

# CERTIFICATE



## 1st ICMMA-SURRE 2018

### 1st International Conference on Multidisciplinary Approaches for Sustainable Rural Development

LPPM Unsoed, Java Heritage Hotel, Purwokerto, Central Java, INDONESIA  
November, 14-15, 2018

SUSI

PRESENTER



Prof. Dr. Ir. Suwanto, M.S.

Rector of Unsoed



Prof. Dr. Rifda Naufalin, S.P., M.Si.

Head of LPPM Unsoed

Amin Fatoni, S.Si., M.Si., Ph.D.

Chairman

# ICMA-SURE

1ST INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY  
APPROACHES FOR SUSTAINABLE RURAL DEVELOPMENT



## MULTIDISCIPLINARY RESEARCH FOR RURAL INNOVATION

PURWOKERTO  
14-15 NOVEMBER 2018

LEMBAGA PENELITIAN DAN PENGABDIAN KEPADA MASYARAKAT  
UNIVERSITAS JENDERAL SOEDIRMAN

## Program

First Day	Wednesday, 14 <sup>th</sup> November 2018
08.00 - 08.30	Registration
08.30 – 09.00	Opening Ceremony: National Anthem “Indonesia Raya” Traditional Dance Welcoming Speech by Committee Chair (Dr. Amin Fatoni) Welcoming Speech by Chair of LPPM (Prof. Dr. Rifda Naufalin) Opening Speech by Rector of Unsoed (Prof. Dr. Suwanto)
09.00 – 09.15	Special Award for Lecturers
09.15 – 10.00	Keynote Speech: Assoc. Prof. Dr. Minako Sakai (University of New South Wales, Australia)
10.00 – 10.15	Coffee/Tea Break
10.15 – 11.00	Keynote Speech: Prof. Dr. Hitoshi Habe (Kindai University, Japan)
11.00 – 12.30	Plenary Session 1: Prof. Dr. Mohd. Marsin Sanagi (Universiti Teknologi Malaysia) Prof. Dr. Rifda Naufalin (Jenderal Soedirman University) Dr. Yusril Yusuf (Gadjah Mada University) Dr. Mulyoto Pangestu (Monash University)
12.30 – 13.15	Lunch
13.15 – 15.15	Parallel Session 1
15.15 – 15.30	Coffee/Tea Break
15.30 – 17.30	Parallel Session 2
19.00 – 21.00	Official Dinner
Second Day	Thursday, 15 <sup>th</sup> November 2018
07.30 – 08.00	Registration
08.00 – 10.00	Parallel Session 3
10.00 – 10.15	Coffee/Tea Break
10.15 – 11.00	Keynote Speech: Dr. Jesus C. Fernandez (SEAMEO Biotrop)
11.00 – 11.45	Keynote Speech:

First Day	Wednesday, 14 <sup>th</sup> November 2018
	Dr. Nguyễn Hữu Thọ (Thai Nguyen University, Vietnam)
11.45 – 12.30	Lunch
12.30 – 14.00	Plenary Session 2: Prof. Dr. Arief Anshory Yusuf (Padjajaran University) Dr. Najib Kailani (Sunan Kalijaga State Islamic University) Dr. M. Falikul Isbah (Gadjah Mada University)
14.00 – 14.45	Keynote Speech: Prof. Dr. Choi Jae Suk (Silla University, South Korea)
14.45 – 15.00	Coffee/Tea Break
15.00 – 17.00	Parallel Session 4
17.00 – 17.15	Closing Ceremony and Award Announcement

## PARALLEL SESSION

DAY 1, NOVEMBER 14, 2018

### PARALLEL SESSION 1 (13.15 – 15.15)

#### Group 1

Chair : Dr.Eng. Retno Supriyanti, ST, MT

1	DevOps Approach Embraces Forward and Reverse Engineering <i>Acep Taryana; Eko Murdyantoro; Ari Fadli; Siti Rahmah Nurshiami</i>
2	Designing Core Layer in Campus Network Using Software-Defined Networking <i>Iwan Setiawan, Azis Wisnu Widhi Nugraha, Sauqi, Asrorul Zaza</i>
3	Optimization of Photovoltaic DC Microgrid Systems for Residential Installations <i>Winasis (a*), Hari Prasetijo (b)</i>
4	FIBRE OPTIC AS EMBEDDED SENSORS TO FAILURE DETECTION OF BEAM GREEN CONCRETE <i>Farida Asriani (a), Gandjar Pamudji (b) HestiSusilawati (a), Dwi Meilana Tias Saputra (a)</i>
5	Leakage Current of Photovoltaic System in Transformerless Grid-Connected H-bridge Inverter with PI Current Controller <i>Suroso, Winasis, and Daru Tri Nugroho</i>
6	Stepper Motor Control with DRV 8825 Based on Square Wave Signal of The AVR Microcontroller Timer <i>Arief Wisnu Wardhana B.Eng (Hons)., M.Eng , Daru Tri Nugroho, S.T., M.T</i>
7	A Review of Lora Technology and Its Potential Use for Rural Development in Indonesia <i>Eko Murdyantoro, Azis Wisnu Widhi Nugraha, Arief Wisnu Wardhana, Ari Fadli, Mulki Indana Zulfa</i>
8	Classification Model for Graduation on Time Study Using Data Mining Techniques with SVM Algorithm <i>Ari Fadli, Mulki Indana Zulfa*, Yogi Ramadhani</i>
9	Intelligent Air Conditioner Ecosystem Based on Internet of Things <i>Azis Wisnu Widhi Nugraha (a*), Acep Taryana(a), Bayu Eko Saputro(a), Prayogo Ismu Abdillah(a)</i>
10	Potential for Availability of High Quality Paddy Seeds Supporting Rice Production / Productivity in West Java <i>Dian Firdaus (a*) and Ronnie Susman Natawidjaja (b)</i>

#### Group 2

Chair : Dr. Lutfi Makhasin

1	The Revitalization Model Through The Implementation Of Integrated Information System For Village Unit Cooperative In Banyumas <i>Eko Suyono and Oman Rusmana</i>
2	Village Official Website And Inclusive Communication Approach To Empowerment Of Marginal Villagers In Susukan Banyumas Central Java <i>Nuryanti, Subejo, Roso Witjaksono, Mochammad Fathoni</i>

3	Empowerment Of Karang Taruna As An Effort To Sustainability Of Rural Economic Growth In Madura Island RM. Moch. Wispandono
4	Model Of Inter Village Cooperation In Development Of Village Potentials To Support To Tourism In Baturraden District Kadar Pamuji, Riris Ardhanariswari, Abdul Aziz Ns, Supriyanto
5	The Role Of Stakeholders In The Accountability Of Village Enterprise Management: A Public Governance Approach Denok Kurniasih, Paulus Israwan Setyoko, M. Imron, Shadu S. Wijaya
7	Digital Marketing As A Catalyze Of Village-Owned Enterprise Revenue In Banyumas Agus Suroso, Amber Lumbantoruan, Mafudi, Ascaryan Rafinda
8	Fostering Trust As A Catalyst For The Sustainable Village Owned Enterprise Kiky Srirejeki, Agus Faturohman, Saras Supeno
9	Enhancing Group Entrepreneurial Quality Of Archaic Batik Design Agung Praptapa, Wiwiek Rabiatal Adawiyah, Istiqomah
10	Strategy To Develop Batik Tourism Village Istiqomah, Wiwiek Rabiatal Adawiyah, Agung Praptapa

### Group 3

Chair : Dr. Haryadi

1	Factors Determining The Farmers Decision To Develop Their Beef Cattle Farming In The Southern Coastal Areas Of Central Java Mochamad Sugiarto, Syarifuddin Nur, and Oentoeng Edy Djatmiko
2	The Effect Of Dynamic Relationship Between Domestic Market And World Market On Stock Returns Volatility Najmudin, Dian Purnomo Jati, Sulistyandari, Retno Kurniasih
3	Bendi Traditional Transport Equipment As A Supporter Of Regional Economy Through Tourism And Culture Activities Elfrida Ratnawati Gultom
4	Behaviour Of Fishermens Implementing The Law In The Nature Conservation Rini Fidiyani, Erni Wulandari
5	Social And Legal Impact Of Different Determination Of Paddy Land Area In Indonesia Sri Wahyu Handayani
6	Co-Supply Chain As Local Entrepreneurial Support Model For Small Businesses: Is It Viable? Wiwiek Rabiatal Adawiyah, Istiqomah
7	The Impact Of Public Service Motivation On Individual Performance Adi Indrayanto, Ade Irma Anggraeni, Tiladela Luhita
8	Local Government Responsiveness In Preventing And Handling Divorce Phenomena (Study In Cilacap Regency) Dyah Retna Puspita, Rin Rostikawati , Pawrtha Dharma
9	Management Capacity Of Educational Office In The Provision Of Basic Education Services (Studi In Banyumas In Banyumas Regency) Muslih Faozanudin, Lilis Sri Sulistiani
10	Bridging The Legal Gap Between Open Selection And Internal Selection Of State Civil Apparatus Promotion In Indonesia Tedi Sudrajat, Siti Kunarti, Sri Hartini

**Group 4****Chair : Dr. Norman Arie Prayoga**

1	PHYSICAL STIMULATION FOR HYPERBILIRUBINEMIA Eni Rahmawati; Puji Lestari; Dian Susmarini; Agustina Desy P. B. Utami
2	ADOLESCENT DELINQUENCY Elsava Tamara Putri Murwanda, Wahyu Ekowati, Eni Rahmawati
3	Knowledge and Perception on Outdoor Spatial Spraying Againsts Dengue : A Household Survey in Endemic Area, Central Java, Indonesia Siwi Pramata Mars Wijayanti , Devi Octaviana, Arnika Dwi Asti
4	Consumer motivation to participate in the one day no rice policy Poppy Arsil , Kusmanto Eddy Sularso, Altri Mulyani
5	Prevalence and Predictors of Maternal Anemia during Pregnancy in Banyumas District Mekar Dwi Anggraeni, Amin Fatoni, Rahmi Setyani
6	Communication Challenges with Older Adults Patients during Clinical Learning: A Qualitative Study among Student Nurse Rahmi Setyani, Made Sumarwati, Asep Iskandar, Ima Rismawati
7	Knowledge of Nutrition and Macronutrients Consumption as Factors Causing Wasting in School Children and Effective Nutrition Education to Improve It Dyah Umiyarni Purnamasari, Endo Dardjito
8	Mentzer Index Diagnostic Value in Predicting Thalassemia Diagnosis Wahyu Siswandari, Lantip Rujito, Vitasari Indriani, Wahyu Djatmiko
9	The Influence of the Combination of Listening to the Al Quran and Acupressure to the Physiological Response of Stresses of Hypertension Iwan Purnawan, Eman Sutrisna , Ikit Netra Wirakhmi
10	Organoleptic Characteristics of Bali Beef Meatballs Based on Collagen Concentration in UKKMB and Time of Maturation Effendi Abustam, Muhammad Irfan Said, and Muhammad Yusuf

**Group 5****Chair : Dr. Amron**

1	EFFECT OF IRON SUPPLEMENTATION TO ZINC SERUM Hesti Permata Sari, Ibnu Zaki, Farida, Afina Rachma Sulistyaning
2	Physicochemical Characteristics of Sweet Potato ( <i>Ipomoea batatas</i> L.) Chips Pre-treated by Commercial and Eggshell Extracted Calcium Chloride David Tjandra, Thomas Indarto Putut Suseno, Ignasius Radix AP Jati
3	WELFARE AND HEMATOLOGIC CONDITION OF DUCKS UNDER INTENSIVE AND EXTENSIVE SYSTEMS OF PRODUCTION Imam Suswoyo and Rosidi
4	Family Roles on Supporting Patient with Terminal Illness : Lesson Learned from Banyumas Region Central Java Diyah Woro Dwi Lestari, Miko Ferine
5	Red Pitaya Pulp and Its Peel as a Lowering Agent of Blood Glucose Level for Patients with Diabetes Type 2 Sasi Gendro Sari, Siti Aminah, Susi, Rusmiati

6	DIGESTIBILITY IN VITRO OF STARCH AND PROTEIN ON ANALOG RICE BY FORMULATION OF NAGARA BEAN FLOUR MODIFIED L. plantarum AND SAGO STARCH WITH CONCENTRATION OF GLYCEROL MONOSTEARATE Susi Susi, Lya Agustina and Condro Wibowo
7	PRELIMINARY STUDY OF REHYDRATION CHARACTERISTICS AND COOKING TIME OF ANALOG RICE BY FORMULATION OF NAGARA BEAN FLOUR MODIFIED L. plantarum AND SAGO STARCH Susi Susi, Lya Agustina and Condro Wibowo
8	The Efficiency of Paddy Production Factors on Farm Land Consolidation In Sukoharjo Regency Titik Ekowati, Edy Prasetyo, Mukson
9	Low Frequency of electrical stimulation improve wound healing in acute wound Yunita sari, Atyanti Isworo, Arif Setyo Upoyo, Akhyarul Anam, Hartono, Eman Sutrisna
10	Effects of sucrose concentrations and scion sources on shoot tip grafting in vitro of Citrus aurantifolia Prita Sari Dewi, Fatichin, Octaviani Auditia, dan Aniq Sholihatul Lutfiyah

## PARALLEL SESSION 2 (15.30 -17. 30)

### Group 1

Chair : Dr.Eng. Suroso,ST, MT

1	ANALYSIS OF QUANTITATIVE RELATIONSHIPS OF ANIONIC SURFACTANT STRUCTURES OF SULFATE GROUP BASED ON LARGE AB INITIO CALCULATIONS <i>Eva Vaulina Y. D.</i>
2	THE EFFECT OF COMPACTION METHOD ON COMPRESSIVE STRENGTH OF SELF COMPACTING CONCRETE (SCC) IN LABORATORY <i>Agus Maryoto</i>
3	New paradigm to understanding turbidite sediment in Banyumas Basin <i>Eko Bayu Purwasatriya (a*), Sugeng Sapto Surjono (b), D.Hendra Amijaya (b)</i>
4	RESISTIVITY AND INDUCED POLARIZED (IP) APPROACH FOR POLYMETALLIC VEIN DISTRIBUTIONS OF BUKIT PONDOK MINERALIZATION (EX-VOC MINING IN 1902), TANAH TIDUNG, EAST KALIMANTAN <i>Fadlin(*a), Wildan Nur Hamzah (b), Eko Bayu Purwasatriya (c) Arifudin Idrus (d) Nita Ariyanti (e) Sekar Ramadhani (f)</i>
5	Ontology Model for Tourism Information in Banyumas <i>Lasmedi Afuan, Nurul Hidayat</i>
6	Measuring Usability Scale and Factors That Influence the Implementation of Internship Information System in Engineering Faculty of Jenderal Soedirman University <i>Swahesti Puspita Rahayu(*), Bangun Wijayanto(*), Dadang Iskandar(*)</i>
7	An Exploration Study : Spiritual belief, Spiritual need, and Spiritual care <i>Henie Kurniawati, Sofia Retnowati, Bagus Riyono, Widyawati</i>
8	Road Safety Audit at Black Spot Area (Case study in Tlahab Lor, Karangreja, Purbalingga) <i>Gito Sugiyanto (a*), Rizki Suciningtyas (a), Eva Wahyu Indriyati (a), Ari Fadli (b)</i>
9	Cattle feed concentrate automatization system based on internet of things <i>Bangun Wijayanto, S.T., M.Cs (*a), Swahesti Puspita Rahayu, S.Kom.,M.T. (b), Dadang Iskandar, S.T., M.Eng.(c)</i>



10	Investigation of Tsunami Hydrodynamic Loads Acting on a Slab Bridge <i>Hartana</i>
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### Group 2

Chair : **Dr. Wiwiek Rabiatal Adawiyah**

1	The Impact Of Land Conflict On Darmakradenan Toward Social, Economic, And Politic Vulnerability In The Life Of Farmers Community Waluyo Handoko
2	Structural Violence Of Agrarian Conflict Settlement In Lampung Agus Raharjo, Yusuf Saefudin, Luthfi Kalbuadi
3	Violence Spiral And Social Conflict Settlement In The Perspective Of Law Agus Raharjo, Luthfi Kalbuadi, Yusuf Saefudin
4	Legal Protection Of Children As An Object And Subject (Accessors) Of Pornographical Websites Agus Raharjo
5	The Power Of Mediators Suggestion In Pancasila Industrial Relation Dispute Settled Outside The Court Siti Kunarti, Kartono, Sri Hartini
6	The Role Of Religious Leaders In Maintaining Social Sustainability In Rural Communities Najmu Tsaqib Akhda, F. Trisakti Haryadi, Siti Andarwati
7	Psychological Dynamics Of Terrorists Rindha Widyaningsih, Kuntarto
8	Local Wisdom Approach To Develop Counter-Radicalization Strategy Rindha Widyaningsih, Kuntarto
9	Methods Of Strengthening Social Marketing Communication In Preventive Actions Against Radicalism In Al Ikhsan Islamic Boarding School Muhammad Sulthan
10	Revisiting Indonesian Multiculturalism At The Local Level: Migrant Muslim Community And Customary Village In Contemporary Balinese Society Bowo Sugiarto

### Group 3

Chair : **Dr. Tedy Sudrajat, SH, MH**

1	Challenges Of Political Parties In Banten To Meet 30% Gender Quota In The 2019 General Election Abdul Hamid, Anis Fuad
2	Gender Mainstreaming Through Woman Political Participation At Representative Counsel, Banten Province Ika Arinia Indriyany, M. Dian Hikmawan, M. Rizky Godjali
3	Kyai On The Political Stucturation In Pandeglang-Banten M Dian Hikmawan, Ika Arinia Indriyany, M. Rizky Godjali, Wahyu Kartiko Utami
4	Job Expansion And Job Satisfaction M Dian Hikmawan, Ika Arinia Indriyany, M. Rizky Godjali, Wahyu Kartiko Utami
5	Job Expansion And Job Satisfaction Iriani Ismail, Raudhatul Jannah

6	Hazard Identification At Hospital In Indonesia Nur Ulfah, Arwita Mulyawati, Irfan Dwi Andhono
7	The Study Of The Concept Of “Blakasuta’ As The Symbolic Capital Of Banyumas Societyfor Managing Diversity In Handling “Kampung Sri Rahayu” Slum Settlement S Bekti Istiyanto, Wiwik Novianti
8	An Exploration Study : Spiritual Belief, Spiritual Need, And Spiritual Care Henie Kurniawati, Sofia Retnowati, Bagus Riyono, Widyawati
9	Improving Societal Welfare Through Developing Creative Literation-Based Industries In Wadas Kelir Naqiyah

#### Group 4

Chair : Dr.Juni Sumarmono

1	GROWTH CHARACTERS OF UPLAND RICE AND PEST ATTACK LEVEL OF RICE EAR BAG (Leptocorisa acuta) WITH APPLICATION OF LEMON GRASS EXTRACT AND FERTILIZER OF N,P, K Yugi R. Ahadiyat, Rostaman, Okti Herliana, Ida Widiyawati
2	THE EFFECT OF SIKKOMODO (COMBINATION OF MUSIC, HUMOR, AND PRAYER) FORMULATION TOWARD BLOOD PRESSURE OF HYPERTENSION PATIENT ON THE ELDERLY GROUP IN BANYUMAS REGENCY Sidik Awaludin, Annas Sumeru, Galih Noor Alivian, Dwi Novitasari
3	FACTORS RELATED TO SPUTUM CONVERSION OF PATIENTS PULMONARY TUBERCULOSIS IN THE LAST PHASE OF INTENSIVE MEDICATION Atyanti Isworo, Akhyarul Anam, Agis Taufik, Annas Sumeru, Naula Affa, Aliyatul Aeni
4	Dates Seeds as Antidiabetic Drinking Coffee: A Systematic Review Saryono
5	Validation Method for The Direct Determination of Beta Carotene In High Carotene-Modified Cassava Flour by HPLC with Multi Wavelength Detection Andreas, Dian Muzdalifah, Hendris H. Kurniawan, Oman Zuas, Yosi Aristiawan, Osi Arutanti
6	CHARACTERISTIC OF PREGNANT WOMEN WHO ARE EXPERIENCING NAUSEA VOMITING IN RURAL AREAS OF BANYUMAS REGENCY Lutfatul Latifah, Aprilia Kartikasari, Nina Setiawati (a), Eli Kusmiarti (a)
7	The amount of food consumed in baby-led and traditional weaning Dian Susmarini, Eni Rahmawati, Made Sumarwati, Atyanti Isworo, Dian Anandari, Lutfatul Latifah
8	Formulation Of Flake Made From Mocaf Black Rice and Tapioca High in Protein and Dietary Fiber By Soy and Jack Bean Flour Addition Friska Citra Agustia, Sabila Rosyidah, Yovita Puri Subardjo, Gumintang Ratna Ramadhan, Dika Betaditya

#### Group 5

Chair : Dr.Fatichin

1	THE EFFECTS OF PURWOCENG ROOTS ETHANOL EXTRACT ADMINISTRATION TO MALE WHITE RATS (Rattus norvegicus) EXPOSED BY PARADOXICAL SLEEP DEPRIVATION Fitranto Arjadi, Wahyu Siswandari, Yudhi Wibowo, Diah Krisnansari, Alfi Muntafiah
2	DETERMINANT of HEALTH PROMOTING LIFE STYLE NURSING STUDENT of JENDERAL SOEDIRMAN UNIVERSITY

	Eva Rahayu, Rahmi Setiyani, Made Sumarwati
3	THE EFFECT OF PLANT GROWTH PROMOTION RHIZOBACTERIA INOCULATION TO AGRONOMIC TRAITS OF AROMATIC RICE ( <i>Oryza sativa</i> cv. Sintanur) Purwanto, T. Agustono, Mujiono, B.R.Widjonarko, T. Widiatmoko
4	Bioprospecting of red seaweed <i>Kappaphycus alvarezii</i> (cottonii) based on Their Neurotogenic Activities Maria Dyah Nur Meinita, Gabriel Tirtawijaya, Il So Moon, Yong-Ki Hong, Norman Arie Prayogo
5	Spatial Distribution of Seaweed in Sayang Heulang Beach, West Java Maria Dyah Nur Meinita, Nurul Riyanti, Bintang Marhaeni, Setijanto, Dicky Harwanto
6	Dynamics of soil physical and chemical properties within horizontal ridges-organic fertilizer applied potato land Krissandi Wijaya, Purwoko Hari Kuncoro, Poppy Arsil
7	Factors influencing supply chain management practices in brown sugar agro-industry Dindy Darmawati Putri, Dwidjono Hadi Darwanto, Slamet Hartono, Lestari Rahayu Waluyati
8	MATERNAL SERUM MATRIX METALLOPROTEINASE 14 (MMP14) IN EARLY ONSET PREECLAMPSIA AND NORMAL PREGNANCY Herman Sumawan , Sutrisno

**DAY 2, November 15, 2018**

**PARALLEL SESSION 3 (08.00 – 10.00)**

**GROUP 1**

**Chair : Dr.Yunita Sari**

1	Prevalence of Acute Otitis Media in Primary School Children, Karanglewas Banyumas Regency Daniel Joko Wahyono, Yudhi Wibowo, Aris Mumpuni, Diah Krisnansari, Dwi Utami Anjarwati, Anton Budhi Darmawan, Gita Nawangtantri, Nendyah, Dwi Arini, Dian Kristiantoro, Hendro Pramono, Meyta Pratiwi, Devi Octaviana, Dwi Sarwani Sri Rejeki, Dodi Safari, Korrie Salsabila, Siwi Pramata Mars Wijayanti
2	Mosquito Indices in Outdoor Spatial Spraying Treated Area, Banyumas Regency, Indonesia Siwi Pramata Mars Wijayanti, Devi Octaviana, Sri Nurlaela
3	CARCASS PRODUCTION CHARACTERISTIC AND SINGLE NUCLEOTIDE POLYMORPHISM ADIPOCYTE FATTY ACID BINDING PROTEIN (A-FABP) GENE ON CAIRINA MOSCHATA Ismoyowati Ismoyowati, Elly Tugiyanti
4	THE EFFECT OF COGNITIVE BEHAVIOR THERAPY TO STUDENTS ACADEMIC ACHIEVEMENTS OF NURSING DEPARTMENT OF JENDERAL SOEDIRMAN UNIVERSITY Keksi Girindra Swasti, Wahyu Ekowati, Eva Rahayu
5	THE EFFECT OF POTATO ( <i>Solanum tuberosum</i> L.) SKIN EXTRACT ON ALKALINE PHOSPHATASE LEVEL IN PERIODONTITIS Christiana Cahyani Prihastuti, Wulan Ratnasari, Hernayanti
6	FTIR AND SPECTROPHOTOMETRIC ANALYSIS OF BIODEGRADATION OF INDIGOSOL BLUE DYE IN SUBMERGED FERMENTATION BY <i>Aspergillus</i> sp. <i>Penicillium</i> sp. AND <i>Trichoderma</i> sp. Ratna Stia Dewi, Rina Sri Kasiamdari, Erni Martani, Yekti Asih Purwestri
7	A MODIFIED METHOD TO MANUFACTURE CONCENTRATED YOGURT FROM FRESH COWS MILK YOGURT Juni Sumarmono, Triana Setyawardani, Agustinus Hantoro Djoko Rahardjo

8	Formula Optimization and Characterization of Jam based on Carica Fruit ( <i>Carica pubescens</i> , L) Santi Dwi Astuti, Erminawati
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## Group 2

Chair : Dr.Romanus Edy

1	The Power of Weibull and Exponential Distributions On Testing Parameters Shape B. Pratikno, Jajang , S.Y. Layyinah, G.M. Pratidina, and Y. D. Suryaningtiyas
2	The Addition of Liquid Sap Preservatives Made from Lime, Mangosteen peel, and Jackfruit wood on Quality Characteristics of Coconut Sugar Karseno, Tri Yanto
3	Investigation of Hydrolysis Using Cellulase Enzyme Produced From Cow Rumen And Fermentation Method for Producing Ethanol from Nypa ( <i>Nypa fruticans</i> Wurmb) Midrib Wiludjeng Trisasiwi, Agus Margiwiyatno, Gunawan Wijonarko
4	The physical recovery models based on fluid manipulation on the body reversibility process in sub-maximum physical exercise. Moh. Nanang Himawan Kusuma, Didik Rilastiyo, Rohman Hodayat, Topo Suhartoyo, Muh. Syafei
5	FEEDING MOCAF BISCUITS ENRICHED WITH IRON AND PROTEIN FROM TEMPEH AND FISH ON HEMOGLOBIN LEVEL OF ANEMIC SPRAGUE DAWLEY RATS Hidayah Dwiyanti, Retno Setyawati, Nur Aini
6	Isolation and characterization of bioactive components of lemongrass ( <i>Cymbopogon citratus</i> ) Erminawati, Rifda Naufalin, Ike Sitoresmi, Wuryatmo Sidik and Nandarose Rucki
7	Importance-Performance Analysis and Customer Satisfaction Index on Laboratory Services in the Faculty Mathematics and Natural Sciences, University of Jenderal Soedirman Wuryatmo Akhmad Sidik, Sunardi and Supriyanto
8	Application of Concentrates Flower Kecombrang on Edible Coating as Antioxidant to Suppress the Oxidative Damage on Gourami Sausage During Storage Rifda Naufalin, Rumpoko Wicaksono, Erminawati, Poppy Arsil and Kris Imanias Trikasihputri Gulo
9	A review on optimization of lactic acid bacteria for production goat milk yogurt Ibrahim A, Rifda Naufalin, Erminawati, Hidayah Dwiyanti

## Group 3

Chair : Dr.Uyi Sulaiman

1	STUDY GRADIENT AND MOISTURE OF SAND EMBANKMENT ON PEAT SUBJECTED VIBRATION POTENTIAL OF LIQUEFACTION <i>Soewignjo Agus Nugroho a*) Agus Ika Putra b), Muhamad Yusa c), and Syawal Satibi d)</i>
2	THE EFFECT OF COMPACTION METHOD ON COMPRESSIVE STRENGTH OF SELF COMPACTING CONCRETE (SCC) IN LABORATORY <i>Agus Maryoto</i>
3	PETROLOGY AND TRACE ELEMENT STUDY OF IGNEOUS ROCK IN AYAH, KARANGBOLONG DOME, CENTRAL JAVA <i>Fadlin(a*), Gentur Waluyo(b), Sekar Ramadhani R(c), Wildan Nur H(d), Arifudin Idrus(e)</i>
4	SLIP SURFACE IDENTIFICATION BASED ON ANALYTICAL ENGINEERING PROPERTIES IN THE WEATHERING OF BRECCIA AT MOUNT PAWINIHAN LANDSLIDE, CENTRAL JAVA, INDONESIA

	<i>Indra Permanajati 1-2, Zufaldi Zakaria2, Mohamad Sapari Dwi Hadian2, Herryal Zoelkarnaen Anwar3, Rachmad Setijadi1</i>
5	Gravity Anomalies And Regional Geological Studies Between Slamet Volcano, Buaran and Bantarkawung Areas For Geothermal Energy Exploration and Development <i>Sachrul Iswahyudi (a), Sukmaji Anom Raharjo (b), Indra Permanajati (a), Rachmad Setijadi (a), Riza Aditya Pratama (a), Baniarga Prabowo (a)</i>
6	FIRE SAFETY ASSURANCE ON BUILDING <i>Yusuf Latief (a), Manlian Ronald Simanjuntak (b), Paulus Setyo Nugroho (c)</i>
7	Edible coating application with kecombrang concentrate addition to holding the quality of gouramy fish fillet during storage Rifda Naufalin, Rumpoko Wicaksono, Retno Supriyanti, dan Eva Triyulianingrum
8	The antioxidant activity stability and acceptability of pasteurized milk added with mulberry leaf tea and soymilk powder Jintana Sangsopha, Anuchita Moongngarm, and Nutjaree Pratheepawanit Johns

#### Group 4

Chair : Dr. Wahyu Tri Cahyanto

1	Putting People In The Proper Position On Policy Process In Rural Area: A Deliberation And Empowerment Process In Village Level Of Indonesia Sukarso, Swastha Dharma, Niken Paramarti Dasuki
2	Analysis Of Financial Performance Factors And Its Impact On Growth Profit (Study On The Food And Beverage Industry Registered In Indonesia Stock Exchange) Chairul Anam
3	Agriculture Sector Analysis In Central Java Muliasari Pinilih
4	How To Improve The Competitiveness Of Palm Sugar? The Role Of Technical Innovation Suliyanto, Weni Novandari, Suwaryo
5	Design Of Strengthening Local Institutions That Support The Development Of Marketing Of Processed Products Of Mix Farming Imam Santosa, Agus Suyanto
6	Design Of Technology Valuation System: Case Study Of High Productivity Upland Rice In Central Java, Indonesia Budi Dharmawan, Akhmad Rizqul Karim, Ulfah Nurdiani
7	Media Violation, Foul And Refereeing Are Movement As A Source Learning To Students Of Pjkr On Basketball Education Ayu Rizky Febriani, Rohman Hidayat, Topo Suhartoyo
8	Basic Teaching Skills For The Candidates Of Professional Teachers Mustasyfa Thabib Kariadi, M. Riyanton

#### Group 5

Chair : Dr. Latjip Rudjito

1	The Experience Of Disabled Person In Accessing The Public Facilities In Universities Isplanacius, Tri Lisiani Prihatinah, Nur Wakhid
2	Lecturer Perception Of Public Information Management Practices In Higher Education Wisnu Widjanarko, Tri Nugroho Adi

3	Sport Development Index Of Banyumas Regency Ngadiman, Indra Jati Kusuma, Kusnandar, Panuwun Joko
4	M-Payment As A Strategy To Increase Financial Literacy In Islamic Boarding School Cooperatives Bambang Agus Pramuka, Poppy Dian I Kusuma, Sugiarto
5	The Digital Literacy Movement Of Former Migrant Workers Wiwik Novianti, S.Bekti Istiyanto
6	Smartphone: A Tool Of Social And Political Empowerment For Women Mite Setiansah
7	Eating And Performance : Contemporary Community Lifestyle Yusida Lusiana, P.M. Laksono, Tatang Hariri
8	Developing Cooperative Law Culture At Bmt (Baitul Maal Wa Tamwil) To Remove The Rente System In The Traditional Market Nita Triana dan Naqiyah

#### PARALLEL SESSION 4 (15.00 – 17.00)

##### GROUP 1

Chair : Dr.Nanang Martono

1	Initial Implementation Of Productive Migrant Village (PMV) Program In Banyumas Central Java Indonesia . Muslihudin, Tyas Retno Wulan, Tri Sugiarto, Sotyania Wardhianna, Sri Wijayanti
2	The Urgency Of Synchronization And Harmonization Of Law Regulations Post The Decision Of Constitutional Court In Judicial Review Riris Ardhanariswari, Muhammad Fauzan, Komari
3	Small Claims Court Philosophy In Applying Simple Judicial Principles Rahadi Wasi Bintoro, Dessi Perdani Yuris Puspita Sari
4	Consumer intention and behaviour towards fish consumption: A conceptual framework Poppy Arsil, Ardiansyah, Tri Yanto
5	Optimization and Validation of a Method for The Direct Determination of Cathecin In Gamboeng Tea Superior Clone by HPLC Dian Muzdalifah*, Andreas, Linar Zalarin Udin, Hendris H. Kurniawan, Sri Handayani, Euis Filaila
6	Isolation and Characterization of Buprofezin Tolerant Bacteria from Rhizosphere of Paddy at Marginal Land of Banyumas Regency Sapto Nugroho Hadi, Ida Widiyawati, Prita Sari Dewi, Kartini
7	Scanning SNPs of Diabetes Mellitus related genes; HNF4A, PTPN, KCNJ11, PPAR gamma; among Thalassemia Patients : a Preliminary Study Lantip Rujito, Frida Fauziah, Esa Fitriani Azizah, Qodri Santosa, Ariadne Tri Hapsari, Dwi Utami Anjarwati, Fitranto Arjadi
8	THE EVALUATION OF NUTRITION INFORMATION SYSTEM USING COMBINED METHOD OF UNIFIED THEORY OF ACCEPTANCE AND USAGE OF TECHNOLOGY (UTAUT) AND TASK TECHNOLOGY FIT (TTF) Siti Nurhayati, Dian Anandari, Wahyu Ekowati

**GROUP 2****Chair : Dr.Maria Dyah Nur Meinita**

1	ANTIBACTERIAL AND ANTIOXIDANT ACTIVITIES OF ETHANOL EXTRACTS OF COCOA PODS ((Theobroma cacao L.) SKIN WITH MALTODEXTRINE IN VARIOUS CONCENTRATION Asriani Hasanuddin ,Khairil Anwar ,Marhawati Mappatoba and Hafsa
2	Prolific root system and water conservation are contributive factors in slow wilting cultivar PI 416937 during drought stress Fatichin, Shao-Hui Zheng, and Susumu Arima
3	Formulation of spreadable cheese from corn milk using pineapple extract and papain Nur Aini Vincentius Prihananto, Budi Sustriawan, Tety Heryanti
4	The Protein Content and Protease Activity of local Green Fly, Chloroprocta sp., maggot crude extracts (a)Dwi Utami Anjarwati1, (b)Rizka Hidayati, (a)Dian Kristiantoro, (a)IDSAP Peramiarti, (c)*Ari Asnani3
5	Alloyed platinum with ruthenium and molybdenum for the coadsorption of hydrogen and hydroxyl Wahyu Tri Cahyanto1*, Endah Tri Listiowati1, Wahyu Widanarto1, Farzand Abdullatif1, Mukhtar Effendi1, Hideaki Kasai2
6	The Impact of Lowering Speed Limit on Mobility and the Environment Gito Sugiyanto (a*), Jajang (b), and Mina Yumei Santi (c)
7	DESIGN OF THE ALUMINIUM COMPENSATING FILTER TO IMPROVE THE IMAGE QUALITY IN LATERAL PROJECTION OF LUMBOSACRAL VERTEBRAE RADIOGRAPHY Mukhtar Effendi 1,2 , Ratna Umi Fatimah 1, Agus Sholeh 3, Wiwiek Fatchurohmah 4
8	DESCRIPTION OF THE HEALTH CADRES ABOUT EXCLUSIVE BREASTFEEDING PROMOTION AND IMPROVED KNOWLEDGE OF THE CADRES THROUGH TRAINING BASED ON THE CONCEPT OF "INSUFFICIENT MILK SUPPLY" IN BATURRADEN DISTRICT Aprilia Kartikasari*, Mekar Dwi Anggraeni*, Lutfatul Latifah*, Nina Setiawasti*

**GROUP 3****Chair : Dr.Budi Aji**

1	Utilization of preventive health check-ups among elderly people in rural Indonesia Budi Aji, Siti Masfiah, Dian Anandari, Siwi Pramata Mars Wijayanti , Chalermopol Chamchan
2	Potential Source of Health Funding From Rural Informal Sector in Indonesia : Analysis of Ability to Pay and Willingness to Pay in National Health Insurance Voluntary Participant Premium Arih Diyaning Intiasari, Budi Aji, Siti Masfiah, Laksono Trisnantoro, Julita Hendrartini
3	Effect of Organic Cultivation and Application of Charcoal on Quality of Potato Tuber Cultivar Atlantic Condro Wibowo (a*), Krissandi Wijaya (b) and Ade L. Biyantara
4	IDENTIFICATION OF CONSUMER BEHAVIOR TOWARDS FOOD THAT CONTAINS FOOD ADDITIVES IN BANYUMAS DISTRICT Suyono,Teguh Djuharyanto; Budi Dharmawan; Ratna Satriani; and Alpha Nadeira M

5	DEVELOPMENT OF LOCAL-BASED EDUTOURISM VILLAGE TO INCREASE THE WELFARE OF THE VILLAGE PEOPLE (Case Study on Susukan Village Sumbang District, Banyumas Regency) Haryadi, Aldila Krisnaesanti, Lina Rifda Naufalin, Dadang Iskandar
7	Factor affecting willingness to pay for national health insurance program among informal workers in Indonesia Budi Aji, Nur Ulfah, Siti Masfiah, Siti Harwanti
8	Effect of Blanching Method and Soaking Solution on the Properties of Potato Flour Produced from Variety Granola Condro Wibowo, Pepita Haryanti and Erminawati

#### GROUP 4

Chair : Dr. Taufan Harisam

1	An Exploration Study : Spiritual belief, Spiritual need, and Spiritual care Henie Kurniawati, Sofia Retnowati, Bagus Riyono, Widyawati
2	Effect of Rhizobium and N Fertilizer to Growth and Yield of Black Soyabean (Gycine Soja) Okti Herliana, Tri Harjoso, A.H Syaeful Anwar
3	The Urgency Of Synchronization And Harmonization Of Law Regulations Post The Decision Of Constitutional Court In Judicial Review Riris Ardhanariswari, Muhammad Fauzan, Komari
4	Problematic Of Local Head Regulations As A Local Law Products In The Framework Of National Legal Development Abdul Aziz Nasihuddin, Tedi Sudrajat, Sri Wahyu Handayani
5	The Evaluation Of Student Entrepreneurship Program (Sep) In Jenderal Soedirman University Sri Lestari, Aldila Krisnaesanti, Laeli Budiarti
6	Digital Information Literacy Competency Among Lecturers Of Sultan Ageng Tirtayasa University In Supporting Research And Scientific Publication Anis Fuad, Abdul Hamid
7	Dynamic Modelling to Identify Problems of Smallholder Beef Farming in Rural Java Novie Andri Setianto, Nunung Noor Hidayat, Pambudi Yuwono
8	Understanding Growth of the Cities from Different Disciplinary Perspectives; an Alternative Approach to Sustainable Transport Development Probo Hardini

#### GROUP 5

Chair : Dr. Erwin R ardli

1	Physicochemical analysis of gourami fish sausage with kecombrang edible coating addition Rifda Naufalin, Rumpoko Wicaksono, Erminawati, Poppy Arsil and zuyyinatul khusna
2	THE MANGROVE LANDSCAPING BASED ON WATER QUALITY Endang Hilmi, Lilik Kartika Sari, Setijanto
3	UTILIZATION OF CARAGENAN PROCESSED SEAWEED WASTE AS FISH FOOD RAW MATERIAL TO OBTAIN ECONOMIC VALUE THROUGH BIOCONVERSIDY PROCESS OF BANGGAI REGENCY OF ISLANDS Saharia Kassa, Bakri, H, Madinawati, Asriani Hasanuddin
4	INTERRATER RELIABILITY OF INTRAVENOUS THERAPY OSCE SKILLS CHECKLIST AT SCHOOL OF NURSING UGM



	Dwi Suci Lestari , Totok Harjanto , Anita Kustanti
5	The Milk Made From Red Kidney Bean Sprouts Rich In Phenolic and Vitamin C Antioxidant as an Anti-Inflammatory Hery Winarsi, Sri Putri Wulandari, Sri Sutji Susilowati
6	Costs Analysis Of Fungal Basic Production Cost On Purbalingga Farmers And Private Sectors Group Sri Lestari, Nuniek Ina Ratnaningtyas, Okti Herliana, and Ali Maksum
7	EFFECT OF SUPPLEMENTATION OF TEA DREGS FLOUR (Camellia sinensis) FERMENTED IN FEED ON CARCASS PARTS PERCENTAGE OF MALE TEGAL DUCKS Elly Tugiyanti, Emmy Susanti, Ibnu Hari Sulistyawan
8	Community Parenting For Children Left Behind Study On Desmigratif Productive Migrant Village In Banyumas Regency Indonesia Tyas Retno Wulan, Dalhar Shodik, Muslihudin, Tri Sugiarto, Sotyania Wardhianna, Sri Wijayanti, Dyah Woro DS, Ariadne TH



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## [ABS-51] Abstract Submitted to ICMA-SURE 2018

2 messages

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Abstract ID:  
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Title:  
GELATINIZATION PROFILE AND DIGESTIBILITY IN VITRO OF STARCH AND PROTEIN ON ANALOG RICE BY FORMULATION OF NAGARA BEAN FLOUR MODIFIED L. plantarum AND SAGO STARCH WITH CONCENTRATION OF GLYCEROL MONOSTEARATE

Authors:  
Susi Susi1, Lya Agustina1 and Condro Wibowo2

Institutions:  
1Agroindustrial Technology Department, Lambung Mangkurat University, Jl A Yani Km 36 Banjarbaru South Kalimantan 70714  
2Food Science and Technology Department, Jenderal Soedirman University, Jl. Dr. Soeparno No 63 Karangwangkal, Purwokerto 53123

Content:

Keywords:  
nagara bean flour, L. plantarum, gelatinization profile, starch digestibility vitro, protein digestibility in vitro

Topic:  
Life and Applied Science (LAS)

Presenter:  
Susi Susi

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PRELIMINARY STUDY OF REHYDRATION CHARACTERISTICS AND COOKING TIME OF ANALOG RICE BY FORMULATION OF NAGARA BEAN FLOUR MODIFIED L. plantarum AND SAGO STARCH

Authors:

Susi Susi<sup>1</sup>, Lya Agustina<sup>1</sup> and Condro Wibowo<sup>2</sup>

Institutions:

<sup>1</sup>Agroindustrial Technology Department, Lambung Mangkurat University, Jl A Yani Km 36 Banjarbaru South Kalimantan 70714  
<sup>2</sup>Food Science and Technology Department, Jenderal Soedirman University, Jl. Dr. Soeparno No 63 Karangwangkal, Purwokerto 53123

Content:

Analog rice was expected to have the characteristics of approaching actual rice with a level of stickiness similar to cooked rice, so in the formulation of analog rice, nagara bean fermented by L. plantarum which has amylose content of 23 - 25% was composed with sago starch as a counterweight to the amylose and amylopectin content in order

to obtain good rehydration power and the texture similar to rice. This research was examined formulation of nagara bean flour, sago starch and glycerol monostearate concentration as emulsifier to facilitate the extrusion process. The analog rice was obtained has the characteristics of high rehydration rates, the proportion of nagara bean flour up to 50 percent has less solid losses and was not different from the proportion of 60 percent and 40 percent, while glycerol monostearate concentration of 2 percent could provide good extrusion quality that is not different to 5 percent

**Keywords:**

nagara bean, sago starch, glycerol monostearate, swelling volume, cooking time

[Quoted text hidden]



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