|--|
| 07.30-08.00  | Presenters and participants enter the room |  |
| 08.00-08.10  | Opening by Room Chair                      |  |
| 08.10-08.17  | ID 30                                      | Genetic Variability, Correlation and Path Coefficient among Agronomic Characters of Soybeans [Glycine max (L.) Merr.] Lines<br><i>Heru Kuswanto and Juli Santoso</i>   |
| 08.17-08.24  | ID 37                                      | Co-compost Biochar as a Soil Ameliorant for Improving Soil Chemical Properties and Maize Yield in Acidic Upland East Lampung<br><i>Neneng Nurida and Jubaedah Jubaedah</i>   |
| 08.24-08.31  | ID 45                                      | Efficacy of moringa leaf extract and cow manure to soybean growth and yield<br><i>Haryuni, Isnan Yuda Atmaja, Teguh Supriyadi, Sapto Priyadi, Agus Budiyo and Mrihrahayu Rumaningsih</i>   |
| 08.31-08.36  | Discussion                                 |  |
| 08.36-08.43  | ID 72                                      | Phenotype Performance of M1 Generation of Bima Shallot (Allium cepa L. var. Ascalonicum) result of Ethyl Methane Sulfonate induced<br><i>Zulfahmi, Dedi Affandi, Mahmuzar, Rosmaina and Gusrinaldi</i>   |
| 08.43-08.50  | ID 81                                      | Genetic diversity of strawberry (Fragaria x ananassa) var. Earlibrite mutant as revealed by ISSR molecular marker induced by gamma rays irradiation<br><i>Hidayatul Arisah, Darmawan Saptadi, Sumeru Ashari, Dita Agisimanto and Farida Yulianti</i> |
| 08.50-08.57  | ID 82                                      | Screening of simple sequence repeats (SSR) primers from mutated plants from Indigofera zolligeriana<br><i>Juwartina Ida Royani, Dudi Hardianto and Tri Handayani</i>   |
| 08.57-09.02  | Discussion                                 |  |
| 09.02-09.09  | ID 105                                     | The effect of giving various doses of KCL fertilizer on the growth and yield of red ginger (Zingiber officinale var. Rubrum)<br><i>Supriyono, Ahmad Taufik, Sulandjari and Djoko Purnomo</i>   |
| 09.09-09.16  | ID 124                                     | Upland Rice Growth on Giving of Biochar and Organic Fertilizer<br><i>Muji Rahayu, Amalia Sakya, Aprilia Nurmalasari and Kartika Aprilya</i>  |
| 09.16-09.23  | ID 130                                     | The Effect Of Liquid Organic Fertilizer On Growth And Yield Of Porang (Amorphophallus Muelleri Blume)<br><i>Supriyono, Talitha Syahda, Puji Harsono and Sulandjari</i>   |
| 09.23-09.28  | Discussion                                 |  |
| 09.28-09.35  | ID 155                                     | The Use of Biochar and Biofilm Biofertilizer (BiO2) to Increase Rice Yield<br><i>Sudadi Sudadi, Tri Wida Rachmadani, Vita Ratri Ratri Cahyani and Slamet Minardi</i>   |
| 09.35-09.42  | ID 179                                     | Effects of Different Organic Fertilizers on Growth and Yield Potential of Solanum melongena (Eggplant)<br><i>Nur Ikram Aliff Mahamad, Siti Nurul Atikah Abu Samah and Muhammad Noor Azizan Mohd Khidzir</i>  |
| 09.42-09.49  | ID 205                                     | Optimisation of Yield on Peanut-Sorghum Intercropping in Dry Land, North Lombok<br><i>Akhmad Zubaidi, Dwi Ratna Anugrahwati, Herman Suheri, I Komang Damar Jaya and Suwardji</i>   |
| 09.49-09.54  | Discussion                                 |  |
| 09.54-10.20  | Break                                      |  |

| Room 1 (Continue) |                       |  |
|-------------------|-----------------------|--|
| Time (GMT+7)      | Activities/ID         | Title  |
| 10.20-10.30       | Opening by Room Chair |  |
| 10.30-10.37       | ID 7                  | The Effect Of Collaboration Between Elements For The Progress Of Rubber Cooperatives In Riau Province, Indonesia<br><i>Elfi Rahmadani and Khoiriah Khoiriah</i>  |
| 10.37-10.44       | ID 25                 | Site-Specific Red Chili ( <i>Capsicum annum</i> ) Growth and Yield on Katingan Dryland in Central Kalimantan<br><i>Ronny Yuniar Galingging and Sri Agustini</i>  |
| 10.44-10.51       | ID 52                 | Factors Influencing Biological Asset Disclosures in Agricultural Companies in Indonesia<br><i>Siti Rochmah Ika, Romi Susetyo, Angelia Pribadi, Titop Dwiwinarno and Ari Kuncara Widagdo</i>                                  |
| 10.51-10.56       | Discussion            |  |
| 10.56-11.03       | ID 61                 | A Review on Participation of Cocoa Smallholders in Agricultural Certification Scheme<br><i>Ahmad Lukman Rusli and Ts. Dr. Fazleen Abdul Fatah</i>  |
| 11.03-11.10       | ID 73                 | Pineapple Genetic Diversity in Riau Peat Land Assessed by Random Amplified Polymorphic DNA (RAPD) Marker<br><i>Rosmaina, Nugroho Febriandi, Ervina Aryanti, Rita Elfianis, Nilahayati and Zulfahmi</i>                       |
| 11.10-11.17       | ID 89                 | Chelated Copper-Zinc as Potential for Foliar Fertilizers Based on Different PH and Electrical Conductivity<br><i>Mohamad Faris Saiman and Nur Maizatul Idayu Othman</i>  |
| 11.17-11.22       | Discussion            |  |
| 11.22-11.29       | ID 91                 | Effects of Acute Gamma Irradiation on the Morphology of <i>Stevia rebaudiana</i><br><i>Aida Khalida Hamdan, Shamsiah Abdullah, Nor Azma Yusuf and Azhar Mohamad</i>  |
| 11.29-11.36       | ID 104                | Institutional development of farmers through agricultural area-based corporations in Indonesia<br><i>Panji Harjanto, Imam Mujahidin Fahmid, Muhammad Saleh S Ali and Eymal Bashar Demmallino</i>                             |
| 11.36-11.43       | ID 138                | Organic Materials and Fish Emulsion on Banana Shoots Multiplication of Cavendish Banana Shoots ( <i>Musa paradisiaca</i> 'Cavendish')<br><i>Jati Widnu Charantika, Samanhudi, and Amalia Tetrani Sakya</i>                   |
| 11.43-11.48       | Discussion            |  |
| 11.48-11.55       | ID 140                | The diversity of wild Tampoi ( <i>Baccaurea</i> , Phyllantaceae) and their potential for improving livelihoods for local people in Aceh, Indonesia<br><i>Zidni Ilman Navia, Adi Bejo Suwardi and Tisna Harmawan</i>          |
| 11.55-12.02       | ID 146                | Profit Functions Of Catfish Farming For Increasing Household Income In Pekanbaru City Riau Province<br><i>Elinur Elinur, Asrrol Asrol, Heriyanto Heriyanto and Sisca Vaulina</i>   |
| 12.02-12.09       | ID 166                | Value Chain Mapping of Porang Commodity ( <i>Amorphophallus muelleri</i> ) in Wonogiri Regency<br><i>Sugiharti Mulya Handayani, Fanny Widadie, Endang Siti Rahayu, Heru Irianto, Setyowati Setyowati and Mei Tri Sundari</i> |
| 12.09-12.14       | Discussion            |  |
| 12.14-12.24       | Closing               |  |



## Room 2. General Agriculture and Animal Science

Date : 24 August 2022

Place : Zoom <https://bit.ly/icsae9-room2>

Meeting ID: 961 3455 8805 Passcode: icsae-9

| Time (GMT+7) | Activities/ID                              | Title   |
|--------------|--|---|
| 07.30-08.00  | Presenters and participants enter the room |   |
| 08.00-08.10  | Opening by Room Chair                      |   |
| 08.10-08.17  | ID 12                                      | The Primipara Reproductive Performance Of Bali Cattle With Natural Mating Compared To Artificial Insemination<br><i>Yazid Fride Ramadhan, Adi Tiya Warman, Hamdani Maulana, Bayu Andri Atmoko and Endang Baliarti</i>   |
| 08.17-08.24  | ID 17                                      | The qualitative characteristics differences of Simmental-Bali crossed cows compare to Bali cows in West Nusa Tenggara, Indonesia<br><i>Riesta Qoyyum Chusna, Yazid Fride Ramadhan, Galih Trie Fadhilah, Adi Tiya Warman, Dyah Maharani, Bayu Andri Atmoko and Endang Baliarti</i> |
| 08.24-08.31  | ID 68                                      | Effect of Methionine Hydroxy Analog (MHA) or Dextrose Supplementation on Physiological Responses and Behavior of Sheep Under Transportation Stress<br><i>Muhamad Baihaqi, Henny Nuraini, Anuraga Jayanegara and Wasmen Manalu</i>   |
| 08.31-08.36  | Discussion                                 |   |
| 08.36-08.43  | ID 70                                      | The ATP1A1 Gene Polymorphisms in Indonesian Beef Cattle<br><i>Peni Prihandini, Aprilianna Sari, Yenny Anggraeni, Sulistiyoningtiyas Irmawanti and Bess Tiesnamurti</i>  |
| 08.43-08.50  | ID 71                                      | Physiological responses of several beef cattle breeds based on environment conditions in Beef Cattle Research Station<br><i>Sulistiyoningtiyas Irmawanti, Luthfi Muchamad and Peni Prihandini</i>   |
| 08.50-08.57  | ID 100                                     | Cattle Corporation Village Program as Small-Scale Farmer Group Empowerment to Support National Beef Self Sufficiency<br><i>Agung Suganda, Darmawan Salman, Syahdar Baba and Imam Mujahidin Fahmid</i>   |
| 08.57-09.02  | Discussion                                 |   |
| 09.02-09.09  | ID 151                                     | Effect of Substrate Nutrient Content Level on Nutritional Expression of <i>Hermetia illucens</i> : A meta-Analysis<br><i>Mochamad Dzaky Alifian</i>   |
| 09.09-09.16  | ID 170                                     | The nutritional quality of silverside and chuck meat of thin-tailed lamb fed rations containing protected soy groats in various ratios<br><i>Joko Riyanto, Sudibya Sudibya and Anti Riyanti</i>   |
| 09.16-09.23  | ID 175                                     | Repeatability and most probable producing ability of egg weight and one-day-old chick weight in Merawang chicken<br><i>Siti Solekah, Aprilianna Putri Zahara Nafsina Luvita Sari, Yesita Vera Saraswati, Heru Sasongko and Dyah Maharani</i>                                      |
| 09.23-09.28  | Discussion                                 |   |
| 09.28-09.35  | ID 180                                     | Metagenomic analysis of non-pathogenic and pathogenic cecal bacteria profiles in quail supplemented with betaine<br><i>Luthfi A. Pradista, Sigit Prastowo, Nuzul Widyas and Adi Ratriyanto</i>  |
| 09.35-09.42  | ID 183                                     | Protein to protein interaction of genes responsible for economic trait of Madura Cattle: an in silico analysis<br><i>Trisianto Nugroho and Sigit Prastowo</i>   |
| 09.42-09.49  | ID 192                                     | Effects of different floor spaces and betaine supplementation on performance and physiology of quails<br><i>Gunna M. Rantau, Adi Ratriyanto and Nuzul Widyas</i>  |
| 09.49-09.54  | Discussion                                 |   |
| 09.54-10.20  | Break                                      |   |

| Room 2 (Continue) |                       |   |
|-------------------|-----------------------|---|
| Time (GMT+7)      | Activities/ID         | Title   |
| 10.20-10.30       | Opening by Room Chair |   |
| 10.30-10.37       | ID 4                  | Maize farmers' responses to <i>Spodoptera frugiperda</i> in Indonesia and management practices. A case study in West Java<br><i>Wara Asfiya, Aji Winara, Agus Ruswandi, Vani Subagyo, Fatimah and Yani Maharani</i>   |
| 10.37-10.44       | ID 16                 | Geographical Region and Exterior Characteristics Analysis of Bligon Goat for Livestock Development Based on Landform Aspects (a Case Study of Bantul District, Special Region of Yogyakarta)<br><i>Bambang Haryanto, Andy Bhermana, Bambang Heryanto, Reny Rahmawati, Bayu Atmoko, Siti Andarwati and Panjono</i>   |
| 10.44-10.51       | ID 20                 | Effect of Type and Concentration of Microbial Starter On the Physicochemical Characteristics of Porang Flour<br><i>Heny Herawati, Elmi Kamsiati, Annisa Rizka Pratiwi and Sunarmani</i>   |
| 10.51-10.56       | Discussion            |   |
| 10.56-11.03       | ID 47                 | Determination of consumer preferences on goat milk products<br><i>Asmaul Khusna, Mujtahidah Anggriani Ummul Muzayyanah and Muhammad Riyan Fitriyanto</i>  |
| 11.03-11.10       | ID 48                 | Diversity of agarwood-inducing fungi from <i>Gyrinops versteegii</i> tree<br><i>Yuda Purwana Roswanjaya, Henti Rosdayanti and Winda Nawfetrias</i>  |
| 11.10-11.17       | ID 65                 | The Effect of biochar from agricultural waste on available Silicon in Ultisol and Inceptisol under flooded conditions<br><i>Hery Widijanto, Suntoro Suntoro, Mujiyo Mujiyo and Jauhari Syamsiyah</i>  |
| 11.17-11.22       | Discussion            |   |
| 11.22-11.29       | ID 69                 | Extraction of chitin and chitosan black soldier fly ( <i>Hermetia illucens</i> ) prepupa phase on characterization and yield<br><i>Edhy Mirwandhono, Muheri Indra Aja Nasution and Yunilas Yunilas</i>  |
| 11.29-11.36       | ID 113                | The Attack of <i>Spodoptera frugiperda</i> (J. E. Smith) (Lepidoptera: Noctuidae) on Sorghum<br><i>Sempuna Ginting</i>  |
| 11.36-11.43       | ID 114                | Squash leaf curl China Virus associated with Yellow Mosaic Disease of Pumpkin in Bengkulu, Indonesia<br><i>Mimi Sutrawati, Nadrawati Nadrawati, Dwi Wahyuni Ganefianti and Listihani Listihani</i>  |
| 11.43-11.48       | Discussion            |   |
| 11.48-11.55       | ID 122                | Comparative efficacy between premium and generic herbicides of Glufosinate Ammonium to control weed species in oil palm plantation.<br><i>Noor Nayli Mohamad Jabit, Siti Nur Anisah Aani, Muhammad Saiful Ahmad Hamdani, Norazua Zakaria and Mohammad Zuhair Zainal Abidin</i>                                      |
| 11.55-12.02       | ID 152                | The Correlation between Farmers' Motivation and Perception with Commitment to Raising Buffalo in Pematang Regency<br><i>Krismiwati Muatip, Hermin Purwaningsih, Alief Enstein, Oentoeng Edy Djatmiko, Sri Mastuti, Nunung Noor Hidayat, Rahayu Widiyanti, Yusmi Nur Wakhidati, Lis Safitri and Danang Nur Cahyo</i> |
| 12.02-12.09       | ID 186                | Regional Analysis of Large Chili Commodities ( <i>Capsicum Annum</i> L.) in Kolaka Regency<br><i>Hapry Aljaninansya, Sri Marwanti and Umi Barokah</i>   |
| 12.09-12.14       | Discussion            |   |
| 12.14-12.24       | Closing               |   |

### Room 3. Sustainable Development Goal in Agriculture, Environment, and Green Economics

Date : 24 August 2022

Place : Zoom <https://bit.ly/icsae9-room3>

Meeting ID: 977 3346 5762 Passcode: 011818

| Time (GMT+7) | Activities/ID                              | Title   |
|--------------|--|---|
| 07.30-08.00  | Presenters and participants enter the room |   |
| 08.00-08.10  | Opening by Room Chair                      |   |
| 08.10-08.17  | ID 27                                      | The effectiveness of Fipronil active substances compared with imidacloprid to control Germany's cockroaches ( <i>Blattella germanica</i> L.)<br><i>Niken Subekti, Retno Wulandari and Roderikus Rayditya Milanio</i>  |
| 08.17-08.24  | ID 28                                      | The effectiveness of the fipronil and imidacloprid active substances to control weaver ants ( <i>Oecophylla smaragdina</i> )<br><i>Niken Subekti, Retno Wulandari and Roderikus Rayditya Milanio</i>  |
| 08.24-08.31  | ID 36                                      | CSR and Environmental Values Internalization Since Childhood: PAUD Harmoni Case<br><i>Sri Hilmi Pujihartati, Ismi Dwi Astuti Nurhaeni, Drajat Tri Kartono and Argyo Demartoto</i>   |
| 08.31-08.36  | Discussion                                 |   |
| 08.36-08.43  | ID 50                                      | Corporate Social Responsibility of Tourism during the COVID-19 Pandemic: Case Study of PT TWC Borobudur<br><i>Rahesli Humsona, Mahendra Wijaya, Drajat Kartono and Agung Wibowo</i>   |
| 08.43-08.50  | ID 51                                      | A Study on The Benefits and Intention to Implement Urban Agriculture Among Urban Dwellers.<br><i>Muhammad Sallehudin Ali and Selvakkumar K.N Vaipuri</i>  |
| 08.50-08.57  | ID 75                                      | Land Function Transfer: The Transformation of Agriculture Land to Agriculture Tourism Sites in Polobogo, Semarang<br><i>Nanang Wijayanto, Tomi Agfianto, Fatma Ulfatun Najicha and Ariyanto Adhi Nugroho</i>  |
| 08.57-09.02  | Discussion                                 |   |
| 09.02-09.09  | ID 111                                     | Environmental Wisdom in the Tale of the King of Pigs as an Alternative to Strengthen Policy for Sustainable Development Goals (SDGs)<br><i>Asep Yudha Wirajaya, Trisna Kumala Satya Dewi, Bani Sudardi, Istadiyantha Istadiyantha and Bagus Kurniawan</i>           |
| 09.09-09.16  | ID 142                                     | Waroeng Spesial Sambal Indonesia's Corporate Social Responsibility Sustainability Model<br><i>Nugroho Hasan, Dwiningtyas Padmaningrum and Eksa Rusdiyana</i>  |
| 09.16-09.23  | ID 143                                     | Dhukutan Rite: Efforts to Save the Environment in the Lawu Area, Karanganyar<br><i>Asep Yudha Wirajaya, Deny Tri Ardianto and Dedy Eka Timbul Prayoga</i>   |
| 09.23-09.28  | Discussion                                 |   |
| 09.28-09.35  | ID 145                                     | Environmental Ethics Myth of the Rice Goddess "Dewi Sri" in Javanese Society as an Alternative to Contribution to Sustainable Development Goal<br><i>Trisna Kumala Satya Dewi, Asep Yudha Wirajaya, Bani Sudardi, Istadiyantha Istadiyantha and Bagus Kurniawan</i> |
| 09.35-09.42  | ID 165                                     | Factor Affecting Chilli Market Supply Towards Sustainable Domestic Production<br><i>Muhammad Sallehudin Ali, Nur Badriyah Kamarul Zaman, Zakirah Othman, Wan Noranida Wan Mohd Noor and Nur Maizatul Idayu Othman</i>   |
| 09.42-09.49  | ID 187                                     | ESG-Based investment products: a burden or an answer for corporate sustainability?<br><i>Vinka Sindy Agustin, Atmaji Atmaji and Arum Setyowati</i>  |
| 09.49-09.54  | Discussion                                 |   |
| 09.54-10.20  | Break                                      |   |

| Room 3 (Continue) |                       |  |
|-------------------|-----------------------|--|
| Time (GMT+7)      | Activities/ID         | Title  |
| 10.20-10.30       | Opening by Room Chair |  |
| 10.30-10.37       | ID 15                 | Farmer income analysis: Cocoa farming with side grafting technique (Case study in Mappesangka Village, South Sulawesi, Indonesia)<br><i>Baharuddin Baharuddin, Agus Tang, Aylee Christine, Andi T. Fitriyah and Ratri R. Utami</i>   |
| 10.37-10.44       | ID 42                 | Coping strategy of porang farmer's household in anticipating long harvest period: Empirical study in Wonogiri Regency, Indonesia<br><i>Heru Irianto, Erlyna Wida Riptanti and Mujiyo Mujiyo</i>  |
| 10.44-10.51       | ID 133                | Cost Benefit Analysis of the Establishment of an Environment-based Regional-Owned Enterprises (BUMD) in Tourism Sector in Magetan Regency<br><i>Aulia Hapsari Juwita, Dwi Prasetyani, Vita Kartika Sari and Akhmad Daerobi</i>   |
| 10.51-10.56       | Discussion            |  |
| 10.56-11.03       | ID 167                | The Determinants of Cocoa Export Growth to the Main Export Destination Countries<br><i>Dwi Putri Jeng Ivo Nurun Nisa, Darsono Darsono and Ernoiz Antriyandarti</i>   |
| 11.03-11.10       | ID 176                | Non-Wood Forest Products Potency from Community Forest in Gempolan Village, Karanganyar Regency, Central Java<br><i>Amabel Nola Dwi Asmara, Elmi Makrifah, Nanda Muhamad Yusuf Mahendra, Qonia Az Zahra, Putri Waryanti, Yus Andhini Bhekti Pertiwi, Ana Agustina, Rissa Rahmadwiati, Rezky Lasekti Wicaksono, Dwi Apriyanto and Ike Nurjuita Nayasilana</i> |
| 11.10-11.17       | ID 185                | Community paradigm towards green economy movement to support sustainable development<br><i>Wisnu Waskitho Aji, Lilik Wahyudi and Tastaftiyan Risfandy</i>  |
| 11.17-11.22       | Discussion            |  |
| 11.22-11.29       | ID 189                | The Role of Budgeting in Realizing a Green Economy and Economic Growth<br><i>Surti Nur Hidayati, Joko Suyono and Deny Dwi Hartomo</i>  |
| 11.29-11.36       | ID 191                | Training on Financial Management of Sinar Karungan BUMDes and Pineapple Fiber Processing of Appropriate Technology for ATBM Weaving in Karungan Plupuh Sragen Village<br><i>Rahmawati Rahmawati, Bambang Pujiasmanto, Sarah Rum Handayani, Francisca Sestri Goestjahjanti, Soenarto Soenarto and Diana Airawaty</i>  |
| 11.36-11.43       | ID 193                | Sensitive social factors and the sustainability of organic dragon fruit agribisnis in banyuwangi<br><i>Muksin Muksin, Pongky Hari Asmara and Nbe Sulistiyono</i>   |
| 11.43-11.48       | Discussion            |  |
| 11.48-11.55       | ID 202                | Application of green budgeting in finance and development policy<br><i>Lathifah Azzahra, Putra Pamungkas and Wahyu Trinarningsih</i>   |
| 11.55-12.02       | ID 207                | The environmental impacts of hair craft industry activities on socio-economic community conditions<br><i>Agus Arifin and Rakhmat Priyono</i>   |
| 12.02-12.09       | ID 208                | The Analysis of Indonesia Crude Coconut Oil's Competition in International Market<br><i>Rizki Puspita Dewanti and Dyah Ayu Suryaningrum</i>  |
| 12.09-12.14       | Discussion            |  |
| 12.14-12.24       | Closing               |  |

## Room 4. Policy, Politic and Climate Change Related to Agriculture and Environment

Date : 24 August 2022

Place : Zoom <https://bit.ly/icsae9-room4>

Meeting ID: 942 9276 8067 Passcode: 887712

| Time (GMT+7) | Activities/ID | Title   |
|--------------|---------------|---|
| 07.30-08.00  |               | Presenters and participants enter the room  |
| 08.00-08.10  |               | Opening by Room Chair   |
| 08.10-08.17  | ID 18         | Feasibility analysis of hybrid corn farming in Karanganyar Regency<br><i>Suswadi Suswadi, Agung Prasetyo, Mahananto Mahananto, Kusriani Prasetyowati and Yuli Purnomo</i>   |
| 08.17-08.24  | ID 126        | Corporate Social Responsibility (CSR) in Coal Mining Companies Towards MSME Empowerment: a study in Paser Regency<br><i>Selfia Bintariningtyas, Tri Mulyaningsih and Yunastiti Purwaningsih</i>                                       |
| 08.24-08.31  | ID 40         | Ecological Risk Assessment And Spatial Distribution of Some Heavy Metals of Agricultural Soils in Nganjuk Regency, Indonesia<br><i>Sukarjo, Cicik Oktasari Handayani and Hidayatuz Zu'Amah</i>  |
| 08.31-08.36  |               | Discussion  |
| 08.36-08.43  | ID 85         | The Importance of Securitization towards Environmental Issue: Case on Freeport's Tailing Waste<br><i>Septyanto Galan Prakoso, Ferdian Ahya Al Putra, Nadia Dian Ardita, Andriansyah Perdana Murtyantoro and Iim Fathimah Timorria</i> |
| 08.43-08.50  | ID 96         | Effectiveness Of Community Based-Collaborative On Forest Management Of The Forest Programme III In Central Sulawesi<br><i>Golar Golar, Hasriani Muis, Achmad Herman and Wahyu Simorangkir</i>   |
| 08.50-08.57  | ID 128        | Web-Geographic Information System for rice fields in Bungko Village, South Kotamobagu district<br><i>Sandra E. Pakasi, Frangky J. Paat and Milah Shofiyati</i>  |
| 08.57-09.02  |               | Discussion  |
| 09.02-09.09  | ID 171        | The role of SMEs in Indonesia in Encouraging the Green Economy Concept for Quality Economic Growth<br><i>Anzar Alfat Firdaus, Dwi Prasetyani and Devina Arninda</i>   |
| 09.09-09.16  | ID 127        | Rice husk biochar application as a mitigation strategy for nitrous oxide and methane emission in sandy paddy soil<br><i>Gendro Indri Wahyuningsih, Makoto Shibata and Shinya Funakawa</i>   |
| 09.16-09.23  | ID 156        | Environmental Issues, Poverty and Media: Bibliometric Analysis<br><i>Rutiana Wahyunengseh and Sri Hastjarjo</i>   |
| 09.23-09.28  |               | Discussion  |
| 09.28-09.35  | ID 158        | Implications of Corporate Social Responsibility Legal Policies in Indonesia on the Impact of Saving the Environment<br><i>Dyah Permata Budi Asri, Siti Rochmah Ika, Edy Sriyono and Winarno</i>                                       |
| 09.35-09.42  | ID 198        | The impact of the Russia-Ukrainian war on green energy financing in Europe<br><i>Bimo Saktiawan, M Juan Suam Toro and Nugroho Saputro</i>   |
| 09.42-09.49  | ID 201        | Robusta Coffee Development Policy: Efforts to Strengthen the Brand Image of Regional Superior Products<br><i>Danang Purwanto, Widiyanto Widiyanto, Haryani Saptaningtyas, Isti Khomah and Hanifah Ihsaniyati</i>                      |
| 09.49-09.54  |               | Discussion  |
| 09.54-10.20  |               | Break   |

| Room 4 (Continue) |                       |  |
|-------------------|-----------------------|--|
| Time (GMT+7)      | Activities/ID         | Title  |
| 10.20-10.30       | Opening by Room Chair |  |
| 10.30-10.37       | ID 23                 | The Correlation Study of Several Chemical Extractants in Tropical Soils Contaminated with Copper<br><i>Abdul Kadir Salam</i>   |
| 10.37-10.44       | ID 67                 | Estimated Sediment Exports and Erosion In Central Citarum Watershed<br><i>Jaka Suryanta, Irmadi Nahib, Mulyanto Darmawan, Fahmi Amhar, I Putu Santika and Yudi Wahyudin</i>  |
| 10.44-10.51       | ID 77                 | Foliar fertilizers improved fruit set and yield of cayenne pepper ( <i>Capsicum frutescens</i> L.) grown off-season<br><i>I Komang Damar Jaya, Khairina Umami, M. Zaenal Arifin, Dwi Ratna Anugrahwati and Baiq Erna Listiana</i>            |
| 10.51-10.56       | Discussion            |  |
| 10.56-11.03       | ID 86                 | Disease incidence of fusarium wilt in organic garlic cultivation with compost plus <i>Gliocladium</i> on endemic land<br><i>Hadiwiyono Hadiwiyono, Susilo Hambeg Poromarto, Supyani Supyani, Salim Widono and Dwiwiyati Nurul Septiriani</i> |
| 11.03-11.10       | ID 90                 | Assesment Of Seed Quality Of Constrating Rice Seed Cultivar<br><i>Aiman Hanafi Mohamad Fauzi, Siti Maslizah Abdul Rahman and Nur Suraya Abdullah</i>   |
| 11.10-11.17       | ID 107                | Analysis of bacterial community from the rhizosphere of shallots ( <i>Allium ascalonicum</i> L.), in Brebes, Central Java using Next Generation Sequencing (NGS) approach<br><i>Retno Rosariastuti, Sutami, Sumani and Sri Hartati</i>       |
| 11.17-11.22       | Discussion            |  |
| 11.22-11.29       | ID 112                | Growth Analysis Of Soybean In Application Of Biochar And Organic Fertilizer Under Kayu Putih Stand<br><i>Aprilia Ike Nurmalasari and Annisa Dian Arviana</i>   |
| 11.29-11.36       | ID 139                | Morphological and Physiological Responses of Soybeans to Organic Fertilizers in Mahogany-Based Agroforestry Systems<br><i>Desy Setyaningrum, Maria Theresia Sri Budiastuti, Djoko Purnomo and Sudadi Sudadi</i>                              |
| 11.36-11.43       | ID 160                | Institutions To Improve Farmers' Resilience In Facing Climate Change<br><i>Barokatuminalloh Barokatuminalloh, Neni Widayaningsih and Oke Setiarso</i>  |
| 11.43-11.50       | ID 9                  | Selection Of Mutants Of Short Stem Rice Mentik Wangi Generation M4 Results Of Gamma Ray Irradiation 250 Gray<br><i>Ahmad Yunus, Parjanto, Nandariyah and Prakosa</i>   |
| 11.50-11.55       | Discussion            |  |
| 11.55-12.05       | Closing               |  |

## Room 5. Eco Friendly Design and Smart Farming

Date : 24 August 2022

Place : Zoom <https://bit.ly/icsae9-room5>

Meeting ID: 961 1853 0561 Passcode: 257055

| Time (GMT+7) | Activities/ID                              | Title   |
|--------------|--|---|
| 07.30-08.00  | Presenters and participants enter the room |   |
| 08.00-08.10  | Opening by Room Chair                      |   |
| 08.10-08.17  | ID 19                                      | Different manure management systems in beef cattle feedlots as sustainability strategy in Lampung, Indonesia<br><i>Mohammad Ikhsan Shiddieqy, Muhamad Nasir Rofiq and Yeni Widiawati</i>  |
| 08.17-08.24  | ID 97                                      | Identification on chemical organic compounds of pericarp nutmeg <i>Myristica fragrans</i> north minahasa by using GC-MS<br><i>Frangky J. Paat, Marjam M. Toding, Sandra E. Pakasi and Resky J R Linggi</i>  |
| 08.24-08.31  | ID 78                                      | Synthesizing and characterization of CA/ZnO electrospun nanofiber as seed coating material for enhanced aerob paddy seed germination<br><i>Nur Syuhadatul Husna Husny Zaim, Siti Maslizah Abdul Rahman and Huey Ling Tan</i>                      |
| 08.31-08.36  | Discussion                                 |   |
| 08.36-08.43  | ID 103                                     | Apron effectiveness of convection waste Materials in reducing ultraviolet light exposure (UV) On Skin Irritation in Welding Workers in Paron District, Ngawi<br><i>Deni Setiawan</i>  |
| 08.43-08.50  | ID 108                                     | Optimization of Material Formulation and Process Parameters in Canna Edulis Starch-Based Biofoam Synthesis<br><i>Layliya Ramadhina Putri Afandi and Azmi Alvian Gabriel</i>   |
| 08.50-08.57  | ID 136                                     | Effect of Organic Pellet Binder on Physic and Nutrient Quality as an Environmentally friendly Feed Product<br><i>Ruslan Abdul Gopar, Satria Maulana, Putut Suryo Negoro, Hikmah Agustina Parastiwi, Windu Negara and Muhamad Nasir Rofiq</i>      |
| 08.57-09.02  | Discussion                                 |   |
| 09.02-09.09  | ID 137                                     | Utilization of plastic bottle waste in eco-friendly wayang design for childrens<br><i>Jazuli Abdin Munib, Bani Sudardi, Titis Srimuda Pitana and Rahmanu Widayat</i>  |
| 09.09-09.16  | ID 141                                     | Jeans Waste Based Textile Design Works For Aesthetic Elements at LEVI'S Indonesia Office in Jakarta<br><i>Ratna Endah Santoso and Sigit Purnomo Adi</i>   |
| 09.16-09.23  | ID 164                                     | The Characteristics of Soil Organic Carbon (SOC) at Forest Stands of Mount-Merbabu National Park and Upland Farming<br><i>Jaka Suyana, Wisnu Krismonanto, Endang Setia Muliawati, Hery Widijanto and Sri Hartati</i>                              |
| 09.23-09.28  | Discussion                                 |   |
| 09.28-09.35  | ID 195                                     | The Effect of Role Playing Activities with Finger Puppets Made from Recycled as a Media for Independent Intervention for 'Daily Living' Children with Down Syndrome<br><i>Ercilia Rini Octavia and Muhizam Bin Mustafa</i>                        |
| 09.35-09.42  | ID 199                                     | Utilization of Household Waste As a Supporter of Sensory Coordination Interventions for Early Childhood Down Syndrome<br><i>Ercilia Rini Octavia and Muhizam Bin Mustafa</i>  |
| 09.42-09.49  | ID 204                                     | Analysis Of The Utilization Of Rice Seeds Of Improved Variety (INPARI 32) In Indramayu District, West Java<br><i>Adang Agustian, Rizma Aldillah, Eka Nurjati, Umikaromah Yaumidin, Chairul Muslim, Ening Ariningsih and Rikareviza Rachmawati</i> |
| 09.49-09.54  | Discussion                                 |   |
| 09.54-10.20  | Break                                      |   |

| Room 5 (Continue) |                       |  |
|-------------------|-----------------------|--|
| Time (GMT+7)      | Activities/ID         | Title  |
| 10.20-10.30       | Opening by Room Chair |  |
| 10.30-10.37       | ID 44                 | UV absorbing substances in the Indonesian starfish <i>Archaster typycus</i><br><i>Delfly Abdjul</i>  |
| 10.37-10.44       | ID 49                 | E-Agribusiness: Key Success Factors of the Agri-Entrepreneurs to conquer the Market<br><i>Sehrish Tariq, Selvakkumar K N Vaiappuri, Fazleen Binti Abdul Fatah, Abdul Rahman Saili and Ghulam Mustafa</i>   |
| 10.44-10.51       | ID 64                 | Readiness Of Implementation Towards Internet Of Things (IoT) System On The Bachelor Degree Final Year Students Of Agricultural Programs<br><i>Muhamad Nazarwin Zainal Abidin and Ts. Dr. Fazleen Abdul Fatah</i>   |
| 10.51-10.56       | Discussion            |  |
| 10.56-11.03       | ID 74                 | Phenotype and Lignin Content of GH 51 Black Rice Mutant<br><i>Ristatina Id, Nandariyah Nandariyah, Parjanto Parjanto and Riyatun Riyatun</i>   |
| 11.03-11.10       | ID 102                | The Analysis Strategies of Catfish Farming Based on Chicken Fertilizer Utilized the Model CLD<br><i>Khairun Nisa</i>   |
| 11.10-11.17       | ID 115                | Land management practices and its effect on soil properties in smallholder oil palm plantations, Jambi Province, Indonesia<br><i>Fathia Rifka Aunillah, Endang Listyarini, Setiari Marwanto, Dila Aksani, Kiki Zakiah and Rahmah Dewi Yustika</i>                                |
| 11.17-11.22       | Discussion            |  |
| 11.22-11.29       | ID 117                | Adoption of Smart Farming Technology Among Rice Farmers<br><i>Wan Nur Aisyah Abdul Raof, Nur Badriyah Kamarul Zaman, Selvakkumar K N Vaiappuri, Nur Maizatul Idayu Othman and Abdul Rahman Saili</i>   |
| 11.29-11.36       | ID 131                | Effect of Planting Media Composition and Watering Time Interval on Sambiloto Growth<br><i>Bambang Pujiasmanto, Eddy Triharyanto, Sulandjari Sulandjari, Puji Harsono, Pardono Pardono, Desy Setyaningrum and Sylvatera Puspitasari</i>   |
| 11.36-11.43       | ID 134                | Effect of Media Type and Method of Sterilization on Growth of Porang ( <i>Amorphophallus muelleri</i> ) Shoots In Vitro<br><i>Eddy Triharyanto and Afifah Wahyuning Ramadhany</i>  |
| 11.43-11.48       | Discussion            |  |
| 11.48-11.55       | ID 174                | Smart IoT-Based Misting System of <i>Capsicum frutescens</i> Seed Germination for Sustainable Agriculture<br><i>Mohamad Zaharudin Sariman, Muhamad Faiz Hisham, Abdul Muhaimin Mohd Shafie, Azmi Aminordin, Mohd Muhyiddin Mustafa and Hamdan Sulaiman</i>                       |
| 11.55-12.02       | ID 182                | Effect Of Various Photoperiod Towards Lollo Bionda Growth Using IoT Based Lighting Control For Indoor Hydroponic Farming System<br><i>Abdul Muhaimin Mohd Shafie, Muhammad Aiman Azlan, Mohamad Zaharudin Sariman, Mohd Muhyiddin Mustafa, Hamdan Sulaiman and Fairuz Khalid</i> |
| 12.02-12.09       | ID 206                | Yield and seed size stability analysis of black soybean lines derived from gamma rays irradiation<br><i>Tarmizi, Muhammad Iqbal, Anisiyah, Yuliasti, Lilik Harsanti, Arwin and Winda Puspitasari</i>   |
| 12.09-12.14       | Discussion            |  |
| 12.14-12.24       | Closing               |  |



## Room 6. Other Related Topic in Sustainable Agriculture and Environment

Date : 24 August 2022

Place : Zoom <https://bit.ly/icsae9-room6>

Meeting ID: 943 8834 1303 Passcode: 796237

| Time (GMT+7) | Activities/ID                              | Title  |
|--------------|--|--|
| 07.30-08.00  | Presenters and participants enter the room |  |
| 08.00-08.10  | Opening by Room Chair                      |  |
| 08.10-08.17  | ID 8                                       | Diversity of Medicinal Plants for Fitness Disorders Treatment in Papua and West Papua, Indonesia<br><i>Nuning Rahmawati, Rohmat Mujahid, Ika Yanti Marfuatush Sholikhah, Sari Haryanti, Dyah Subositi and Harto Widodo</i>                     |
| 08.17-08.24  | ID 76                                      | Effect of extraction method on the flavonoid content of potential medicinal plant <i>Phyllanthus niruri</i> L.<br><i>Rikania Reninta, Winda Nawfetriyas, Armelia Tanjung, Noorwitri Utami, Dwi Pangesti Handayani and Djatmiko Pinardi</i>     |
| 08.24-08.31  | ID 79                                      | Networking capabilities of milenial farmers in Central Java<br><i>Erylna Riptanti, Mohammad Harisudin, Kusnandar Kusnandar, Isti Khomah, Nuning Setyowati and Rr Qonita</i>  |
| 08.31-08.36  | Discussion                                 |  |
| 08.36-08.43  | ID 80                                      | Genetic Diversity of <i>Graptophyllum pictum</i> (L.) Griff. (Daun Ungu) Based on Inter-Simple Sequence Repeats (ISSR)<br><i>Dyah Subositi</i>   |
| 08.43-08.50  | ID 83                                      | Utilization of tannin from chestnut as a protective agent in slow release urea: An in vitro rumen fermentation study<br><i>Feggie Feggie, Sandi Nayohan, Komang G. Wiryawan and Anuraga Jayanegara</i>   |
| 08.50-08.57  | ID 125                                     | Increasing Secondary Metabolites Production of <i>Phyllanthus</i> to Support Development of Herbal Medicine Industry<br><i>Noorwitri Utami, Irna S Bidara, Juwartina I Royani, Rikania Reninta, Ita Dwimahyani and Daru Mulyono</i>            |
| 08.57-09.02  | Discussion                                 |  |
| 09.02-09.09  | ID 132                                     | Morphological Identification of <i>Ciplukan</i> ( <i>Physalis angulata</i> L.) at Several Height for Domestication<br><i>Bambang Pujiasmanto, Maria Theresia Sri Budiastuti, Supriyono Supriyono and Desy Setyaningrum</i>                     |
| 09.09-09.16  | ID 148                                     | The Growth Response and Nutritional Status of Eggplant ( <i>Solanum Melongena</i> L.) Planted in Soil Incorporated with Oyster Mushroom Waste<br><i>Wellzerlin Bisop, Mohammad Mu'Az Hashim and Hasmah Mohidin</i>                             |
| 09.16-09.23  | ID 149                                     | The Effect of Empty Fruit Bunch (EFB) Compost and <i>Trichoderma</i> Biofertilizer on Growth and Yield Performance of Chili ( <i>Capsicum annum</i> L. var <i>Kulai</i> )<br><i>Connielia Kio Tangga, Hasmah Mohidin and Shamsiah Abdullah</i> |
| 09.23-09.28  | Discussion                                 |  |
| 09.28-09.35  | ID 162                                     | Functional Food Rich In Flavonoids To Prevent Corona Virus: Opportunities And Challenges<br><i>Christina Winarti and Sintha Suhirman</i>   |
| 09.35-09.42  | ID 168                                     | Biofortification in an effort to meet micro Fe nutrients using Moringa leaf extract ( <i>Moringa oleifera</i> ) on rice plants<br><i>Srie J Rachmawatie, Edi Purwanto, Amalia T Sakya and Widyatmani S Dewi</i>                                |
| 09.42-09.49  | ID 173                                     | Effects of biochar-compost (BioCom) on cadmium availability and plant growth<br><i>Joseph Garry Jemi, Norazlina Abu Sari, Nur Maizatul Idayu Othman and Mohd Aizuddin Masuri</i>   |
| 09.49-09.54  | Discussion                                 |  |
| 09.54-10.20  | Break                                      |  |

| Room 6 (Continue) |                       |   |
|-------------------|-----------------------|---|
| Time (GMT+7)      | Activities/ID         | Title   |
| 10.20-10.30       | Opening by Room Chair |   |
| 10.30-10.37       | ID 13                 | Structural Transformation And Poverty Reduction: Case Study In West Kalimantan Province<br><i>Rahmatullah Rizieq and Ekawati Ekawati</i>  |
| 10.37-10.44       | ID 33                 | Empowerment of Women Tea Pickers (A Case Study on Lawu Mountainside in Karanganyar Regency)<br><i>Suwarto Suwarto, Sapja Anantanyu, Joko Winarno, Putri Permatasari and Agung Wibowo</i>  |
| 10.44-10.51       | ID 43                 | Participation of Children's Forum in the development of child-friendly public spaces as smoke-free areas<br><i>Sri Yuliani, Mahendra Wijaya, Supriyadi S.N and Retno Setyowati</i>  |
| 10.51-10.56       | Discussion            |   |
| 10.56-11.03       | ID 53                 | Effects of Precursor Feeding of Phenylalanine on Accumulation of Selected Flavonoids in Adventitious Root Suspension Cultures of <i>Boesenbergia rotunda</i> (L.) Mansf.<br><i>Khairunnisa Abd. Ghani, Nor Azma Yusuf and Norzulaani Khalid</i>   |
| 11.03-11.10       | ID 54                 | Analysis of The Effect of Macroeconomics and Access to Health Services on Stunting Interprovince in Indonesia<br><i>Reni Eka Septiani, Tri Mulyaningsih and Mulyanto</i>  |
| 11.10-11.17       | ID 55                 | Revitalization Boh gadong as ethnobotanical garden in Simeulue Island<br><i>Tasnim Lubis, Abiyulail Alatas Abus, Delima Delima, Nurul Adilla Alatas Abus and Achdial Farhan Abus</i>  |
| 11.17-11.22       | Discussion            |   |
| 11.22-11.29       | ID 56                 | Food security campaign toward sustainable goals of agriculture in Simeulue Island<br><i>Achdial Farhan Abus, Tasnim Lubis, Abiyulail Alatas Abus, Nanda Sahputra and Nurul Adilla Alatas Abus</i>   |
| 11.29-11.36       | ID 87                 | Decrease in population of <i>Ditylenchus dipsaci</i> in garlic cultivation with the application of mycorrhizae and organic fertilizers<br><i>Susilo Hambeg Poromarto, Hadiwiyono Hadiwiyono, Supyani Supyani, Salim Widono, Dwiwiyati Nurul Septiriani and Krisna Hermawan</i>                  |
| 11.36-11.43       | ID 116                | Chemical composition of brown and red algae from Kelapa Beach, Tuban, East Java and their potential as Ruminant Feed<br><i>Nur Hidayah, Cuk Tri Noviandi, Andriyani Astuti and Kustantinah Kustantinah</i>  |
| 11.43-11.48       | Discussion            |   |
| 11.48-11.55       | ID 147                | Analysis of Indonesian Edible Bird's Nest Exports to China and Hong Kong in 2017 – 2021<br><i>Hamka Halkam, Eymal Bahsar Demmallino, M. Saleh S. Ali and Sultan Suhab</i>   |
| 11.55-12.02       | ID 194                | Cytotoxic Activity Of <i>Acalypha wilkesiana</i> Mull.Arg., <i>Ziziphus nummularia</i> (Burm.f.) Wight & Arn., and <i>Glochidion zeylanicum</i> (Gaertn.) A.Juss. on 4T1 Breast Cancer Cell Line<br><i>Ika Yanti Marfuatush Sholikhah, Sari Haryanti, Yuli Widiyastuti and Nuning Rahmawati</i> |
| 12.02-12.09       | ID 197                | Women's Empowerment on Food Security<br><i>Dwi Prasetyani and Amelia Choya Tia Rosalia</i>  |
| 12.09-12.14       | Discussion            |   |
| 12.14-12.24       | Closing               |   |

# | Digital Poster Show List

## Poster Show 1. Eco Friendly for Product Design

Date : 24 August 2022

Time : 08.00-13.00 (GMT+7)

Place : <https://icsae.id>

| ID     | Title   |
|--------|---|
| ID 14  | Establishing a co-design framework for disaster mitigation agenda in the urban context. A Case study: SIBAT Solo<br><i>Andi Setiawan, Ahmad Ramdhon and Lira A Utami</i>  |
| ID 22  | The Natural Color Utilization of Indigofera Substance for Batik Development<br><i>Sarwono, Darwoto and Sigit Purnomo Adi</i>  |
| ID 38  | Building a Food Sovereign Society Through Indigenous Forest Establishment Policy<br><i>Anti Mayastuti, Mohammad Jamin and Hari Purwadi</i>  |
| ID 60  | An environmentally friendly one-pot synthesis method of 1,4 dihydropyridines through Hantzsch reaction<br><i>Stiti Mohamed Zakaria, Habila Tahir and Khelili Smail</i>  |
| ID 93  | Finishing the King's Throne Replica on the Reliefs of the Borobudur Temple Environmentally Friendly Furniture Solutions.<br><i>Rahmanu Widayat and Anung Studyanto</i>  |
| ID 94  | Swallow Ornament as an Identity for the Sustainability of Gebangsari Kebumen Pottery Existence<br><i>Desy Nurcahyanti, Sayidah Mafisah Nurromadhoni and Novita Wahyuningsih</i>                                 |
| ID 99  | Cilacap Batik: Natural Dyes with Main Motifs of Marine Life and <i>Dipterocarpus littoralis</i> (Pelahlar)<br><i>Theresia Widiastuti, Apika N. Sulistyati, Darwoto, Felix A. Dartono and Sarah R. Handayani</i> |
| ID 118 | Ecoprinting with Weed Plant: Utilization of Cacabebean ( <i>Ludwigia octovalvis</i> ) and Ketul ( <i>Biden pilosa</i> ) as Ecoprint Natural Dyes<br><i>Khori Y. Pratiwi and Apika N. Sulistyati</i>             |
| ID 119 | Eco-Art Trend Based On Eco-Culture In The Painting Works Of Young Indonesian Artists<br><i>Setyo Budi and Narsen Afatara</i>  |
| ID 153 | Pari Klegung 'The River Whisper' Eco Friendly Study<br><i>Anung Studyanto, Andrik Purwasito, Warty Warty and Rahmanu Widayat</i>  |
| ID 157 | Sustainable Artwork with Nature Theme by The Jakarta Modernist Painters: Zaini, Rusli, Nashar, and Oesman Effendi<br><i>Anna Sungkar and Desy Nurcahyanti</i>   |
| ID 177 | Eco-brick Infographic Animation as a Campaign Medium for Plastic Waste Management in Yogyakarta Special Region<br><i>Deny Tri Ardianto and Rizky Ardhani</i>  |
| ID 181 | Creative Strategies for Utilizing Glass and Fabric Waste<br><i>Ambar Mulyono, Pandu Purwandaru, Anung B Studyanto and Nurhayatu Nufut Alimin</i>  |
| ID 184 | Generation Z's Preference For Choosing A Visual Animation Style As A Medium For Promoting Environmental Sustainability<br><i>Arief Iman Santoso</i>   |
| ID 188 | Video Art as Environmental Communication Media for The Problem of Plastic Waste in Solo City<br><i>Bedjo Riyanto, Nurhayatu Nufut Alimin, Setyawan Setyawan and Rahmanu Widayat</i>                             |
| ID 190 | Interior Accessories Product Design using Fabric Rope from Patchwork Waste<br><i>Nurhayatu Nufut Alimin, Endri Sintiana Murni, Dwi Cahyani, Nurul Aini and Ambar Mulyono</i>                                    |

## Poster Show 2. Sustainable Development in Agriculture and Environment

Date : 24 August 2022

Time : 08.00-13.00 (GMT+7)

Place : <https://icsae.id>

| ID     | Title and Author  |
|--------|---|
| ID 9   | Selection Of Mutants Of Short Stem Rice Mentik Wangi Generation M4 Results Of Gamma Ray Irradiation 250 Gray<br><i>Ahmad Yunus, Parjanto, Nandariyah and Prakosa</i>  |
| ID 21  | Field Application of VP3 Biofertilizer on Soybeans (Glycine Max L.) and Yield Comparison with Four Biofertilizers Sold in the Market<br><i>Novi Arfarita</i>  |
| ID 26  | EIA/AMDAL In Risk Society: A Study In Developing Country Indonesia<br><i>Toni Kumayza and Sundek Hariyadi</i>   |
| ID 31  | Motion Graphic Design As Media Zero Waste Lifestyle Campaign For Indonesian People<br><i>Bunga Chathelya Lestari and Jazuli Abdin Munib</i>   |
| ID 32  | Economic Impact of the Walikota Solo Cup 2022<br><i>Rumi Doewes, Sapta Kunta Purnama and Islahuzzaman Nuryadin</i>  |
| ID 34  | Chromosome of Phaius tankervilleae and Phaius amboinensis Orchid<br><i>Sri Hartati, Parjanto Parjanto, Sukaya Sukaya, Endang Setia Muliawati, Nandariyah Nandariyah, Endang Yuniastuti, Ida Rumia Manurung and Cahyadi Wisnu Wardhana Purmiyoto</i>                     |
| ID 39  | Effect of iaa and bap concentrations on the growth of matoa (Pometia pinnata) plants in vitro<br><i>Endang Yuniastuti, Annisa Dina Pratami, Sukaya Sukaya and Imanovta Icti Santoso Putri</i>   |
| ID 46  | Evaluation Of Different Herbicides Application Towards Weed Population And Aerobic Rice Performance<br><i>Siti Nur Anisah Aani, Muhammad Saiful Ahmad Hamdani And Abd Shukor Juraimi</i>  |
| ID 57  | The Characteristics of Teapots Made of Plastic and Clay: What are their Designs, Functions and Impacts on the Environment?<br><i>Joko Lulut Amboro, Andrik Purwasito, Wanto Wanto and Dwi Prasetyani</i>  |
| ID 59  | GC-MS analysis of bioactive compounds from leaves extract of Melastoma malabatricum, Clidemia hirta, Chromolaena odorata, and Ageratum conyzoides<br><i>Nurul Hana Ismail, Nur'Amira Hamid, Wan Zuraida Wan Mohd Zain, Fazlena Hamzah and Siti Noor Hajjar Md Latip</i> |
| ID 62  | Antioxidant and GC-MS Analysis of Cyperus iria, Fimbristylis miliacea, and Fimbristylis globulosa<br><i>Nina Asqalani Abdullah, Wan Zuraida Wan Mohd Zain, Nurul Wahida Ramli, Nur'Amira Hamid and Fazlena Hamzah</i>   |
| ID 98  | Comparing Environmental Policy: Observational Case of Government Website of Surakarta, Indonesia and Pingtung, Taiwan<br><i>Rino Ardhian Nugroho, Septyanto Galan Prakoso, Kartika Nur Hidayati and Ismi Dwi Astuti Nurhaeni</i>  |
| ID 110 | Information flow among farmers in the acceleration of agriculture 4.0<br><i>Emi Widiyanti, Prahastiwi Utari and Dwiningtyas Padmaningrum</i>  |
| ID 123 | Tenure of Agricultural Assets as a Determinant of Income for Farmers Affected by Policy on National Strategic Project Development in Klaten Regency<br><i>Bekti Wahyu Utami, Sunarru Samsi Hariadi and Alia Bihrajihant Raya</i>  |
| ID 159 | Context of function and aesthetics in disaster mitigation comics<br><i>Sayid Mataram</i>  |
| ID 161 | The effects of Isomalto-oligosaccharide, Inulin, and Polydextrose on the Development of Sugar-Free Pineapple Jam<br><i>Michelle Michelle and Diana Lo</i>   |
| ID 163 | Public Service Ads Video, An Invitation To Dispose Of Waste In Its Place<br><i>Arif Wicaksono</i>   |