

## SCIENTIFIC PROGRAM

**MONDAY, 7<sup>TH</sup> AUGUST 2017**

<b>TIME</b>	<b>VENUE: PHOENIX BALLROOM</b>	<b>PAGE</b>
07.30-08.00	Registration	
08.00-09.30	<b>Opening ceremony</b>	
08.00-08.10	Indonesia Raya Anthem	
08.10-08.15	Suwar Suwir Dance	
08.15-09.05	Speech :	
08.15-08.25	a. Chairwoman ICOLIB address: Purwatiningsih, Ph.D	
08.25-08.35	b. Standiger Vertreter of Germany Embassy: Hendrick Barkeling	
08.35-08.45	c. Director General of Learning and Student Affairs, Ministry Research, Technology and Higher Education: Prof. Dr. Intan Ahmad	
08.45-09.05	d. Rector of The University of Jember: Moh. Hasan, Ph.D	
09.20-09.25	Pray (Dr. Bambang Piluharto, M.Si)	
09.25-09.45	Reog Ponorogo Performance Dance	
09.45-10.00	Group Photo Session	
10.00-10.30	Coffee Break	
10.30-12.00	<b>Keynote 1.</b> Infectious Agents in Bovine Red Meat and Milk and Their Potential Role in Cancer and Other Chronic Diseases <b>Prof. Harald zur Hausen</b> , Nobel Laureate in Physiology or Medicine (University of Heidelberg-Germany) <b>Chairperson:</b> Kartika Senjarini	
12.00-13.00	ISHOMA and Poster Session	
13.00-13.45	<b>Keynote 2.</b> Study on Molecular Mechanisms on Plant Architecture in Rice <b>Prof. Chang-deok Han</b> , Division of Applied Life Science, Plant Molecular Biology & Biotechnology Research Center (PMBBRC),Gyeongsang National University, Jinju 660-701, Korea <b>Chairperson:</b> A. Sjaifullah Ph.D,	
13.45-14.30	<b>Keynote 3:</b> Present status of insecticide resistance in urban insectpests in Indonesia <b>Prof Intan Ahmad</b> , Entomology (Institute of Bandung, Bandung) <b>Chairperson:</b> A. Sjaifullah, Ph.D	
14.30-15.10	Coffee Break	
<b>Venue: ROOM PHOENIX</b>		
15.10-17.00	<b>Parallel Oral Session.AGRICULTURE</b> Chairperson: Edwin Setiawan and Purwatiningsih	
	1. <b>CHARACTERIZATION OF NPR1 ANKYRIN DOMAIN FROM CHILLI PEPPER (<i>Capsicum annuum</i> L.)</b> Jamsari Jamsari, Bastian Nova, Sumaryati Syukur, Lily Syukriani, and Elfi Asben .....	
	2. <b>GENETIC PERFORMANCE OF FOUR SOYBEAN VARIETIES GROWING ON THE LAND</b>	

**POLLUTED BY FLY ASH SEWAGE**

Hasan Basri Jumin .....

3. **ISOLATION AND BIOASSAY OF PHOSPHATE BIOFERTILIZER FOR MAIZE**

Anggi Jingga, Briljan Sudjana, Betty Natalie Fitriatinand Tualar Simarmata .....

4. **FORMULATED BIOMELIORANT AS BIOFERTILIZERS AND SOIL CONDITIONER FOR ENHANCING SOIL HEALTH, BENEFICIAL RHIZOBACTERIA POPULATION AND THE PRODUCTIVITY OF SOYBEAN**

Simarmata, T, Setiawati, R.S, Herdiyantoro, D, Sudjana B, Edriana, I.P and F.N.Fathallah .....

5. **SOIL VARIABILITY AND SUGARCANE (*Saccharum officinarum* L.) BIOMASS ALONG ULTISOL TOPOSEQUENCES**

M. Edi Armanto .....

6. **MORPHOLOGICAL CHARACTERISTICS OF SENGON STAND (*Paraserianthes falcataria*) IN AREA FOREST KPH BLITAR JAWA-TIMUR**

Anang Susanto, MTh Sri Budiastuti, Djoko Purnomo, Mujiyo .....

7. **ANALYZING AND UNDERSTANDING WHY FARMERS AVOID DEEP PEATLAND FOR FOOD CROP FARMING**

Elisa Wildayana, Dessy Adriani and M. Edi Armanto.....

8. **OPTIMIZATION OF PALM EMPTY FRUIT BUNCH AND PALM KERNEL SHELL BIO-BRIQUETTES CHARACTERISTICS USING RESPONSE SURFACE METHODOLGY**

Zahra Fona .....

9. **IN VITRO FERMENTATION OF PREBIOTIC XYLOOLIGOSACCHARIDES FROM CASSAVA WASTE BY *Lactobacillus* spp.**

Anak Agung Istri Ratnadewi, Marena Thalita Rahma, Nurhayati, Agung Budi Santoso, Wuryanti Handayani.....

10. **ENFLEURATION AND CHARACTERIZATION OF ESSENTIAL OIL FROM *Cananga odorata***

Ika Oktavianawati, Shella Ariska Susianti, Lailatul Nurfadila, I Nyoman Adi Winata .....

11. **DETECTION OF PADDIES REFLECTANCE TO CLASSIFY THEIR AGE USING RGB PHOTOGRAPH IMAGES**

Bowo Eko cahyono, Agung Tjahjo Nugroho, Miftahul Rizkiyani .....

**Venue: ROOM ARGOPURO 1**

15.10-17.00 **Parallel Oral Session. HEALTH AND MEDICINE**

Chairperson: Rike Oktarianti and Tri Ratnasari

1. **ANTIGENICITY AND EPITOPE MAPPING OF 33**

- kDa ANTIGENIC PROTEIN FROM SALIVARY GLAND OF *Anopheles sundaicus***  
Yunita Armiyanti, Widodo, Loeki Enggar Fitri, Teguh Wahyu Sardjono .....
2. ***Myrmeleon* sp. AS POTENTIAL ANTI-DIABETIC AGENT DECREASE THE DAMAGE OF LIVER AND KIDNEY HISTOLOGY OF HYPERGLYCEMIA MICE**  
Dwi Wulandari, Jekti Prihatin, Alief Kurniawan, Anjar Putro Utomo, Slamet Hariyadi, Erlia Narulita.....
  3. **INTRANASAL IMMUNIZATION WITH 54 KDA HEMAGGLUTININ PILI PROTEIN OF *Streptococcus pneumoniae* INCREASE EXPRESSION OF pIgR**  
Diana Chusna Mufida, Kusworini Handono, Sumarno Reto Prawiro, Sanarto Santoso .....
  4. **ESTRADIOL LEVELS AND UTERUS HISTOLOGY OF FEMALE MICE (*Mus musculus*) INDUCED BY SYNTHETIC PROGESTERONE**  
Fikri Ainur Risma Hardiyanti Oktavia, Jekti Prihatin, Khoirul Anam, Erlia Narulita .....
  5. **ANTIBACTERIAL ACTIVITIES OF SEA MANGO (*Cerbera odollam* G.) LEAF EXTRACT AGAINST PATHOGENIC BACTERIA**  
Septiana Isni Maharani, Toshifumi Sakaguchi, Wachju Subchan .....
  6. **ANTIMICROBIAL AND ANTICANCER ACTIVITIES OF ENDOPHYTIC FUNGI ISOLATED FROM MANGROVE PLANT *Sonneratia alba* Sm**  
Dian Handayani , Harrizul Rivai, Netty Suharti, Rizka Mulyana, Roslaili Rasyid .....
  7. **PROTEIN DOMAIN ANNOTATION OF *Plasmodium* sp.CIRCUMSPOROZOITE (CS) USING HIDDEN MARKOV MODEL**  
Arli Aditya Parikesit, Didik Huswo Utomo, Nihayatul Karimah .....
  8. **ROLE OF PUTATIVE *Toxoplasma gondii* BAX INHIBITORS IN APOPTOSIS-LIKE CELL DEATH REGULATION**  
Ayu Dewi Ni Nyoman, Natacha Klages, Dominique Soldati-Favre, Carsten GK Lüder .....
  9. **THE PERFORMANCE AND NUTRIENT DIGESTIBILITY OF LOCAL RABBIT CONSUMED PROBIOTIC PROBIO-FM**  
Nurhayati, Aldina Bonita Br S. Pelawi, Heru Handoko.....
  10. **NATURAL BIOACTIVE COMPOUND CHALCONE FROM *Syzygium samarangense* AN ANTICANCERBASED ON IN SILICO SCREENING**  
Mohamad Amin, Yuslinda Annisa, Alvina Putri Purnama Sari, Ahya Zhilalikbar Amin, and Ihya Fakhurizal Amin

11. **EXPLORATORY STUDY ON SUPERCRITICAL  
EXTRACTION OF PROPOLIS: CENTRAL  
COMPOSITE DESIGN APPROACH**

Boy Arief Fachri, Puspita Sari .....

**Venue: ROOM ARGOPURO 2**

15.10-17.00 **Parallel Oral Session.BIODIVERSITY**

Chairperson: Astuti Nur Hasanah and Chaidir

1. **EVALUATING THE GEOGRAPHICAL  
DISTRIBUTION OF COI HAPLOTYPES OF  
*Nannophya pygmaea* (ODONATA: Libellulidae)**  
Trina E. Tallei .....
2. **THE DIVERSITY OF PTERIDOPHYTES HAVE  
MEDICINAL POTENCY BASED ON ALTITUDE IN  
SOUTHERN SLOPES AREAS OF MOUNT SLAMET  
BATURRADEN**  
Lia Rahmi Adriani, Susanti .....
3. **PHYLOGENETIC ANALYSIS OF FUNGAL  
ENDOPHYTE FROM QUINA PLANT (*Cinchona  
calisaya* Wedd) BASE ON ITS rDNA SEQUENCE**  
Nani Radiastuti, Zhafira Amila Haqqa, Dwi N. Susilowati  
.....
4. **MOLECULAR CHARACTERIZATION OF FOUR  
GIANT GOURAMI STRAINS FROM JAVA AND  
SUMATERA**  
Agus Nuryanto, Gina Amalia, Dainty Khairani, Hendro  
Pramono, Dian Bhagawati .....
5. **UNEXPECTED SPECIES SHIFTING OF  
THE ANOPHELES DIVERSITY IN BANGSRING  
VILAGE, WATUDODOL DISTRICT  
BANYUWANGI, INDONESIA**  
Kartika Senjarini, Renam Putra Arifianto, Maulana Jauharil  
Habib, Muhtar Gunawan Wibisono, Syubbanul Wathon and  
Rike Oktarianti .....
6. **ISOLATION AND CHARACTERIZATION OF  
BENEFICIAL BACTERIA FROM THE GUT OF  
TILAPIA (*Oreochromis niloticus*) FOR PROBIOTIC  
PROPERTIES AGAINST FISH PATHOGENS**  
Elmi Nurhaidah Zainuddin and Rika Wulandari .....
7. **ISOLATION AND SCREENING INDIGENOUS  
ACTINOMYCETES FROM RHIZOSPHERE OF  
CACAO AND EDAMAME SOYBEAN: THE  
POTENTIAL OF ACTINOMYCETES AS  
MICROBIAL AGENT IN BIOFERTILIZER**  
Esti Utarti, Yulin Lestari and Anja Meryandini .....
8. **DIVERSITY OF JUVENILE AND SMALL FISH IN  
MANGROVES WITH DIFFERENT ROOT TYPES IN  
LABUHAN COASTAL AREA, SEPULU –  
BANGKALAN**  
Farid Kamal Muzaki, Dian Saptarini, Acib Setia Ibadah..
9. **FIRST EXTENSIVE SURVEY OF HETEROBRANCH**

**SEA SLUGS (Mollusca, Gastropoda, Heterobranchia)  
FROM BUNAKEN NATIONAL PARK, WITH  
EMPHASIS AROUND BUNAKEN ISLAND**

Fontje Kaligis, Jobel Dialao, Dorothee Schillo, Till  
Schäberle, Nils Böhringer, Robert Bara, Sven  
Reumerschüssel, Jan-Hendrik Eisenbarth, Gabi König, Heike  
Wägele .....

**10. MICROFLORA OF LELE DUMBO (*Clarias  
gariepinus*) AND TOTAL PLATE COUNT (TPC)  
INTESTINE AND IMPORTANT PROBIOTIC  
LACTIC ACID BACTERIA (LAB) AND HOW  
GROWTH STUDIES IN IN THE CATFISH FEED  
MANUFACTURER IN VITRO**

Rudju Winarsa and Qurrotul Qommariyah .....

**11. TRANSCRIPTOMIC ANALYSIS OF DEFENCE-  
RELATED GENES IN *Musa spp.***

Yunus Effendi, Arief Pambudi, Lulu Nisrina, Heny  
Isrochawati .....

**Venue: ROOM PAPUMA**

**15.10-17.00 Parallel Oral Session. ENVIRONMENTAL SCIENCE &  
RENEWABLE ENERGY**

Chairperson: Hari Sulistiyowati & Suseno Amin

**1. SELECTION OF EFFECTIVE SGRNAS FOR  
CLEAVAGE OF PALMITOYL-ACP**

**THIOESTERASE (PATE) EXON-1 GENE IN OIL  
PALM USING CRISPR/CAS9 SYSTEM IN VITRO**

Victor Aprilyanto, Andrea P. Subroto, Chris Darmawan,  
Zulfikar A. Tanjung, Reno Tryono, Condro Utomo, and  
Tony Liwang .....

**2. CLIMATE CHANGE IMPACT TOWARD  
FISHERIES CATCH DIVERSITY IN EAST JAVA**

Nova Maulidina Ashuri, Dewi Hidayati, Salman Al Farisyi,  
Ilham Ramadhan, Dwi Oktafitria, Indra Wirawan  
.....

**3. CHARACTERIZATION OF BIOFILM POLYMERS  
TO DEVELOP BIOFILM AS AN ADSORBENT FOR  
WATER TREATMENT**

Andi Kurniawan, Sukandar, Tatsuya Yamamoto, Yasuaki  
Fukuda .....

**4. SOIL PHOSPHATE AND POTASSIUM DISSOLVING  
ACTIVITIES BY SOIL BACTERIAS**

Tri Candra Setiawati, Martinus Pandutama, Marga  
Mandaladan Caesarina .....

**5. POTENTIAL USE OF SIMPLE BIOMARKERS TO  
DETECT METAL TOXICITY UNDER DIFERENT  
PH IN LABORATORY STUDY**

Yaqin K, Kabangga A, Fachruddin L .....

**6. CONSTRUCTION OF AMPEROMETRIC  
BIOSENSOR FOR DETECTION OF AGING  
BIODIESEL**

- Arief Budi Witarto, Aya Igarashi, Wakako Tsugawa, Koji Sode .....
7. **CHEMICAL HYDROLYSIS OPTIMIZATION OF CASSAVA (*Manihot esculenta*) var. GAJAH FOR BIOETHANOL PRODUCTION**  
Krishna Purnawan Candra, Kasma, Marwati .....
  8. **THE USE OF SIGMOIDAL DOSE RESPONSE IN ASSESSING ECOTOXICOLOGICAL RISK OF AGROCHEMICALS ON MICROBIAL ACTIVITY IN SOILS**  
F. Tindaon, F. J. Simanungkalitand G. Benckiser  
.....
  9. **MOLECULAR IDENTIFICATION AND DETECTION OF *ALKB* GENES OF BACTERIA POTENTIAL AS BIODEGRADABLE AGENT OF POLYETHYLENE PLASTIC WASTE**  
Norma Sainstika Pangestu, Isworo Rukmi, Anto Budiharjo  
.....
  10. **SIMULATION INCREASING WATER AVAILABILITY TO LEAF FALL OF YOUNG FAST GROWING TEAK**  
Eliyani .....
  11. **HIGH THROUGHPUT SCREENING METHOD FOR BIODEGRADATION TEST OF VARIOUS AZO DYES**  
Sri Harjati Suhardi, Ragil P. Widyastuti, Dani Permana, Khomaini Hasan, Edwan Kardena, Agus Jatnika .....

Certificate Distribution

**TUESDAY, 8 AUGUST 2017**

**TIME VENUE: PHOENIX BALLROOM**

TIME	VENUE: PHOENIX BALLROOM
07.30-08.00	Registration
08.00-08.45	<b>Keynote 4.</b> Quality Management in Thai Mango Supply Chain to Meet the Needs of Consumers: A case Study of Mango Exporting to Japan Market <b>Prof. Sirichai Kanlayanarat</b> , Postharvest Technology Program, School of Bioresources and Technology, King Mongkut's University of Technology Thonburi, Bangkok Thailand <b>Chairperson:</b> M.Suudi
08.45-09.30	<b>Keynote 5.</b> The importance of N-terminal domain on the post-translation regulation of sucrose-phosphate synthase from sugarcane( <i>Saccharum officinarum</i> ) <b>Prof. Bambang Sugiharto</b> , Biology department, Faculty of Math and Natural Science, The University of Jember <b>Chairperson:</b> M.Suudi
09.30-10.00	Coffee break

- 10.00-10.45 **Keynote 6.** Long-Term Changes in Water Quality in Lake Biwa With Special Reference to Organic Matter Dynamic, Microbial Ecology and Diversity  
**Prof. Shin-Ichi Nakano.** Centre for Ecological Research, Kyoto University, Hirano Shiga, Japan  
**Chairperson:** Siswoyo, Ph.D
- 10.45-11.30 **Keynote 7:** Ecology, Biodiversity and Human Welfare  
**Prof. Inocencio E. Buot Jr.,** Botany, Ecology & Biodiversity (University of The Philippines Los Banos-Philippine)  
**Chairperson:** Siswoyo, Ph.D

11.30-12.30 **ISHOMA and Poster Session**

**Venue: ROOM PHOENIX**

- 12.30-14.30 **Parallel Oral Session. AGRICULTURE**  
 Chairperson: Tri Candra dan Anak Agung Istri Dewi
1. **PRODUCTION OF NITROGEN-PHOSPHOR-SULPHUR (NPS) SLOW-RELEASE FERTILIZER USING POLYSTYRENE-STARCH WITH SPRAY COATING TECHNIQUES**  
 Muslim Suardi, Reni Mayerni, Elfi Sahlan Ben, Selvi Merwanta, Yahdian Rasyadi, Noni Rahayu, Betna Dewi, Idris Sutan Sati and Akmal Djamaan .....
  2. **IDENTIFICATION OF POLYKETIDE SYNTHASES IN *Elaeis guineensis* AND THEIR POSSIBLE ROLE IN RESPONSE TO *Ganoderma boninense* INFECTION**  
 Zulfikar Achmad Tanjung, Redi Aditama, Condro Utomo, Tony Liwang, Reno Tryono .....
  3. **EVALUATION RHIZOSPHERE FUNGI IN PALM OIL PLANTATION AGAINST *Ganoderma boninense* STEM ROT DISEASE ON OIL PALM**  
 Mulawarman, Didi Permadi .....
  4. **STUDY THE EFFECT OF DROUGHT STRESS AND BIOLOGICAL FERTILIZER TOWARD THE GROWTH OF MEDICINAL PLANT *Brucea javanica* (L.) Merr**  
 Dwi Setyo Rini .....
  5. **EFFECTIVENESS OF FUNGI ISOLATED FROM RHIZOSPHERE PALM OIL FOR CONTROL *Ganoderma boninense***  
 Mulawarman, Didi Permadi .....
  6. **UTILIZING OF AGRICULTURE WASTE AS POLLUTANT CONTROL: A REVIEW**  
 Husnawati Yahya .....
  7. **EFFECT OF PROCESSING METHOD AND FERMENTATION TO ENHANCE QUALITY OF ARABICA COFFEE**  
 Raudah, Zulkifli, and Reza Fauzan .....
  8. **BIOLOGICAL CONTROL OF PLANT PARASITIC**

**NEMATODE ON BLACK PEPPER WITH  
ENDOPHYTIC BACTERIA**

Abdul Munif, Rita Harni, Diana Putri .....

9. **DECOMPOSITION OF COFFEE PULP UNDER  
SOLID STATE FERMENTATION BY *Aspergillus*  
VT12**

Syafiq Ubaidillah, Nur Halimah Kurniawati, Kahar  
Muzakhar .....

10. **ANTIMICROBIAL PEPTIDE : POTENTIAL  
FUNCTION OF *ZmES* GENE FAMILY FROM  
MAIZE**

Suseno Amien and Thomas Dreeselhaus.....

11. **COMPOSITE OF ZEOLITE AND ARROWROOT  
STARCH BASED HYDROGEL AS MATRIX FOR  
CONTROLLED RELEASE AMMONIUM SULFATE  
FERTILIZER**

Achmad sjaifullah, I Nyoman Adi Winata, Lia Zakiatul  
Faidza .....

12. **EFFECTS OF POTASSIUM FERTILIZER AND  
GIBBERELLIN ON YIELD OF CAYENNE PEPPER  
(*Capsicum frutescens L.*)**

Setiyono, Ketut Anom Wijaya, Riza Maisaroh .....

13. **THE INSECTICIDAL ACTIVITY OF AND  
ASARONE ON SILICA NANOPARTICLES AGAINST  
THE CABBAGE HEART WORM**

Purwatiningsih and Barlah Rumhayati .....

**Venue: ROOM ARGOPURO 1**

12.30-14.30 **Parallel Oral Session. HEALTH AND MEDICINE**

Chairperson: Hidayat Teguh Wiyono and Diana Chusna

1. **PARASITOLOGICAL AND MOLECULAR  
CHARACTERIZATIONS OF CHRONIC LYMPHATIC  
FILARIASIS PATIENTS IN PROVINCE OF ACEH,  
INDONESIA**

Muhsin, Tjut Mariam Zanaria, Rachmat Hidayat, Safarianti,  
Maryatun, Fong Mun Yik .....

2. **ISOLATION OF AGAROSE FROM AGAR AND ITS  
APPLICATION AS MEDIUM IN THE DISC  
DIFFUSION ANTIBIOTIC SUSCEPTIBILITY  
TESTING OF BACTERIA**

Adek Zamrud Adnan, Marlina and Rayi Laras Alit .....

3. **ADMINISTRATION OF LITOMOSOIDES  
SIGMODONTIS ANTIGEN INDUCES  
THERMOGENESIS-RELATED GENE EXPRESSION  
IN DIET-INDUCED OBESE MICE BY INDUCING  
TYPE 2 IMMUNE RESPONSE**

Afiat Berbudi, Jesuthas Ajendra, Fabian Gondorf, David  
Schmidt, Anna-Lena Neumann, Ajeng P.F. Wardani, Linda  
S. Hoffmann, Alexander Pfeifer, Achim Hoerauf, Marc P.  
Hübner .....



4. **HHV-8 INFECTION AMONG HIV-POSITIVE TREATMENT NAÏVE AND TREATED PATIENTS IN BULELENG REGENCY, BALI**  
Ni Luh Ayu Megasari, Devi Oktafiani, Elsa Fitriana, Nasronudin, Soetjipto .....
5. **ANTIMALARIAL ACTIVITY OF *Litsea cubeba* LEAF EXTRACT IN MALARIA-MICE MODEL**  
Erma Sulistyarningsih, Cich Komariah, Kunti Mardiyana .....
6. **RESISTANCE DEVELOPMENT OF *Aedes aegypti* TO PYRETHROID-BASED INSECTICIDES IN SEVERAL AREAS IN INDONESIA**  
Penny Humaidah Hamid, Vika Ichsaniana N, A. Ghiffari, Anis Widyasari .....
7. **NEGLECTED ZOO NOTIC-PARASITES ARE CIRCULATED IN RAT POPULATION IN CODE RIVERSIDE, YOGYAKARTA**  
Penny Humaidah Hamid, M. Kurniawan, Dwi Priyowidodo, Siti Isrina OS .....
8. **THE ROLE OF SURVIVIN ON THE HIGH SURVIVAL OF ROTENONE-TREATED HUMAN BREAST CANCER STEM CELLS**  
Septelia Inawati Wanandi, Resda Akhra Syahrani, Elvira Yunita, Go Aulia .....
9. **CYTOTOXIC EFFECT OF *Aaptos suberitoides* MARINE SPONGE EXTRACTS ETHANOL ON HELA CELLS CANCER WITH IN VITRO TEST**  
Edwin Setiawan, Awik Puji Dyah Nurhayati, Sukardiman, Hani Tenia .....
10. **COMMUNITY HEALTH AS EVIDENCED BY A COMMUNITY WELLBEING INDEX (CWBI): THE CASE IN BOHOL, PHILIPPINES**  
Merites M. Buot .....
11. **DETERMINATION OF SPF NUMBER AND ANTIOXIDANT ACTIVITY OF SEAWEED EXTRACT FROM GUNUNG KIDUL, YOGYAKARTA**  
Windu Merdekawati, Sukarti Moeljopawiro, Kuwat Triyana, Tri Joko Raharjo, AB Susanto .....
12. **THE EFFECT OF NATRIUM METABISULPHIT ( $\text{Na}_2\text{S}_2\text{O}_5$ ) EXPOSED ON BALB'C MICE LIVER HISTOLOGY**  
Eva Tyas Utami, Lia Risqi Arisandi, H Teguh Wiyono..
13. **THE PREDICTION OF CURCUMIN CONTENT IN THE TURMERIC RHIZOME WITH RAMAN HANDHELD SPECTROSCOPY**  
I Made Agus Gelgel Wirasuta, Cokorda Istri Tirta Rusmala Dewi, Ni Putu Linda Laksmiani, I Gusti Ayu Made Srinadi .....

12.30-14.30 **Parallel Oral Session.BIODIVERSITY**

Chairperson:Syubbanul Wathon and Bowo Eko Cahyono

1. **THE POTENTIAL OF AMARANTH AS NATURAL ANTIOXIDANTS**  
Andini R, Novita M, Sulaiman MI .....
2. **APPLYING *Bacillus subtilis* TO STABILIZED TROPICAL ORGANIC CLAY**  
Jack Widjajakusuma, Andrew Changgrawinata, Marcellia Sugata, Tan Tjie Jan .....
3. **CHARACTERIZATION OF POLYSACCHARIDE EXTRACT FROM MYCELIUM AND FRUITING BODY OF LING ZHI (*Ganoderma* sp.) WITH FACE (*Fluorophore Assisted Carbohydrate Electrophoresis*)**  
Maria Goretti M. Purwanto, Tjandra Pantjajani, Yuvita Cahyadi .....
4. **DIVERSITY OF ENDOPHYTIC *Trichoderma* ISOLATED FROM VARIOUS ECOSYSTEMS IN RIAU, INDONESIA**  
Abdul Gafur, Aswardi Nasution, Ching Yong Wong, Mukesh Sharma.....
5. **PfMQO INHIBITOR POTENTIAL OF ENDOPHYTIC FUNGI ISOLATED FROM *Aglaia elliptica***  
Chaidir, Intan Mukti Pratiwi, Susi Kusumaningrum, and Erwahyuni E. Prabandari .....
6. **IDENTIFICATION OF CELLULOLYTIC BACTERIA BA 041109 FROM BANDEALIT COASTAL AREA BASED ON DNA SEQUENCES ENCODING 16S RRNA**  
Ika Wahyuni, Sattya Arimurti, Kartika Senjarini .....
7. **EFFECT OF HEATING ON THE PHYSICO-CHEMICAL STABILITY OF SAANEN GOAT MILK**  
Rahimah, S. ....
8. **CHECKLIST OF COMMERCIALY IMPORTANT GROUPER (SERRANIDAE) IN ACEH, INDONESIA**  
NurFadli, Zainal A. Muchlisin&Mohd N. Siti-Azizah ....
9. **THE INFLUENCE OF MALE QUALITY ON FEMALE REPRODUCTIVE INVESTMENT IN RED JUNGLE FOWL (*Gallus gallus*)**  
Asmoro Lelono .....
10. **CHARACTERISTIC AND CAPABILITY OF P-SOLUBILIZERS RHIZOBACTERIA ON SALINE SOIL ECOSYSTEM**  
Husyari, U.D., Betty N. Fitriatin, Hersanti dan Tualar Simarmata .....
11. **ADULTICIDE EFFICACY OF *Artemisia vulgaris* Against *Aedes aegypti***  
Vika Ichsania Ninditya, Endah Purwati, Ajeng Tyas Utami, Aprillyani Sofa Marwaningtyaz, Nadia Khairunnisa Fairuz, Penny Humaidah Hamid .....
12. **INDEGENOUS TREE SPECIES ON THE NORTH**

**SLOPE OF MOUNT LAWU, NGAWI, EAST JAVA**

Atus Syahbudin, Azizah Nur Sibarini, Dwi Tyaningsih

Adriyanti .....

**13. ISOLATION OF ALKALOTHERMOPHILIC  
XYLANASE GENE FROM *Bacillus halodurans* CMI  
AND ITS CLONING IN PGEM T-EASY**

Astutiati Nurhasanah, Haniyya, Niknik Nurhayati, Is

Helianti .....

**Venue: ROOM PAPUMA**

**12.30-14.30 Parallel Oral Session. ENVIRONMENTAL SCIENCE &  
RENEWABLE ENERGY**

Chairperson: Krisna Purnawan Candra and Mohamad Amin

**1. THE DEVELOPMENT OF INVENTORY,  
MONITORING, AND INFORMATION NETWORKS  
SYSTEM OF FAUNAL DIVERSITY IN SOUTH  
SUMATRA**

Indra Yustian, Arum Setiawan, Doni Setiawan, Laila

Hanum, Zulkifli Dahlan .....

**2. BIOGAS PRODUCTION FROM TOFU WASTE  
TREATMENT USING BATCH REACTOR**

Wahyu Eko Diyanto, Elida Novita, Sri Wahyuningsih.

**3. ECOLOGICAL FOOTPRINT AND THE WEALTH  
OF PEOPLE FROM SOCIOECOLOGICAL'S POINT  
OF VIEW (CASE IN PALEMBANG, INDONESIA)**

K.V.M. Geronimo, Arinafril, D.V.Thao .....

**4. MECHANICAL PROPERTIES OF STARCH BASED  
BIOCOMPOSITES REINFORCED WITH WATER  
HYACINTH FIBERS**

H Abral and J Hartono .....

**5. PRECIPITATION TECHNIQUE OF XANTHAN GUM  
FROM FERMENTATION BROTH BY ADDITION OF  
WATER-MISCIBLE-SOLVENT**

Edi Wahyu Sri Mulyono, Nancy Siti Djenar.....

**6. RECENT ISSUES RELATED TO THE SAFETY OF  
MARINE AND FISHERY PRODUCTS FOR LOCAL  
AND GLOBAL MARKETS**

Dwiyitno, Yusma Yennie and Singgih Wibowo .....

**7. THE CORRELATION BETWEEN RESISTANCES OF  
BACTERIA AGAINST HEAVY METALS AND ITS  
TOLERANCES TOWARD ANTIBIOTICS**

Rizna Rahmi .....

**8. USE OF BIOTIC INDEX OF BENTHIC  
MACROINVERTEBRATES FOR DETECTING  
POLLUTION LEVELS IN SEVERAL RIVERS IN  
EAST BORNEO**

Fatmawati Patang, Agoes Soegianto, Sucipto

Hariyanto.....

**9. TENSILE AND FLEXURAL PROPERTIES OF  
GREEN COMPOSITES (GC) BASED ON BAGASSE  
FIBERS WITH BACTERIAL CELLULOSE (BC)**

**BINDER**

Sujito, E. Purwandhari, M.I.H. Abusiri, D. Yuliana

10. **MODELING GAMLSS WITH PENALIZED SPLINE SMOOTHING USING INTERCATIVE WEB**

Dian Anggraeni, Anton Satria Darmawan, I Made

Tirta.....

11. **1D MAGNETOTELLURIC MODELLING AT TIRIS GEOTHERMAL AREA USING RECURSIVE FORWARD MODELLING**

Agus Suprianto, Supriyadi & Rini Pujiastuti .....

12. **A MODEL OF RELATIONSHIPBETWEEN ABIOTIC FACTORS AND RIPARIAN VEGETATION RELATED TO THE BENTHIC**

**MACROINVERTEBRATE AS WATER QUALITY INDICATORS IN THE LOTIC ECOSYSTEM**

Retno Wimbaningrum, Endang Arisoesilaningsih, Catur

Retnaningdyah, Serafinah Indriyani .....

13. **ELECTROCHEMICAL SEPARATION OF CADMIUM METAL FROM BLOODSHELL (*Anadara granosa*)**

Zuni Dihliziah, Tri Mulyono, Siswoyo .....

14.30-15.10 Coffee Break

**Venue: ROOM PHOENIX**

15.10-17.00 **Parallel Oral Session.AGRICULTURE**

Chairperson:Jamsari and Esti Utarti

1. **INCREASING RESISTANT STARCH TYPE 3 ON MODIFIED CASSAVA FLOUR (MOCAP) THROUGH ONE CYCLE AUTOCLAVING-COOLING COMBINED WITH DEBRANCHING ENZYME PULLULANASE**

Jauhar Firdaus, Achmad Subagio And Erma

Sulistyaningsih .....

2. **ANTIFUNGAL POTENCY FROM WALUR (*Neonauclea gigantea* (veleton) Merr.)**

Enih Rosamah, Enos Tangke Arung, Freddy R. Siahaan

.....

3. **SITE-DIRECTED MUTAGENESIS TO IDENTIFY THE ACTIVE SITE OF RECOMBINANTSUCROSE PHOSPHATE SYNTHASE FROM SUGARCANE**

Widhi Dyah Sawitri, Nurul Afidah, Mukhamad Su'udi, and

BambangSugiharto.....

4. **THERMAL AND PASTING PROPERTIES OF CORN STARCHES WITH DIFFERENT COMPOSITION ANDAMYLOSE CONTENT**

Niken Widya Palupi, Purnama Darmadji, Yudi

Pranoto,Sutardi, Jayus .....

5. **AMYLOSE CONTENT AND FUNCTIONAL PROPERTIES OF SECOND GRADE TRADITIONAL CASSAVASTARCH TREATED BY OXIDATION USING HYDROGEN PEROXIDE: INFLUENCE**

**DIFFERENT CONCENTRATION AND REACTION TIME**

Niken Widya Palupi, Yhulia Praptiningsih .....

6. **THE CONTENT OF POLYUNSATURATED FATTY ACIDS AT RED KIDNEY BEAN (*Phaseolus vulgaris* L.) TEMPE**

Noer Imamah, Siswanto, Fuad Bahrul Ulum .....

7. **COMMERCIAL USE OF BIOLOGICAL AGENTS AS BIOLOGICAL CONTROL FOR PLANT PESTS AND DISEASES : STATUS AND PROSPECTS**

Mutia Erti Dwiastuti .....

8. **NANOENCAPSULATING OF KAFFIR LIME (*Cirtus hystrix*) LEAVES OIL WITH COASERVATION METHOD USING ARABIC GUM AND MALTODEXTRIN AS ENCAPSULANT**

K.Triyono, N. Suhartatik, L. Kurniawati, Y.W. Wulandari .....

9. **ANTIOXIDANT AND PHENOLICS CONTENT OF BLACK GLUTINOUS RICE ANTHOCYANIN EXTRACT DURING FERMENTATION PROCESS USING *Pediococcus pentosaceus* N11.16**

A. Mustofa, N. Suhartatik .....

**Venue: ROOM ARGOPURO 1**

15.10-17.00 **Parallel Oral Session. HEALTH AND MEDICINE**

Chairperson: Erma Sulistyaningsih and Yunita Armiyanti

1. **THE EFFECT OF GOAT MILK ON BIOMARKERS OF BONE RESORPTION IN SEDENTARY WOMEN**

Yusni, Syahrul, Razi Soangkupon Siregar, Safrizal Rahman.....

2. **ANTI-INFLAMMATORY EFFECT OF ARABICA COFFEE EXTRACT (*Coffea arabica* L.)**

Arita Dewi Nugrahini, Takuya Sugahara .....

3. **CYTOGLOBIN, NEUROGLOBIN AND ACETYLCHOLINESTERASE ACTIVITY IN RAT BRAIN AS ADAPTATION RESPONSES TO INTERMITTENT HYPOBARIC HYPOXIA**

Angelina S. R. Masengi .....

4. **EFFECTS OF UMBILICAL CORD- AND ADIPOSE-DERIVED STEM CELL SECRETOMES ON ALDH1A3 EXPRESSION AND AUTOCRINE TGF- 1 SIGNALING IN HUMAN BREAST CANCER STEM CELLS**

Purnamawati, Jeanne. Adiwinata Pawitan, Andhika Rachman, Septelia Inawati Wanandi.....

5. **MICROBIAL MODIFICATION OF GADUNG (*Dioscorea hispida* Dennst) TUBER FLOUR THROUGH FACULTATIVE SUB-MERGED FERMENTATION USING LACTOBACILLUS PLANTARUM**

Andri Cahyo Kumoro, Marissa Widiyanti, Ratnawati, Diah

- Susetyo Retnowati .....
6. **PHASE DIAGRAM AND THERMODYNAMIC PROPERTIES OF KETOPROFEN-MALONIC ACID BINARY MIXTURES**  
Yudi Wicaksono, Dwi Setyawan, Siswandono .....
  7. **ANALYSIS OF PLURIPOTENCY MARKER EXPRESSION IN HUMAN GLIOBLASTOMA MULTIFORME CELLS TREATED WITH CONDITIONED MEDIUM OF UMBILICAL CORD-DERIVED MESENCHYMAL STEM CELLS**  
Novi Silvia Hardiany, Purnamawati, Syarifah Dewi, Reni Paramita, Septelia Inawati Wanandi .....
  8. **THE EFFECTS OF GALLIC ACID AND ITS SYNTHETIC DERIVATIVES FORM ON TNF-CYTOKINES AND VIABILITY OF ENDOMETRIOSIS CELLS IN VITRO**  
Arlen Bustami, Popi Sopiah, R. Muharam, Heri Wibowo, Ade Arsianti .....
  9. **THE ROLE OF RESISTANT STARCH TYPE 3 FROM CASSAVA STARCH IN INCREASING PLASMA GLP-1 LEVELS OF DIABETIC MOUSE**  
Elly Nurus Sakinah, Jauhar Firdaus .....
  10. **STABILITY OF RECOMBINANT HUMAN INTERFERON ALPHA-2B IN *Pichia pastoris***  
Syubbanul Wathon, Sri Budiarti, Ratih Asmana Ningrum.
  11. **THE EFFECTIVENESS OF *Syzygiumsamarangense* LEAVES ON HEALING PROCESS OF BURNS BASED ON COLLAGEN**  
Ain Yuanita Insani, Mega Citra Prameswari, Novail Alif Muharrom, Toyibatul Hidayati, Arista Prima Nugrahani..
  12. **THE EFFECT OF ENCAPSULATION MATERIAL ON THE QUALITY OF PROBIOTIC CONTAINING *Lactobacillus fermentum***  
U Kalsum, MF Wadjdi, and DS Damayanti .....
  13. **MAMMARY GLAND HISTOLOGY OF SWISS WEBSTER OVARECTOMIZED MICE (*Mus musculus* L) AFTER SOY TEMPEH FLOUR EXTRACT EXPOSURE**  
Mahriani, Riza Oktaviana, Eva Tyas Utami .....

**Venue: ROOM ARGOPURO 2**

15.10-17.00

**Parallel Oral Session. BIODIVERSITY**

Chairperson: Retno Wimbaningrum and Trina Tallei

1. ***Annona muricata* Linn. LEAF EXTRACT AS - AMYLASE AND -GLUKOSIDASE INHIBITOR**  
Siswa Setyahadi, Eko Mugiyanto and Partomuan Simanjuntak .....
2. **ANTIBACTERIAL OF *Averrhoa carambola* L. AGAINST Methicillin Resistant *Staphylococcus aureus* (MRSA)**

- Yunita, Risa Nursanty .....
3. **STUDY OF ENTOMOPHATOGENIC FUNGUS TO CONTROL VECTOR INSCETOF CITRUS TRISTEZA VIRUS (CTV) ON CITRUS**  
Mutia Erti Dwiastuti, Loekas Soesanto, Otto Endarto, Susi Wuryantini .....
  4. **MUNG BEAN SPROUTS FLOUR (*Vigna radiate L.*) AND CORNSPROUTS FLOUR (*Zea mayz*) AS MODIFICATION OF FORMULA WHO 75 FOR MALNUTRITION CHILD WITH LACTOSEINTOLERANCE**  
Nita Maria Rosiana, Arisanty Nur Setia Restuti, Desy Hairul Alfikri .....
  5. **BIODIVERSITY LOSS IN LAKE TOBA ECOSYSTEM**  
Erika Pardede.....
  6. **THE USE OF MARINE FUNGI IN CARRAGEENAN EXTRACTION**  
Kustiariyah Tarman, Ardilla de Irma, Rina Mardiana, Ella Salamah .....
  7. **THE EFFECT OF REFUGIA BLOCK ON THE ARTHROPOD DIVERSITY IN PADDY FIELDS IN MALANG, EAST JAVA**  
Amin Setyo Leksono and Jati Batoro .....
  8. **DETERMINATION OF ADEQUATE NUTRIENT FOR INFANT USING NEURAL NETWORK PERCEPTION ALGORITHM**  
Onny Setyawati, M. Rif'an, P. Branjangan, R.A. Setyawan, N. Sulistiyanto .....
  9. **FLOWER CHARACTERISTICS ASSOCIATED WITH INSECT ABUNDANCE IN *Santalum album* Linn. TREE**  
Ananto Triyogo, Yeni Widyana NR, Arina Damayanti.....

**Venue: ROOM PAPUMA**

15.10-17.00 **Parallel Oral Session. BIODIVERSITY**

Chairperson: Eva Tyas Utami & Yunus Effendi

1. **COUNTING METHODS OF OPHIUROIDEA AT SOLID ROCK SUBSTRATES TIDAL ZONE AT BATULAWANG AND PANCUR BEACH, ALAS PURWO NATIONAL PARK**  
Fike N , Hidayat Teguh W., RendySetiawan .....
2. **SALIVARY GLAND'S PROTEIN PROFILES OF DOMINANT VECTORS FOR MALARIA IN BANGSRING VILLAGE, WATUDODOL DISTRICT, BANYUWANGI – INDONESIA**  
Hasa Bella, Suci Ummi Roziqotul, Hidayat Teguh Wiyono, Syubbanul Wathon, Rike Oktarianti, Kartika Senjarini .....
3. **CHARACTERISTICS OF SALTED CATFISH**

**(*Pangasius hypophthalmus*) WITH SALT  
CONCENTRATION VARIATIONS AND TIME OF  
FERMENTATION**

Merkuria Karyantina, Yustina Wuri Wulandari and Fitri  
Kharismawati .....

4. **DIVERSITY OF MALARIA'S VECTOR  
*Anophelesspp.* IN CAMPUREJO VILLAGE, BOJA  
DISTRICT, KENDAL REGENCY, CENTRAL JAVA  
PROVINCE**

Kurniawati Diah Pusparini, Hidayat Teguh Wiyono,  
Syubhanul Wathon, Rike Oktariantiand Kartika Senjarini  
.....

5. **MOLECULAR PHYLOGENETIC ANALYSIS OF  
*Drosophilamelanogaster*Meigen BASED ON ITS2 DNA  
MARKER**

Rike Oktarianti, Amatullah Sholihah, Husnul Hotimah,  
Dewi Masruroh, Purwatiningsih, Kartika Senjarini.....

6. **COMPARISON OF HYDRO DISTILLATION  
PROCESS BY STEAM EXPLOSION PRE-  
TREATMENT WITH THE TRADITIONAL HYDRO  
DISTILLATION METHOD IN EXTRACTION OF  
KAFFIR LIME OIL**

Y.W. Wulandari, P. Darmadji, Supriyadi, A.  
Chairil.....

7. **OPTIMAZATION OF RAPD-PCR CONDITION FOR  
GENOTYPIC IDENTIFICATION OF LACTIC ACID  
BACTERIA ISOLATED FROM BEKASAM**

Agus Wijaya, Philip Wiedemann, Andreas Lux, and  
Basuni Hamzah .....

8. **EPIPHYTIC FERNS AS BIO INDICATORS FOR  
FOREST COVER RECOVERY IN MERU BETIRI  
NATIONAL PARK**

Fuad Bahrul Ulum .....

9. **THE ECOVAL OF TREE BIOMASS AT TROPICAL  
EVERGREEN AGLAIA-STREBLUS FOREST OF  
MERU BETIRI NATIONAL PARK, EAST JAVA,  
INDONESIA**

Hari Sulistiyowati, Inocencio Buot Jr., Damasa M.  
Macandog, Rachel C. Sotto, Nestor T. Baguinon .....

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