

RUNDOWN

**3rd International Conference on Innovation in Technology and Management
for Sustainable Agroindustry (3rd ITaMSA) 2023
September, 19 – 20th 2023**

Time (GMT +7)	Tuesday, September 19 th 2023
08.00 – 09.00	Registration
09.00 – 09.50	<ul style="list-style-type: none"> • Opening Ceremony • Report from the Chairperson of the Organizing Committee Prof. Dr. Ono Suparno, S.TP, M.T • Welcoming address from Dean of The Faculty of Agricultural Technology Bogor Agricultural University (IPB) Prof. Dr. Ir. Slamet Budijanto, M.Agr. • Opening address from the Rector of Bogor Agricultural University (IPB) Prof. Dr. Arif Satria, S.P, MS • Keynote speech Minister for National Development Planning, Republic of Indonesia* Dr. (HC) Ir. H. Suharso Monoarfa, M.A
09.50 – 10.00	Photo Session
10.00 – 11.40	Plenary session Day I Moderator: Prof. Dr. Ir. Anas Miftah Fauzi, M.Eng
(10.00 – 10.10)	Introduction of the moderator and the invited speakers
(10.10 – 10.30)	Prof. Jordan Ermilio <i>Circular economy for sustainable agroindustry to achieve the SDGs goals</i>
(10.30 – 10.50)	Prof. Dr.Ing. Ir. Suprihatin <i>Recent conditions or research to support the circular economy in sustainable agroindustry.</i>
(10.50 – 11.10)	Dr. Colleen MacMilan <i>Fashion waste strategy</i>
(11.10 – 11.30)	Prof. Dr. Matthias Kleinke <i>Circular economy in environmental perspective for sustainable agroindustry</i>
11.30 – 12.00	Q & A
12.00 – 13.00	Lunch break

13.00 – 17.00	Parallel session
Time	Wednesday, September 20th 2023
08.00 – 09.00	Registration
09.00 – 10.20	Plenary session Day II – 1 st round Moderator: Prof. Dr. Ir. Illah Sailah, M.S
(09.00 – 09.20)	Prof. Yukiko Enomoto, Ph.D <i>Eco-friendly material in a circular economy to achieve the SDGs goals</i>
(09.20 – 09.40)	Prof. Eriyatno <i>Bottleneck and payoffs along the value chain in reducing food loss in selected perishable horticulture commodities</i>
(09.40 – 10.00)	Cheyu Hung, Ph.D <i>Implementation and application of data science in circular economy</i>
10.00 – 10.20	Q & A 1 st Round
(10.20 – 10.40)	Naruemon Taksaudom <i>Sustainable business practices that attached importance to the environment in a circular economy perspective</i>
(10.40 – 11.00)	Dr. Irdika Mansyur <i>The development of essential oil as an implementation of one approach to the circular economy</i>
(11.00 – 11.20)	Adhyaksa Rahmat Lolotan, MBA <i>Logistics in a circular economy</i>
11.20 – 11.40	Q & A 2 nd Round
11.40 – 12.00	Closing Ceremony

SCHEDULE OF PARALLEL SESSION

3rd International Conference on Innovation in Technology and Management for Sustainable Agroindustry (3rd ITaMSA) 2023

1. Parallel 1

Date : Tuesday (Sept 19, 2023)
 Topic : Innovative and Sustainable Agro-industry Business Model
 Moderator : Prof. Dr.Eng, Taufik Djatna, M.Si
 Notulis/MC : Anastasia Fidella Carmelita
 Host : Lolita Anggareni, S.E, M.M
 Link Zoom : <https://ipb-university.zoom.us/j/95428654049?pwd=ci9taS9lYmtpVlRabjg0dkdROUcyUT09>
 Meeting ID: 954 2865 4049
 Passcode: itamsa2023

Time (GMT +7)	Paper ID	Title and Author
13.00- 14.00	Paper_3	Situasional Analysis of Human Resources Agroindustry Sugarcane Indonesia in the Industrial Era 4.0 <i>Mursiti, Illah Sailah, Marimin, Muhammad Romli, Alex Denni</i>
	Paper_4	Agro-Industrial Sustainability and Competitiveness through Business Model: A Systematic Literature Review <i>Tuti Ermawati and Ragil Yoga Edi</i>
	Paper_5	Effectiveness of Value-Added Input-Output Method in Upstream and Midstream Supply Chain Network of Sunflower Agro-industry <i>Nunung Nurhasanah, Ginang Natilla Adlina, Isna Ibnah Mudrikah, Ahmad Chirzun, Iphov Kumala Sriwana</i>
	Paper_6	Assurance of Halal Beef Products Using a Traceability System in Enterprise Resource Planning Applications <i>Adhi Kusnadi</i>
	Paper_24	Halal Supply Chain Performance Measurement Model Involving Traceability Aspects: A Study in A Chicken Slaughterhouse <i>Rahmadiani Ikhwanisa, Resista Vikaliana, Yelita Anggiane Iskandar</i>
14.00 - 15.00	Paper_11	Gen Z Perception Of Halal Supply Chain Implementation In The Cosmetic Industry <i>Dini Wahyuni, Theresia Hasian</i>

Time (GMT +7)	Paper ID	Title and Author
	Paper_13	Should Bank Provide Insurance for Horticultural Crop Damage? (A Stackelberg Game Approach) <i>Januardi, Che-Yu Hung</i>
	Paper_15	The Simultaneous Effect Of Credit On Sustainable Food Crop Production And Economic Growth Of The Agricultural Sector In Indonesia <i>Yeni Saptia and Rusnani</i>
	Paper_16	Measurement of Raw Material Inventory Performance at Halal Frozen Food Business <i>Dini Wahyuni, Mohammad Azmi Fadli, Irwan Budiman</i>
	Paper_20	Socioeconomic and technical feasibility of cajuput oil (Melaleuca cajuput Powell) distillation business <i>RN Mahmudah, B Dharmawan, and S Sujianto</i>
15.00 - 16.00	Paper_21	Strategies for Enhancing the Sustainability of Agroindustry through Technological Innovation: A Bibliometric and Thematic Analysis <i>Huda M. Elmatsani, Eko B. Susetyo, Puji Astuti, Sari Intan Kailaku, Sitti Ramlah, Noveria Sjafrina, Amos Lukas, Arief Arianto, Sahlan, S. Joni Munarso</i>
	Paper_23	Digital Technology in Agroindustry Sustainability Achievement: Bibliometric and Content Analysis <i>Noveria Sjafrina, Sari Intan Kailaku, Eko B. Susetyo, Puji Astuti, Sitti Ramlah, Amos Lukas, Arief Arianto, Sahlan, Huda M. Elmatsani, S. Joni Munarso</i>
	Paper_10	Designing Risk Mitigation Strategies for Agricultural Supply Chain: A Supply Chain Finance-Based Approach <i>A Profita, DKR Kuncoro, Muhammad Reza Baihaqi</i>
	Paper_25	Techno-Economic Analysis of Fermented Drinks from Cilembu Sweet Potatoes <i>Dia Dwi Ramadahan, Puspita Nurlilasari, Rahmat Budiarto.</i>
	Paper_26	How important is the traceability of fresh fruit according to consumers? : A Rasch Model <i>Resista Vikaliana, Raja Zuraidah Raja Mohn Rasi, I Nyoman Pujawan, Irwansyah</i>

2. Parallel 2

Date : Tuesday (Sept 19, 2023)
 Topic : Innovative and Sustainable Agro-industry Business Model
 Moderator : Prof. Dr. Ir. Marimin, M.Sc
 Notulis/MC : Muhammad Ihza Nugraha
 Host : Anto Eka, STP
 Link Zoom : <https://ipb-university.zoom.us/j/95428654049?pwd=ci9taS9lYmtpVlRabjg0dkdROUcyUT09>
 Meeting ID: 954 2865 4049
 Passcode: itamsa2023

Time (GMT +7)	Paper ID	Title and Author
13.00-14.00	Paper_29	Analysis of Transformational Leadership, Organizational Culture, and Work Stress on Employee Performance in Agroindustry <i>Ksatria Refo Harnawan Putra, Suharno, Didik Purwadi</i>
	Paper_31	Optimizing negotiation process of buyer-supplier collaboration in the Gambier supply chain <i>S Anwar, I Ekawati, D Ramadian,</i>
	Paper_34	Study on commercialization of seed new superior rice varieties in Central Kalimantan <i>Twenty Liana, Eddy Lion, Hendra Toni</i>
	Paper_35	Time Series Forecasting for Environmentally Friendly Production in Improving Tea Quality <i>Nismah Panjaitan and Clarisa Deswanti Sihombing</i>
	Paper_37	Lighting Layout Design at Cigarette Paper Packaging Station for Energy Efficiency <i>Anizar and Evi Nurliza</i>
14.00 - 15.00	Paper_38	Analysis of the Institutional Risk of the Halal Supply Chain in the Micro-Scale Potato Chips Industry Cluster Using the SCOR Method <i>Yuyun Pujiastuti, Siti Asmaul Mustaniroh, Sucipto Sucipto</i>
	Paper_39	Measures of The Success of New Product Development Process At PT XYZ <i>Nathasa Indah Paninngan, Elisa Anggraeni, Budi Agus Pranoto</i>

Time (GMT +7)	Paper ID	Title and Author
	Paper_41	Community development of a business ecosystem in planting media commodities (Gotthai) with One Village One CEO Program: a case study of Cianjur <i>AS Slamet, H Purwawangsa, BP Prawiro, M Isbayu, MI Irfany, Supriyanto , DA Haq</i>
	Paper_42	The role of the community in preserving coffee and the environment with One Village One CEO Program: a case study of Cikajang coffee farmers <i>H Purwawangsa, AS Slamet, BP Prawiro, M Isbayu, MI Irfany, Supriyanto, DA Haq</i>
	Paper_43	Existing Condition Analysis and Business Models Identification of Rice Farmer Corporation <i>Bubun Muhammad Hasbulloh, Ono Suparno, Elisa Anggraeni, Asep Taryana, Gatot Pramuhadi</i>
15.00 - 16.00	Paper_47	Procurement for the Green Coffee Using Autoregressive Integrated Moving Average in Agroindustry Kalibaru, Banyuwangi <i>Khotijah, Taufik Djatna, Marimin</i>
	Paper_48	Production Layout Design of Ginger Leather Candies at Sari Sehat, Bogor <i>Hartrisari Hardjomidjojo and Diaswan Rafi Fauzan</i>
	Paper_50	Conceptual agroindustry for refining nutmeg essential oil based on circular economy <i>Tanto Pratondo Utomo, Sri Hidayati, Dewi Sartika, Suharyono, Widia Rini Hartari</i>
	Paper_51	Investigation of the Supply Chain Design Process of Sustainable Shisha Briquette Production System <i>Solihin, Solihin, , Taufik Djatna, , Erliza Hambali, Hartrisari Hardjomidjyo</i>
	Paper_53	IoT Model for Production House Control from the Development of Wetland Commodity Start-up <i>Hesty Heryani, Noor Ridha Yanti, Herry Irawansyah, Nuruddin Wiranda, Andreyan Rizky Baskara</i>

3. Parallel 3

Date : Tuesday (Sept 19, 2023)
 Topic : Innovative and Sustainable Agro-industry Business Model
 Moderator : Dr. Ir. Dwi Setyaningsih, M.Si
 Notulis/MC : Nabil Muzhaffar
 Host : Yulianti
 Link Zoom : <https://ipb-university.zoom.us/j/95428654049?pwd=ci9taS9lYmtpVlRabjg0dkdROUcyUT09>
 Meeting ID: 954 2865 4049
 Passcode: itamsa2023

Time (GMT +7)	Paper ID	Title and Author
13.00-14.00	Paper_1	Development of Biodegradable Plastic Based on Corn Starch and Cabe Jamu Extract as Natural Antioxidants <i>Nurmalisa Lisdayana</i>
	Paper_2	Molecular Docking and ADMET Studies to Investigate Antioxidant Potency of New Amides of Piper retrofractum Vahl. by Targeting Keap1 Inhibitor <i>Enung Siti Nurhidayah, Darimiyya Hidayati, Risqina Amily Habiba, Syafira Maulidya</i>
	Paper_7	Optimizing Seaweed Capsule Shell Formula with Multiple Disintegrants to Accelerate Disintegration Time <i>M Soraya, H Laksono, H Purwoto, CK Dyah, RPG Putri, I Royanti and DDP Sari</i>
	Paper_8	Closed Loop Process Development of Vegetable Oil Refinery Integration with SBE Processing and Its Application as a Source of Bioenergy <i>A Siswahyu, T Bantacut, NS Indrasti, IA Kartika</i>
	Paper_9	Green Synthesis Of Silica Nanoparticles (SNPS) From Oil Palm Boiler Ash (OPBA) And Its Application To Purification Water: A Review <i>AP Wardanu , NS Indrasti , Suprihatin and F Fahma</i>
14.00 - 15.00	Paper_12	Halochromic Polyaniline as Smart Detector Packaging for Fresh Food <i>AN Fadhila , E Warsiki and S Yuliani</i>
	Paper_17	Review: Natural Fibers for Textile Application

Time (GMT +7)	Paper ID	Title and Author
		<i>Fery Haidir Irawan, Farah Fahma, Afrinal Firmanda, Rini Purnawati, Lisman</i>
	Paper_18	Potential of Aloe Vera as A New Source of Transglutaminase <i>Cahyo Indarto, Wahyu Prihanta and Supriyanto</i>
	Paper_19	The potential of oil palm empty fruit bunches from Blitar Regency Indonesia as a filling material for NPK slow-release fertilizer <i>IA Dewi, F Fahma1, K Syamsu, L Suryanegara3, Y Saito4, A Munif, A Firmanda, R Purnawati</i>
	Paper_22	Enhancing Asphalt Mix Solubility with Sodium Bicarbonate Leavening in Vulcanized Rubber: A Regulatory-Compliant Approach <i>Nasrudin et al</i>
15.00 - 16.00	Paper_30	Simulation of heat transfer and pressure in counter-flow concentric tube type heat exchangers for small industrial scale <i>E Sutoyo and H A Kindi</i>
	Paper_32	Enhancing competitiveness in the Indonesian meat processing industry: a literature review <i>Yosaphat J X Wattie, Ono Suparno, Sapta Raharja, Stephen Zhang</i>
	Paper_40	Softness Indicator Made from Tapioca and Ammonium Molybdate for Avocado <i>Endang Warsiki, Adzimatunur Asfiani, Chananpat Rardniyom</i>
	Paper_45	Fractionation of Nutmeg Oil (<i>Myristica fragrans</i>) Using Spinning Band Distillation <i>Tuti Tutuarima, Erliza Noor, Meika S. Rusli, Dwi Setyaningsih, Sarifah Nurjanah</i>
	Paper_46	The effect of pressure and reflux ratio on the spinning band distillation process on the purity of myristicin isolate from the terpenless fraction of nutmeg oil <i>SF Alawiah, MS Rusli, and S Raharja</i>

4. Parallel 4

Date : Tuesday (Sept 19, 2023)
 Topic : Innovative and Sustainable Agro-industry Business Model
 Moderator : Dr. Ir. Sapta Raharja, DEA
 Notulis/MC : Manda Lavina Nathania
 Host : Sri Martini, S.Kom, M.Si
 Link Zoom : <https://ipb-university.zoom.us/j/95428654049?pwd=ci9taS9lYmtpVlRabjg0dkdROUcyUT09>
 Meeting ID: 954 2865 4049
 Passcode: itamsa2023

Time (GMT +7)	Paper ID	Title and Author
13.00-14.00	Paper_49	Ginger Leather Candy Formulation at CV Sari Sehat Bogor <i>Z Devinarahma, NA Permatasari and H Hardjomidjojo</i>
	Paper_52	The Effect Of Temperature And Packaging Of Black Garlic On Its Characteristics During Storage <i>Illah Sailah, Nikki Fauzi Nugroho, Trina E. Tallei</i>
	Paper_54	Design of Smart Food Packaging Monitoring Model Based on Chipless RFID Sensor <i>Priska Wisudawaty, Sugiarto, Taufik Djatna</i>
	Paper_55	Development of Closed Production Process Model of Virgin Coconut Oil (VCO) <i>Tajuddin Bantacut dan Muhammad Hanafi Nurfuadi</i>
	Paper_14	The Potential of Pengostemon Cablin Benth Cultivation Under Agroforestry In Tropical Dryland Areas <i>Melinda R. S. Moata, Yofris Puay, Musa Frengkianus Banunaek</i>
14.00 - 15.00	Paper_27	Environmental Sustainability Evaluation of Cocoa Husk Utilization for Silage Production: A Life Cycle Approach <i>Devi Maulida Rahmah, Januardi, Shirleen Samantha Halim, Neng Tanty Sofyana, Rahmat Pramulya, Ryozo Noguchi</i>
	Paper_28	Air Pollution Control Model In High Economic Growth Areas; A Case Study Of Dki Jakarta <i>Roy Wangintan, Moh. Yani, Hartrisari Hardjomidjojo, Tania June</i>

Time (GMT +7)	Paper ID	Title and Author
	Paper_36	Improving Tea Powder Production Productivity through the Implementation of Environmental Friendly Principles <i>Nismah Panjaitan, Uli Vinesa Natalia Siallagan</i>
	Paper_44	Life Cycle Sustainability Assessment of Batik Production using Natural Dyes <i>Achmad Syahid, Anas Miftah Fauzi, Andes Ismayana</i>
	Paper_33	Carbon Footprint in the Agri-Food Industry in Indonesia: An Analysis of Current Trends and Future Directions <i>Agung Hendriadi, Boni Benyamin, Ermi E Koeslulat, M Jusuf Djafar, Lanjar Soemarno, Heryoki Johanes, Agus Budiyanto, Yogi Purnaraharjo, Irpan Badrul Jamal, Mulyana Hadipernata</i>
15.00 - 16.00	Paper_56	Designing a Business Model for Start-up Development of Downstream Wetland Products Based on Design Thinking <i>Hesty Heryani, Noor Ridha Yanti, Herry Irawansyah, Nuruddin Wiranda, Andreyan Rizky Baskara</i>
	Paper_57	Product Development of Functional Drink From The Extract Of Fresh Cherry Coffee Pulp <i>Titi Candra Sunarti, Andrio P. Hasibuan, Rani Nisrina, Argama BI Manurung, Yandra Arkeman</i>
	Paper_58	Predicting the visibility of solar cell arrangement for agro-industrial watering system <i>Suherman and Marwan Al-Akaidi</i>
	Paper_59	Determining the Method of Forecasting Sales of Cheese Products at PT XYZ <i>Rifa Safitri, Sugiarto, Muhammad Arif Darmawan, Marimin, Muhammad Romli.</i>
	Paper_60	Design of Retort Pouch Packaging and Shelf Life Estimation for Commercial Sterilized Goat Tongseng Product by MSMEs. <i>Farah Fadhilah Widiaputri, Sugiarto, Muslich</i>

GUIDELINES FOR PRESENTERS IN PARALLEL SESSION

1. Presenters and participants of parallel sessions must be in the zoom room 10 minutes before the sessions start. The presentation schedule and link to the Zoom room can be found on the website of 3rd ITaMSA 2023.
2. Presenters and participants are required to use the *virtual background* of 3rd ITaMSA 2023. The *Virtual Backgrounds* can be downloaded at the website of 3rd ITaMSA 2023.
3. Please rename your Zoom window into **paper ID_Name** for **Presenters** and **Participants_Name** for **Participants**.
4. Participants are required to put their video ON and mute the sound except when being asked by the moderator
5. Presenters need to present within 10 minutes (maximum). The presentation will be ended by the moderator when it is over 10 minutes.
6. Questions, answers, and discussion will done after all the panelist have presented their papers.
7. Questions can be posed in the Chat Room during the parallel session.
8. A link to the attendance form will be given in the chat room during the parallel sessions
9. Presenters who are unable to present their papers at the scheduled slot will lose their opportunity to present and their papers cannot be published at the 3rd ITaMSA 2023 proceeding.
10. There will be the Student's Best Presenters Awards of the 3rd ITaMSA 2023 which will be announced at the closing ceremony of 3rd ITaMSA 2023.