



THE INTERNATIONAL CONFERENCE AND WORKSHOP *in conjunction with* THE 8th INDONESIA BIOTECHNOLOGY CONFERENCE (IBC)

MAY 16th - 18th 2023



HYBRID CONFERENCE

Prime Plaza Hotel Sanur | Eka Karya Botanic Garden Bedugul - Bali, Indonesia



PROGRAM RUNDOWN THE INTERNATIONAL CONFERENCE AND WORKSHOP *in conjunction with* THE 8th INDONESIA BIOTECHNOLOGY CONFERENCE (IBC)

16 May 2023	
MAIN ROOM	
07.30 - 08.00	REGISTRATION * Sponsor presentation* (Video)
08.00 - 08.20	OPENING
	National Anthem
	Mars KBI
	Welcoming Dance
08.20 - 08.25	Opening of Conference (KBI) Ir. Mastur, M.Si, Ph.D
08.25 - 08.55	Keynote speaker 1: Rutgers University - USA - Prof. James Simon Title: <i>Indigenous Plants for Health, Nutrition, and Income Generation: Case Studies from The Bush for Biodiversity Preservation: African Case</i>
08.55 - 09.20	Keynote speaker 2: Indonesian Biotechnology Consortium - Prof. Bambang Prasetya Title: <i>The Role of Biotechnology to Utilize Biodiversity to Support Food Security and Health: Current Trends and Challenge</i>
09.20 - 09.45	Keynote speaker 3: Ministry of Environment and Forestry - drh. Indra Eksploitasia Semiawan, M. Si. Title: <i>Balancing Conservation and Sustainable Use for Mainstreaming Indonesia Biodiversity: Legal Framework and Implementation</i>
PLENARY SESSION I	
BIODIVERSITY AND TRADITIONAL KNOWLEDGE AND SOCIO-CULTURAL ASPECTS	
09.45 - 10.15	INVITED SPEAKER I: Prof. Vyacheslav Dushenkov, Ph.D. Title: <i>Biodiversity: The Perils of Doing Nothing</i>
10.15 - 10.45	INVITED SPEAKER VIII: Prof Saidbeg Satorov / Dr. Sulhia Mavlonazarova Title: <i>Use of Endemic Tajik Plants in Traditional Medicine</i>
10.45 - 11.15	INVITED SPEAKER III: Prof. Hiroshi Kamitakahara, Ph. D Title: <i>Chemical Analysis of Some Health-Related Plant Species Collected In Central Kalimantan Based On Ethnobotanical Knowledge</i>
11.15 - 11.45	DISCUSSION and PHOTO SESSION
11.45 - 12.00	Sponsor presentation (Video)
12.00 - 13.00	Lunch Break (Video)

**PLENARY SESSION II
BIODIVERSITY FOR AGRICULTURE AND HEALTH**

13.00 - 13.30	INVITED SPEAKER IV: Prof. Ilya Raskin, Ph.D. Title: <i>Plants and Human Health: History and Future</i>
13.30 - 14.00	INVITED SPEAKER V: Prof. Heather Zwickey, Ph.D. Title: <i>Plant-diversity, gut microbiome, and immunity</i>
14.00 - 14.20	INVITED SPEAKER VI: Prof. Ernawati Sinaga Title: <i>Indonesia Underutilized Fruits as a Potential Source of Functional Food for the Management of Metabolic Syndrome Associated Diseases</i>
14.20 - 14.40	INVITED SPEAKER VII: Dr. Masteria Yunovilsa Putra (BRIN) Title: <i>Drug Discovery and Development from Indonesian Marine Organism</i>
14.40 - 15.00	DISCUSSION and PHOTO SESSION
15.00 - 15.15	COFFEE BREAK (Video Presentation)

**PLENARY SESSION III
BIODIVERSITY AND PLANT, ANIMAL AND ENVIRONMENTAL CONSERVATION AND IMPROVEMENT**

15.15 - 15.45	INVITED SPEAKER VII: Prof. Phillip J. Brantley, Ph.D. Title: <i>Botanicals and Metabolic Syndrome</i>
15.45 - 16.15	INVITED SPEAKER VIII: Associate Prof. Paula Rhode Brantley, Ph.D. Title: <i>Design and Ethical Considerations of Clinical Research Involving Natural Medicines</i>
16.15 - 16.45	INVITED SPEAKER IX: Prof. Erin Vogel, Ph.D. (online) Title: <i>The Importance of Diverse Diets in Wild Orangutans: Interactions Between Ecology, Nutrition, and Health Outcomes</i>
16.45 - 17.00	Discussion And Photo Session
17.00 - 17.05	Closing

17 May 2023

MAIN ROOM

07.30 - 08.00	REGISTRATION * Video presentation*, coffee break
08.00 - 08.10	WELCOMING
PLENARY SESSION III BIOTECHNOLOGY AND BIODIVERSITY USE Moderator: Dr. Hayati M.	
08.10 - 08.35	INVITED SPEAKER XI: Prof. Enny Sudarmonowati (BRIN) Title: <i>Bioprospecting from Plant Diversity Applying Integrated Omics Approaches</i>
08.35 - 09.05	INVITED SPEAKER XII: DR. Rong Di Title: <i>CRISPR-Gene Editing for Plant Health and Using C. Elegans to Study Human Health Promoting Compounds from Plants</i>
09.05 - 09.35	INVITED SPEAKER XIII: DR. Inez S. Loedin (KBI-IRRI) Title: <i>Tapping Diversity for Crop Improvement Through Gene Editing and Transgenesis Application</i>
09.35 - 10.05	INVITED SPEAKER XIV: Prof. Ir. Gede Putu Wirawan, M.Sc., Ph.D. Title: <i>Design and Ethical Considerations of Clinical Research Involving Natural Medicines</i>
10.05 - 10.30	INVITED SPEAKER XV: Eylot Lam (Representative from PT. Hartech) Title: <i>High Throughput Microbe Cultures for Screening, Media Optimization & Process Development.</i>
10.30 - 11.00	Discussion And Photo Session
11.00 - 11.15	Rutgers Award of Appreciation Certificates to UNAS Students
11.15 - 12.00	Video Presentation (Sponsor)
12.00 - 13.00	Lunch Break

PARALLEL SESSION I - ONSITE

Time	Room 1	Room 2	Room 3	Room 4
	Moderator: Ida Ayu Purnama Bestari. S.Pd., M.Sc. TOPIC: <i>Biodiversity for Agriculture and Health</i>	Moderator: Dr. I Gusti Agung Sri Rwa Jayantini, S.Si. M.Hum TOPIC: <i>Biodiversity for Environment and Tourism/Biodiversity and Traditional knowledge and Socio-Cultural Aspects</i>	Moderator: Komang Dean Ananda, S.Si., M.Sc TOPIC: <i>Biotechnology and Biodiversity Use</i>	Moderator: apt.Maria Malida Vernandes Sasadara, S.Farm., M.P TOPIC: <i>Advanced Biotechnology and Human Health</i>
13.00 -13.10	P1.1.1 <i>Study of Antidiabetic and Antihypertensive Activities of Indonesian Propolis Extract Has</i> Universitas Indonesia Muhamad Sahlan	PP3.1.1 <i>The Interactions Between Health, Diet, And Behavior in Wild Orangutans (Pongo Pygmaeus Wurmbii) At the Tuanan Orangutan Research Station, Central Kalimantan, Indonesia</i> Universitas Jendral Soedirman Astri Sulfa	P4.1.1 <i>Improving The Production of Streptomyces-Derived Secondary Metabolites with Antimicrobial Activity Using Ribosome Engineering</i> National Research and Innovation Agency Anggia Prasetyoputri, Ph.D.	P5.1.1 <i>Karamunting (Rhodomyrtus Tomentosa (Ait.) Hassk.) Leaf Water Extract as Potential Antidiabetic Compounds In Diabetic Rats</i> Universitas Sriwijaya Vivi Hendra Sutandar
13.10 - 13.20	P1.1.2 <i>Anticancer Activity of Indonesian Marchantia Polymorpha from Cibodas Botanical Garden: In Silico And In Vitro Analysis</i> Indonesia International Institute for Life Sciences Rizky Nurdiansyah	P3.1.1 <i>Exploration Of Local Wisdom as A Formulation of Educative Conservation of Customary Forest in Taro Village.</i> Mahasaraswati Denpasar University Ni Gst.Ag.Gde Eka Martiningsih	P4.1.2 <i>Growth and SOD Genes Expressions in Local Rice Cultivar Merah Cendana Under Salt Stress</i> Universitas Udayana Made Pharmawati	P5.1.3 <i>Mixture Of Coriander Seed Ethanol Extract (Coriandrum Sativum L.) And Ethanol Extract of Putri Malu Leaves (Mimosa Pudica L) In Lowering Blood Glucose Levels in Hypergl Wistar Rat</i> Universitas Udayana Prof. Dr. Ir. Sri Wahjuni, M.Kes.
13.20 - 13.30	P1.1.3 <i>Morphological And Molecular Identification of Local Mango (Mangifera Spp.) At Tamalanrea Campus, Hasanuddin</i> Hasanuddin University Muhammad Daffa Putra	PP3.1.3 <i>A Mental Model of Biocultural Diversity: Exploring Subak Landscape Imagery by The Balinese Younger Generation</i> Universitas Mahasaraswati Denpasar I Gusti Agung Sri Rwa Jayantini	P4.1.3 <i>In Vitro Propagation of Zingiber Purpureum Roscoe</i> Udayana University Swary Dwi Suhera Tarigan	P51.1.4 <i>Expression Of Ghrelin and Leptin with Citrus Amblycarpa Hassk. Peel Extract in High Fat Diet Rats Model</i> University of Lambung Mangkurat Roselina Panghiyangani

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Time	Room 1	Room 2	Room 3	Room 4
	<p>Moderator: Ida Ayu Purnama Bestari. S.Pd., M.Sc. TOPIC: <i>Biodiversity for Agriculture and Health</i></p>	<p>Moderator: Dr. I Gusti Agung Sri Rwa Jayantini, S.Si. M.Hum TOPIC: <i>Biodiversity for Environment and Tourism/Biodiversity and Traditional knowledge and Socio-Cultural Aspects</i></p>	<p>Moderator: Komang Dean Ananda, S.Si., M.Sc TOPIC: <i>Biotechnology and Biodiversity Use</i></p>	<p>Moderator: apt.Maria Malida Vernandes Sasadara, S.Farm., M.P TOPIC: <i>Advanced Biotechnology and Human Health</i></p>
13.30 - 13.40	<p>P1.1.4 <i>In Silico Characterization of SHORT VEGETATIVE PHASE Putative Gene Homologous of Suppressing Flowering Gene in Native Orchid Phalaenopsis Amabilis (L.) Blume</i> Gadjah Mada University Ni Putu Ayu Erninda Oktaviani Suputri</p>	<p>P2.1.1 <i>Biodiversity For Agriculture and Health, Biodiversity for Environment and Tourism</i> Rutgers University Eva Hernandez-Janer</p>	<p>P4.1.4 <i>The Preliminary Biodiversity of Ichthyofauna in Luwu Utara, Wallacea Region</i> Universitas Hasanuddin Irmawati</p>	<p>P5.1.2 <i>Citrus Amblycarpa Hassk. Peel Extract Supplementation Reduces Adipocyte Size in High Fat Diet Rats Model</i> University of Lambung Mangkurat Juliyatin Putri Utami</p>
13.40 - 13.50	<p>P1.1.5 <i>Research Trends on Variegated Leaves Plant: A Bibliometric Analysis</i> Gadjah Mada University Pauline Destinugrainy Kasi</p>	<p>P2.1.2 <i>Apebnb: Who Enters the Nest After the Orangutans Leave?</i> Rutgers University / UNAS / Fulbright-National Geographic Storytelling Fellow Isa Betancourt</p>	<p>PP4.1.8 <i>Pitcher Formation of Nepenthes Ampullaria and Nepenthes Rafflesiana on Modified In Vitro Media</i> Research Center for Plant Conservation, Botanic Gardens, and Forestry-BRIN Yeyen Novitasari</p>	<p>PP5.1.2 <i>Attaching Human Erythrocytes on Coverslip Glass Slide Microscopes Polished with Protein Fractions of Gnetum Gnemon L. Seed</i> Universitas Bengkulu Hery Haryanto</p>
13.50 - 14.00	<p>PP.1.1.1 <i>Agronomic Performance, Yield and Seed Production of Some New Superior Varieties Using Integrated Crop Management Approach in Tabanan District, Bali Province</i></p>	<p>P2.2.1 <i>Visitors' Perceptions of Traditional Homestead Windbreaks from User-Generated Comments</i></p>	<p>P4.1.6 <i>Probing the Role of Lys202 in the Catalytic Mechanism of BmaN1 α-Amylase</i></p>	<p>PP5.1.1 <i>Seven Phenolic Acids from the Stem of Sandoricum koetjape and Their Protein Tyrosine Phosphatase 1B (PTP1B) Inhibitory Activities rbal Concoction</i></p>

PARALLEL SESSION I - ONSITE				
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	Moderator: Ida Ayu Purnama Bestari. S.Pd., M.Sc. TOPIC: <i>Biodiversity for Agriculture and Health</i>	Moderator: Dr. I Gusti Agung Sri Rwa Jayantini, S.Si. M.Hum TOPIC: <i>Biodiversity for Environment and Tourism/Biodiversity and Traditional knowledge and Socio-Cultural Aspects</i>	Moderator: Komang Dean Ananda, S.Si., M.Sc TOPIC: <i>Biotechnology and Biodiversity Use</i>	Moderator: apt.Maria Malida Vernandes Sasadara, S.Farm., M.P TOPIC: <i>Advanced Biotechnology and Human Health</i>
	<i>National Agency for Research and Innovation</i> I Ketut Kariada	<i>University of the Ryukyus</i> Bixia Chen	<i>Research Center for Applied Microbiology-BRIN</i> Fina Khaerunnisa Frima	<i>Poltekkes Kemenkes Jakarta II</i> Susy Saadah
14.00 - 14.20	Discussion			
14.20 - 14.30	Coffee Break			
PARALLEL SESSION II - ONSITE				
Time	Room 1	Room 2	Room 3	Room 4
	Moderator: Ida Ayu Purnama Bestari. S.Pd., M.Sc. TOPIC: <i>Biodiversity for Agriculture and Health</i>	Moderator: Dr. I Gusti Agung Sri Rwa Jayantini, S.Si. M.Hum TOPIC: <i>Biodiversity for Environment and Tourism/Biodiversity and Traditional knowledge and Socio-Cultural Aspects</i>	Moderator: Komang Dean Ananda, S.Si., M.Sc TOPIC: <i>Biotechnology and Biodiversity Use</i>	Moderator: apt.Maria Malida Vernandes Sasadara, S.Farm., M.P TOPIC: <i>Advanced Biotechnology and Human Health</i>
14.30 - 14.40	P1.1.6 <i>Wound Healing Properties Evaluation of Biocellulose with Human Hair Keratin and Tamanu Oil</i> <i>Indonesia International Institute for Life Sciences (I3I)</i> Pietradewi Hartrianti	PP4.1.7 <i>Morphological And Molecular Analyses of The True-To-Type Kopyor Hybrid Seedlings</i> <i>Universitas Muhammadiyah Purwokerto</i> Sisunandar	PP4.1.1 <i>Fractional Inhibitory Concentration Index of The Allicin and Flavonoids Combinations Against Ganoderma Boninense</i> <i>Indonesian Oil Palm Research Institute</i> Ciptadi Achmad Yusup	PP5.1.3 <i>Potential Of Basidiomycota Mushroom Mycellium in Biosorption of Cd Metal in Jakarta Bay Sea Water</i> <i>Universitas Nasional</i> Noverita

PARALLEL SESSION II - ONSITE

Time	Room 1	Room 2	Room 3	Room 4
	Moderator: <i>Ida Ayu Purnama Bestari. S.Pd., M.Sc.</i> TOPIC: <i>Biodiversity for Agriculture and Health</i>	Moderator: <i>Dr. I Gusti Agung Sri Rwa Jayantini, S.Si. M.Hum</i> TOPIC: <i>Biodiversity for Environment and Tourism/Biodiversity and Traditional knowledge and Socio-Cultural Aspects</i>	Moderator: <i>Komang Dean Ananda, S.Si., M.Sc</i> TOPIC: <i>Biotechnology and Biodiversity Use</i>	Moderator: <i>apt.Maria Malida Vernandes Sasadara, S.Farm., M.P</i> TOPIC: <i>Advanced Biotechnology and Human Health</i>
14.30 - 14.40	PP1.1.1	P3.1.2	PP4.1.2	PP5.1.4
	<i>Biodiversity And Community Structure Of Seaweeds And Seagrass, And Their Potential Uses In Transition Zone Of Taka Bonerate Kepulauan Selayar Biosphere Reserve,Indonesia</i> <i>Universitas Nasional</i> Tatang Mitra Setia	<i>Diversity Of Medicinal Plants Based on Usadha Taru Premana Lontar in Tenganan Pegringsingan Village</i> <i>Pendidikan Ganesha University</i> Ida Ayu Purnama Bestari	<i>Integrated Process of Palm Oil Mill Effluent Using Electrocoagulation, Active Carbon Filter, Zeolite and Membrane Eparation Technology</i> <i>Universitas Sriwijaya</i> Kemas Uwais Alqorni	<i>Admiration Effect of The Protium Javanicum (Tenggulun) Essential Oil in Alleviating Inflammation on Wistar Rats Induced by Carrageenan</i> <i>Universitas Udayana</i> Ni Made Puspawati
14.40 - 14.50	PP3.1.4	PP4.1.8	PP4.1.3	PP5.1.5
	<i>Can The Traditional Homestead Windbreaks Really Help to Mitigate the Spread of Fire?</i> <i>Prefectural Kaiho Senior High School, Okinawa, Japan</i> Chen Qiu	<i>Callus Stage and Morphology Affect the DNA Yield on The DNA Extraction from The Sugarcane In Vitro Callus</i> <i>Indonesian Oil Palm Research Institute</i> Rizka Tamania Saptari	<i>Autoinduction Expression of Bst DNA Polymerase Using Lac Operon-Controlled Expression Systems in Escherichia Coli</i> <i>Research Center for Applied Microbiology-BRIN</i> Fina Amreta Laksmi, M.Sc, Ph.D	<i>Analysis Of Interaction Between Non-Structural 1 Protein (NS1) Of Dengue Virus and Anti-NS1 Nanobody by Surface Plasmon Resonance</i> <i>Universitas Indonesia</i> Stefani
14.50 - 15.00	PP3.1.5	PP4.1.9	PP4.1.4	PP.5.1.6
	<i>Identification Of Alcohol Content from Fermentation and Distillation of Palm Sap (Arenga Pinnata) In Tomahalu Village, Tobelo District, North Halmahera Regency, Indonesia</i>	<i>Tissue Culture of Four Introduction Date Palm Varieties in Indonesia</i>	<i>Effects of Temperature Shock on Viability and Stress-Related ne Expression in Pediococcus acidilactici, a Probiotic Lactic Acid Bacteria</i>	<i>Utilization of Various Honey, Fruits, and Vegetables to Increase Hemoglobin Levels in Pregnant Women with Anemia in Indonesia</i>

PARALLEL SESSION II - ONSITE

Time	Room 1	Room 2	Room 3	Room 4
	Moderator: Ida Ayu Purnama Bestari. S.Pd., M.Sc. TOPIC: Biodiversity for Agriculture and Health	Moderator: Dr. I Gusti Agung Sri Rwa Jayantini, S.Si. M.Hum TOPIC: Biodiversity for Environment and Tourism/Biodiversity and Traditional knowledge and Socio-Cultural Aspects	Moderator: Komang Dean Ananda, S.Si., M.Sc TOPIC: Biotechnology and Biodiversity Use	Moderator: apt.Maria Malida Vernandes Sasadara, S.Farm., M.P TOPIC: Advanced Biotechnology and Human Health
	Universitas 17 Agustus 1945 Jakarta Yelfi Anwar	Indonesian Oil Palm Research Institute Masna Maya Sinta	Indonesia International Institute for Life Sciences (i3L) Ihsan Tria Pramanda	Universitas Nasional Retno Widowati
15.00 - 15.10	PP1.2.39	PP4.1.10	PP4.1.5	PP2.1.2
	<i>The Use of Rhizobia and Vesicular-Arbuscular Mycorrhizae to Improve Water Resistance of Kudzu (Pueraria Phaseoloides (Roxb.) Benth.) In Coastal Land</i> Institut Pertanian (INTAN) Yogyakarta Nike Triwahyuningsih	<i>Morpho-Agronomic Selection of BC2F2-Mamt2 Soybean Progenies Containing Aluminium Tolerance Gene for High Yielding Character</i> BRIN Dr. Drs. Saptowo Jumali Pardal, MS.	<i>Mangroves Species Diversity and Their Use as Medicinal Plants by Coastal Communities of Pesawaran Lampung</i> Universitas Lampung Duryat	<i>Local Champion from The Sahendaruman Landscape, Sangihe Island, North Sulawesi, Indonesia</i> Burung Indonesia Silfi Iriyani
15.10 - 15.20	PP1.2.37	PP.1.2.38	PP4.1.11	PP4.1.6
	<i>In Vitro Culture of Wild Vanda tricolor Lindley Seeds from Kintamani, Bali as Initial Step for Conservation</i> Universitas Udayana Putu Elena Prema Gayatri	<i>Morphology and Agronomy Diversity of Mango (Mangifera sp.) Landraces Bali</i> Panjisakti University Dr. Ir. Putu Suwardike, MP	<i>Transformation of CRISPR/Cas9 Expression Construct to Enhance Saturated Fatty Acid Synthesis in Oil Palm for Biofuel Production</i> Indonesian Oil Palm Research Institute (IOPRI) Bogor Unit Dr. Hayati Minarsih, MSc.	<i>Cultivation of prokaryotes: Inventions and achievements throughout the decades and future perspectives</i> National Research and Innovation Agency (BRIN) Zahra Noviana
15.20 - 15.50	Discussion			
MAIN ROOM				
15.50 - 16.20	General discussion and summing up the conference			
16.20 - 16.40	Closing			

PARALLEL SESSION I - ONLINE										
Time	Breakout Room 1	Breakout Room 2	Breakout Room 3	Breakout Room 4	Breakout Room 5	Breakout Room 6	Breakout Room 7	Breakout Room 8	Breakout Room 9	Breakout Room 10
	Biodiversity for Agriculture and Health Moderator: Bernadetta Rina	Biodiversity for Environment and Tourism/Biodiversity and Traditional knowledge and Socio-Cultural Aspects Moderator: Ni Kadek Emi Shinta Dewi, SP.MP	Biotechnology and Biodiversity Use Moderator: Dr. Putu Eka Pasmidi Ariati,SP.MP	Advanced Biotechnology and Human Health Moderator: Ni Putu Angliia Amaral,SP.M.MA	Biodiversity for Agriculture and Health Moderator: Prof. Dr. Ir. I Ketut Suada,M.Si	Biodiversity for Agriculture and Health Moderator: Dr.Ir. AAA Istri Kusumadewi, M. S	Biotechnology and Biodiversity Use Moderator: I Putu Suparthana,SP.M.Agr. PhD	Advanced Biotechnology and Human Health Moderator: Shara Yulita Harijanja,SP.MP	Biodiversity for Agriculture and Health Moderator: Putu Perdana,SP.M.Sc	Biotechnology and Biodiversity Use Moderator: Made Wahyu Wijaya, PhD
13.00 - 13.10	Title: Adoption Rate of New Superior Varieties in South Bengkulu Irrigated Paddy Production Center Presenter: Andi Ishak	Title: Beneath Tropical Forest in Putussibau: Ancestor tradition and current utilization of medicinal plants in Dayak Commuities Presenter: Bernadetta Rina	Title: Variability and Selection of Tomato Slet1-2 Mutants Backcross Population to Improve Yield and Fruit Shelf-Life Presenter: Imas Rita Saadah	Title: Total Phenolic and Flavonoid Contents of Aphanamixis polystachya (Wall.) R.Parker Leaf Extract and Its Potential as Antioxidant and Inhibitor of α -Glucosidase Presenter: I Putu Agus Hendra Wibawa	Title: Effect of pH, temperature, and Substrate Concentration on b-Glucosidase Activity from <i>Aspergillus niger</i> InaCC F98 Presenter: Sri Sugiwati	Title: In Vitro Germination and Protocorm development of <i>Grammatophyllum stapeliiflorum</i> J.J. Smith with Supplemented of Peptone Presenter: Media	Title: The Effect of Plant Growth Regulator and Casein Hydrolysate on Shoot Multiplication of Two Shallot Varieties Presenter: Ragapadmi Purnamaningsih	Title: Effect of fermentation <i>Ziziphus mauritiana</i> fruit juice with <i>Lactobacillus plantarum</i> inaCC B616 isolate on total phenolics, total flavonoids, antioxidant capacity, and α -glucosidase enzyme inhibition Presenter: Subkhan	Title: The Effect of Ab Mix Fertilizer Cocentration on The Yield Of Marigold Plants Cultivated Hydroponic Substrate Presenter: Nova Deviyanti Lussy	Title: Genetic Variation of Rockskipper Fish (<i>Istiblennius</i> spp. Valenciennes, 1836) from Porok Beach, Gunungkidul, Special Region of Yogyakarta Based on 16S Mitochondrial Gene Presenter: Ardan Putra Saleh Hutasuhut
13.10 - 13.20	Title: Agriculture Extension Perceptions of Rice Consultation Services in the Preparation of Site-Specific Fertilization Recommendations in South Bengkulu Presenter: Taupik Rahman	Title: Has the Genetic Erosion Taken Place in Case of Gayo Arabica Coffee From 1984 to Now? Presenter: Dr. Dipl.-Ing. Ir. Rita Andini, M.Sc., IPU	Title: Effect of hatchery and mariculture activity at the northwest coastal area of Bali on water quality and plankton community Presenter: Bejo Selamat	Title: The Efficacy of <i>Edwardsiella ictaluri</i> Monovalent, Bivalent and Polivalent Whole Cell Vaccine for The Prevention of Enteric Septicemia of Catfish Disease in Catfish (<i>Pangasianodon hypophthalmus</i>) Presenter: Uni Purwaningsih	Title: Effect of Various Host Plants (Chili, Tomato, Eggplant, Cucumber, Okra) and Chili Genotypes (<i>Capsicum annum</i> L.) on Preference of <i>Bemisia tabaci</i> Genn. (Hemiptera: Aleyrodidae) Presenter: Dr Tengku Laila Kamaliah, S. P, M.Agr.Sc	Title: The Effects of Salicylic Acid on Germination and Seedling Growth of Black Rice 'Cempo Ireng' under Salt Stress Presenter: Hana Widiawati	Title: Somatic Embryo Formation, Plantlet Vigority and Greenhouse Preliminary Test of Garlic Bulblet Obtained Through Somatic Embryogenesis Presenter: Ir. Yati Supriyati, M.S.	Title: SARS-CoV-2 IgG antibody status in unvaccinated and 2-dose vaccinated Indonesians Presenter: Laura Navika Yamani, Ph.D	Title: The Effect of Liquid Bio-Organic Fertilizer on the Productivity of Ironwood (<i>Eusideroxylon zwageri</i>) Leaf Biomass Presenter: Aulia Nur Laksmita, S.Hut., M.Sc.	Title: Genetic Variation of Mudskipper (<i>Boleophthalmus boddarti</i>) From Mangkang Mangrove Forest, Semarang, Central Java Based on 16S Mitochondrial Gene Presenter: Michael Marune Putra Sianturi
13.20 - 13.30	Title: Analysis of Nitrogen-fising Microbe Potential on Different Planting Patterns for Potatoes (<i>Solanum tuberosum</i> L.) in the Highlands of Karo Regency Presenter: Delima Napitupulu, S.P., M.Si.	Title: Identification of Plants Used as Ingredients for "Minyak Tombak Pusaka"; from Buleleng Bali and the Phytochemical Contents Presenter: Putri Sri Andila	Title: Profiling the HSPB9 gene Sequences in Donggala (<i>Bos indicus</i>) and Bali (<i>Bos javanicus</i>) Cattle Breeds of Indonesia Presenter: Widya Pintaka Bayu Putra	Title: Efficacy Of the Cinnamon (<i>Cinnamomum burmannii</i>) Extract to Decrease Collagen and Preventive at Fibrosis Process Of Male Rattus Norvegicus Fibrosis Model Presenter: dr. Evi Lusiana, M.Biomed	Title: Effectivity of liquid organic fertilizer to Production of pakcoy Presenter: Hayatul Rahmi	Title: The Effect of Protocatechuic Acid Formulations On <i>Euglena</i> Consortium Metabolites Presenter: Khusnul Qonita Maghfiroh, S.Si	Title: Metabolite Profiling of <i>Phyllanthus niruri</i> L. under Drought Stress for The Herb Medicinal Sustainability Presenter: Winda Nawfetriasis	Title: Evaluation of Diabetic Foot Ulcer Area Treated by Platelet-Rich Plasma using ImageJ Software Presenter: Dewi Fibrini	Title: The Potential of Cengkho Avocado as a Flagship Product sed on Nutritional Content and Morphological Characteristics Presenter: Pepi Nur Susilawati	Title: Growth and Metabolites Enhancement in Local Strain <i>Euglena</i> sp. through Illumination Treatment Presenter: Tia Erfianti

Time	Breakout Room 1	Breakout Room 2	Breakout Room 3	Breakout Room 4	Breakout Room 5	Breakout Room 6	Breakout Room 7	Breakout Room 8	Breakout Room 9	Breakout Room 10
	Biodiversity for Agriculture and Health Moderator: Bernadetta Rina	Biodiversity for Environment and Tourism/Biodiversity and Traditional knowledge and Socio-Cultural Aspects Moderator: Ni Kadek Emi Shinta Dewi, SP.MP	Biotechnology and Biodiversity Use Moderator: Dr. Putu Eka Pasmidi Ariati,SP.MP	Advanced Biotechnology and Human Health Moderator: Ni Putu Anglila Amara,SP.M.MA	Biodiversity for Agriculture and Health Moderator: Prof. Dr. Ir. I Ketut Suada,M.Si	Biodiversity for Agriculture and Health Moderator: Dr.Ir. AAA Istri Kusumadewi, M. S	Biotechnology and Biodiversity Use Moderator: I Putu Suparthana,SP.M.Ag r.PhD	Advanced Biotechnology and Human Health Moderator: Shara Yulita Harianja,SP.MP	Biodiversity for Agriculture and Health Moderator: Putu Perdana,SP.M.Sc	Biotechnology and Biodiversity Use Moderator: Made Wahyu Wijaya, PhD
13.30 - 13.40	Title: Application Of Fruit Waste Liquid Organic Fertilizer Those That Are Not and Are Given N, P, And K Nutrient Enhancing Organic Ingredients on Tomato Plants Presenter: Lena Walunguru	Title: The Sustaining Agro Biodiversity Through Top Working Approach: A Case of Local Superior Durian Conservation on Mount Arjuna Presenter: Sudarmadi Purnama	Title: Effect of various monochromic lights on the growth and reproduction of in vitro_derived Indonesian chili pepper (Capsicum annum) Kopay and Laris varieties Presenter: Yuli Sulistyowati	Title: In Silico Molecular Docking Analysis of Breast Cancer therapy using Zerumbone Derivatives Presenter: Arif Ashari	Title: Host range of three isolates of Papaya ringspot virus (PRSV) found in North Sumatera and West Java Presenter: Riska	Title: Soil Phosphate, Phosphatase activity, and Yield of Maize Influenced by Phosphate Solubilizing Microbes on Inceptisols Presenter: Betty Natalie Fitriatin	Title: SSR Diversity on Rice Landraces Collected from Yogyakarta Province Presenter: Hakim Kurniawan	Title: A combination of vitamin D and Tinospora cordifolia extract elevate Cathelicidin expression and control inflammation in CD66a and CD11b Cells Presenter: Ahmad Shobrun Jamil	Title: Immobilization Microbial Cellulase and Lipase as Bio-Catalyst Agent Using Maltodextrin for Biofuel Synthesis Presenter: Apridah Cameliawati Djohan	Title: White-rot and Non White-rot Fungi : Biodelignification of Lignocellulose Biomass from Oil Palm Empty Fruit Bunches (OPEFB) Presenter: Ina Monica Firsty
13.40 - 13.50	Title: Biodiversity and Indigenous knowledge on Orchid Conservation: Study at Community in Yogyakarta Presenter: Latifa Nuraini	Title: Another Proof That Coral Coverage Alone Is Not Enough To Justify the Coral Reef Health Presenter: Rita Rachmawati	Title: Flavonoid-related genes expression in the fruits of two Indonesian chili pepper varieties treated with colchicine and various monochromic light. Presenter: Sri Koerniati	Title: Extract Ethanol of Tempuyung (Sonchus arvensis) Leaf as Anti-Hyperuricemic: In Vitro Studies Presenter: dr. Nita Parisa, M.Bmd	Title: Isolation of Potential Zn Solubilizing Bacteria from Rhizosphere of Corn Plants Presenter: Andi Irmadamayanti	Title: Fibrinolytic Test Isolate Bacteria From Congot Beach Waters Yogyakarta With Clot Lysis Method In Vitro Presenter: Desi Purwaningsih	Title: Changing of dominant microbial taxa of bleached Porites lobata at extreme temperatures Presenter: Rita Rachmawati	Title: The participation of PKC delta in the protective effects of 9-OAHSa against palmitic acid-induced apoptosis in rat hepatocytes Presenter: Jiro Hasegawa Situmorang	Title: The Potential of New Hybrid Chrysanthemum as Germplasm Resource Presenter: Dr. Ridho Kurniati, SP., MSi.	Title: Isolation, Screening and Partial Characterization of Thermophilic Bacteria Producing Protease from Bukik Gadang Hot Springs, Solok Regency Presenter: Mufidhatul Muqarramah
13.50 - 14.00	Title: Biodiversity of Wildlife's Vertebrates at Peramun Hill, Belitung Presenter: Puji Rianti	Title: Ethnoveterinary Study of Cattle Cultivation in the Jurangjero Community, Rembang Regency, Cantral Java Presenter: Asri Febriana	Title: In-silico Activating Genome Editing of MaLCYB in Musa acuminata and Its Gene Functional Analysis Related to Lycopene Beta-Cyclase Pathway Presenter: Decintya Jaya Maysha	Title: The Potential of Mesenchymal Stem Cells Differentiation to Cardiomyocyte In Vitro Presenter: Ariyani Noviantari	Title: Plant Microbiome: Defenition, Ecology, Interaction and Utilization of Microbiome Diversity as Biocontrol Agents, PGPR, and Soil Improver (Review) Presenter: Rasiska Tarigan	Title: Application of Arbuscular Mycorrhizal Fungi Increased Biodiversity of Mesofauna in Rhizosphere of Vegetables Crops Presenter: Anne Nurbaity	Title: Application of Combination of Some Auxins in Callus Induction and Proliferation of Shallot cv Trisula and Sumenep through in vitro technique Presenter: Suci Rahayu	Title: The Impact of Hibiscus rosa-sinensis L. Flower Infusion on the Liver Histology of Hyperuricemic Mus Musculus L. Presenter: Dian Fita Lestari	Title: The Role of a Combination of Plant Insects and the Application of Botanical Pesticides in Increasing Arthropod Populations of Natural Enemies and Suppressing S. frugiperda Populations in Corn Plants. Presenter: Muliadi	Title: In Vitro Protocorm Development of Grammmato-phyllum stapeliiflorum J.J.Smith with Several Concentrations of Thidiazuron Presenter: Naura Muthiah Arli

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14.00 - 14.10	Title: Exploration and Characterization of Local Orchids in Sigi Regency, Central Sulawesi Presenter: Saidah	Title: The Trends of Greenspaces During the Covid-19 Outbreak: A Case Study For Botanic Gardens Presenter: Dwinda Mariska Putri	Title: Growth Response of Orchid Subculture Dendrobium Sp. Against the Application of Various Concentrations of Fruit Waste Liquid Organic Fertilizer Plus on Vw Instant Media In Vitro Presenter: Eko H. Agustin Juwaningsih	Title: The Relationship Between Fear of Recurrence and Quality of Life Cancer Survival Gynecology Patient Presenter: Sisca	Title: Exploration, Morphology Characterization of Local Plant Mung Bean (Vigna Radiata L.) Local Tanimbar, Maluku Province Presenter: Marietje Pesireron	Title: Indonesian Threatened Zingiberaceae: Exploring Their Potential Traditional and Scientific Uses Presenter: Muhammad Bima Atmaja	Title: Comparison of Three Different RNA Extraction Kits for Transcriptome Analysis of Maize Explant for Anther Culture Presenter: Siti Fatimah	Title: Hospital Inpatients among the Elderly in Java Region of Indonesia: Does Health Insurance Matter? Presenter: Rukmini Rukmini			
14.10 - 14.40	DISCUSSION								14.00 –14.30	DISCUSSION	DISCUSSION
14.40 - 14.50	Title: Biomolecular mycorrhizal diversity in Azadirachta excelsa roots in habitats with different altitudes Presenter: Guswarni Anwar, Ph.D.	Title: Weaking Manna Coconut Conservation Efforts in South Bengkulu District Presenter: Emlan Fauzi	Title: Segregation of Molecular Markers Associated with Bph3 Gene in BC5F2 Population Derived from Ciharang Rice Variety as The Recipient Parent Presenter: Muhamad Yunus	Title: The Hemoglobin Subunit Beta (HBB) Inconsequentially Correlates to Superoxide Dismutase 2 (SOD2) in Women with Cervical Cancer Presenter: Monica Dwi Hartanti	Title: Morphological Characterization and Screening of Impatiens Wild Species for Heat tolerance Presenter: Suskindari Kartikaningrum	Title: Diversity, Distribution of the Ginger Family (Zingiberaceae) in West Sumatra Based on Herbarium Specimens and Its Potency for Essential Oil Presenter: Nazifah Rahmi	Title: Immobilization Microbial Cellulase and Lipase as Bio-Catalyst Agent Using Maltodextrin for Biofuel Synthesis Presenter: Apridah Cameliawati Djohan	Title: Immunity to measles in children aged 1-14 years in Indonesia: Basic Health Research data in 2013 and 2018. Presenter: Sarwo Handayani	14.30-14.40	Title: The Role of Rhizosphere Microbes as Phosphate Solubilizing Bio Fertilizers in Shallot: a review Presenter: Agustina E Marpaung, S.TP., M.Agr	Title: Tonicum Effect Test Of Harendong Bulu (Climedia hirta (L.) D. Don) Ethanol Extract On Male Mice Of Swiss Webster Presenter: Elsa Lucyan Novenike
14.50 - 15.00	Title: Creation of Ten New Variety of Begonia through Interspecific Hybridization: A Study from Bali Botanic Garden's Collection Presenter: Ema Hendriyani	Title: Rediscovery and Conservation of Vatica javanica subsp. scaphifolia, a Critically Endangered Endemic Tree Species in East Kalimantan Presenter: Enggal Primananda	Title: Profile Of Resistance Gene Expression Levels In Tobacco In Response To Infection Of Phytophthora Presenter: Johan Sukweenadhi	Title: Risks and Characteristics of Co-Infections in Patients COVID-19 Sufferers Presenter: Rina Isnawati, S.Si., M.Biotech.	Title: Morphological Characters and Yields of Five Vanilla (Vanilla planifolia Andrews) Clones in Bali Presenter: Rubi Heryanto	Title: The Altitude Level of Growth Influences the Phenolic, Flavonoids Content and the Radical Scavenging Activity of Chromolaena odorata (L.) R.M.King & H.Rob. Presenter: Harto Widodo	Title: Unlocking the Potential of Lignocellulosic Biomass Empty Fruit Bunch of Palm Oil for High-Quality Nanocellulose Production through Emim Acetate Ionic Liquid-Assisted Polymer Component Separation Presenter: Heri Satria	Title: Immuno-protection Level Antibodies Against Diphtheria and Tetanus in Children Based on National Basic Health Research (Risesdas 2007, 2013, 2018) in Indonesia Presenter: Christina Safira WhinieLestari	14.40-14.50	Title: The Effect Of Habitat Management On The Attack Of Aondiella Aurantii (Maskell) Red Scale On Citrus Plant Presenter: Rudi Cahyo Wicaksono	Title: Effect of Culture Medium Strength on In Vitro Germination The Sumatran's Species Orchid Bulbophyllum putidum (Teijsm. & Binn.) J. J. Sm. Presenter: Syifa Ulia

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15.00 - 15.10	Title: Damage Caused by Spodoptera frugiperda J.E Smith on Corn in Climate Zone in South Sulawesi, Indonesia	Title: Analysis of the Suitability of Lalos Beach in Tolitoli, Central Sulawesi as a Dugong dugon (Müller, 1776) Habitat Conservation Area	Title: In vitro multiplication of Pothos tener shoots	Title: Encapsulated Centella asiatica Ethanol Extract Alleviates Liver Injury in Fulminant Hepatitis Rat Model	Title: Plant diversity and its potential in Sumenep Regency, East Java, Indonesia	Title: Bagging Material Test As A Pre-Harvest Treatment On The Quality Of MD-2 Pineapple Clones (Ananas Cosmos L. Merr) At Different Harvest Ages	Title: Textile Dye Decolorization of Yeast Isolated From Tuak Starter Culture	Title: Radical Scavenging and Cytotoxic On Some Cancerous Celllines Activity Of Macaranga Subpeltata Fraction	14.50-15.00	Title: Evaluation the Potential of Citronella Oil as a Repellent to Citrus Fruit Flies (Bactrocera sp.) in Field Conditions	Title: Follicle Hierarchy and Lipid Profile of Japanese Quail (Coturnix japonica L.) After Addition of Liquid Herbal Concoction
	Presenter: Andi Vebryanti	Presenter: Gerard Bhran Hasiolan Siregar	Presenter: Rossa Yunita	Presenter: Tri Yuliani	Presenter: Siti Susiarti	Presenter: Ria Rizky Lestari	Presenter: Reinhard Pinontoan	Presenter: Harto Widodo		Presenter: Mizu Istianto	Presenter: Hasan Basri
15.10 - 15.20	Title: Determination of Marker Compounds of Senna alata from different location in East Kalimantan, Indonesia	Title: Farmers' Responses to the Use of Superior Oil Palm Seeds in Merigi Kelindang District, Central Bengkulu Regency	Title: The Influence of Activation Technique on the Adsorption of Coconut Coir-Activated Carbon in Four Potentially Dangerous Liquids	Title: Co-culture of Sea Cucumber Associated Bacterium Streptomyces sp. SV21 with Staphylococcus aureus.	Title: Polyculture increases fungal endophyte colonization in pepper root tissue and rhizosphere. β -Glucosidase Activity from Aspergillus niger InaCC F98	Title: The Best Dosage Is Using Grape Seed Extract As A Hepatoprotector At The Beginning Of Fibrosis In White Rats (Rattus Norvegicus)	Title: The Use of Nitric Acid As A Perlite Activator In Adsorbing Methylene Blue	Title: The Role of Phosphotransferase System Components in Altering the Bacterial Virulence Factors of Klebsiella Pneumoniae	15.00-15.10	Title: Phytochemical and Antioxidant Activity of Terompet Flower (Brugmansia suaveolens L.) Extract	Title: Application Of Natural Dyes As Alternative Of Synthetic Dye In Microscopic Observation Of Plant Tissues
	Presenter: Deby Mipa Salam, S.Pd., M.Si.	Presenter: Drs. Afrizon, M.Si.	Presenter: Heru Satrio Wibisono	Presenter: Joko Tri Wibowo	Presenter: La Ode Khalik Anshari	Presenter: Ratna Widyawati	Presenter: Mardiana Rimba Utami	Presenter: Novaria Sari Dewi Panjaitan, S.Farm., Ph.D.		Presenter: I Ketut Suada	Presenter: Rasuanee Noor
15.20 - 15.30	Title: Eco-Enzymes Enhance the Growth of Rice Cultivars	Title: Preliminary study on treatment of home textile industry effluent in Kuala Terengganu, Malaysia, using biological methods.	Title: Development of Polymerase Chain Reaction Assay Protocol for Assessment Salmonella sp. in Cow Raw Milk	Title: The Potency of Invasive M. pudica Plant Against C. albicans Sessile Cells	Title: Population of Spodoptera frugiperda with Intercropping System Maize and Cover Crops	Title: Potency of Kayu Angin (Usnea spp.) as Indonesian Medicinal Plants	Title: Scaling up of Amylase Enzyme Production by Rhizopus oryzae by Utilizing Tapioca Solid Waste as Substrate	Title: In Vivo Immunostimulatory Activity of Standardized Ciplukan Fruit Extract (Physalis angulata L)	15.10-15.20	Title: Viability And Morphology Of Salmonella Typhimurium Atcc 49416 At Toxicity Level Of Oil Sludge Results Of Phytoremediation	Title: Stem Differentiation and Utilization of Myrmecodia pendens Merr. & L.M.Perry
	Presenter: Made Ria Defiani	Presenter: R. Ira Puspita Sari	Presenter: Maharani Pertiwi K	Presenter: Sufi Desrini	Presenter: Elsa Sulastri	Presenter: Miftahul Jannah	Presenter: Dr. Merry Meryam Martgrita	Presenter: Radhia Riski		Presenter: Dr. Sri Rejeki Rahayuningsih MSi.	Presenter: Lydia Natalia Endewip

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15.30 - 15.40	Title: Effect Of Application Liquid Organic Fertilizer Bio3 With Some Concentrations Presenter: Eko H. Agustin Juwaningsih	Title: Ethnobotanical Study of Zingiber album Nurainas, an Endemic Ginger from Sumatra Presenter: Faradila Syafira	Title: Lyoprotectants for Lactobacillus brevis and Their Capability to Maintain the Expression of Surface Layer Protein Presenter: Riyona Desvy Pratiwi	Title: The Potency of Encapsulated Enzymatic Product of Smallanthus sonchifolius Standardized Water Extract as Tooth Supplement in Rat Model of Menopause Presenter: Tri Yuliani	Title: Urgent Propagation of The Endemic and Possibly Extinct in The Wild Tree Cassine koordersii (Celastraceae) Presenter: Enggal Primananda	Title: Embryogenic Callus Induction of Indonesian Cassava (Menti and Adira 4) on Different Picloram Cocentrations Presenter: Sisca	Title: Cultivating Microalga <i>Euglena</i> Sp. With The Addition Of 6-Benzylaminopurine (Bap) For Biofuel Production Presenter: Ria Amelia	Title: Adverse Event Following Immunization of Sinovac or Astrazeneca Vaccination Presenter: Dr. dr. Telly Purnamasari A, M.Epid	15.20-15.30	Title: Molecular Detection of Bacterial Endosymbiont on Whitefly Populations in Yogyakarta: Insights into Diversity and Distribution Presenter: Muhammad Lutfi	Title: Dark Septate Endophytic Fungus <i>Cladophialophora chaetospora</i> SK51 Increases Growth, Nodulation, and Yield of Soybean in an Organic Environment Presenter: Ni Luh Putu Citra Innosensia
15.40 - 15.50	Title: Vegetation Diversity on Cashew Agroforestry System in Dukuh Village, Karangasem Regency, Bali Presenter: Ayyu Rahayu	Title: A Mental Model of Biocultural Diversity: Exploring Subak Landscape Imagery by the Balinese Younger Generation Presenter: I Gusti Agung Sri Rwa Jayantini	Title: Preliminary study on treatment of home textile industry effluent in Kuala Terengganu, Malaysia, using biological methods Presenter: Ines Septi Arsiningtyas	Title: Bioprospecting Antiobesity and Anticholesterol Activity of Ethanolic Extract of <i>Clidemia hirta</i> Leaves Grown at Merapi Mountain National Park in a High Fat Diet-Induced Obese Swiss Webster Mice Presenter: Higa Afza	Title: Evaluation of Hard Seed in Indonesia Local Mungbean (<i>Vigna radiata</i> L.) Presenter: Feni Andriani	Title: Growth Media for Cultivating Microalgae Isolated from Mining Water Samples of Muntok City, Bangka-Belitung Province Presenter: Luciasih Agustini	Title: Microbial Diversity and Initial Chemical Characterization of 'Ciu' – A Javanese Traditional Alcoholic Beverage Presenter: Yuni Widyastuti	Title: Genetic Advance from 20 years of Breeding Hybrid Rice in Indonesia Presenter: Erlina Nurul Aini	15.30-15.40	Title: Biological Degradation of Bamboo Paper by Two White-Rot Fungi Species Presenter: Lani Hardiany	Title: Ex Vitro Shoot Induction Of Rodent Tuber (<i>Typhonium flagelliforme</i>) With Benzyl Amino Purin And Naphthaleine Acetic Acid
15.50 - 16.20	Discussion	Discussion	Discussion	Discussion	Discussion	Discussion	Discussion	Discussion	15.40-16.10	Discussion	Discussion