



# The 1<sup>st</sup> INTERNATIONAL CONFERENCE ON AGRICULTURE AND BIOINDUSTRY (ICAGRI)

Ruang Dekan Fakultas Pertanian Universitas Syiah Kuala  
Jl. Tgk. Hasan Krueng Kalee, No. 3 Kopelma Darussalam,  
Banda Aceh 23111 Indonesia



## Parallel Session 2

Room	: ACEH 1	
Time	: 24 Oktober 2019 / 16.30 – 18.00 WIB	
Moderator	: Dr. Ir. Teuku Alvisyahrin, M.Sc	
Paper ID	Author	Title of Paper
65	Nafis Khuriyati*, D A Nugroho, N A Wicaksono	Quality Assessment of Chilies ( <i>Capsicum annuum</i> L.) by Using Smartphone Camera
67	Muhammad Prasetya Kurniawan*, Adi Djoko Guritno, Bambang Purwantana, Wahyu Supartono	Production Cost Approach and Material Flow Cost Accounting as a Step Towards Increasing Responsibility, Efficiency and Sustainability (RES): The Case of Palm Oil Mill in Banten, Indonesia
106	Hartati Oktarina*, Ian Singleton	Can Nano-Silver Products Endanger Beneficial Soil Fungi ?
116	Elly Kesumawati*, Denny Apriyatna, Marai Rahmawati	The Effect of Shading Levels and Varieties on the Growth and Yield of Chili Plants ( <i>Capsicum annuum</i> L.)
37	Sugianto Sugianto*, Riska Adinda, Muhammad Rusdi, Hairul Basri, Syakur, Muhammad Iqbal	Rice Crop Phenology Analysis during Rendeng Season Using Remote Sensing Data: An EVI-2 Ratio Approach of Aceh Besar Regency Rice Field
24	Faris Abdurrahman*, Adilla Pratama, A Majiidah, F Nadaa, A Putri, H Ridhowati	Development Agriculture Potential Areas Based on Sharia Perspective, Case Study of Lengkong Jaya Village, Regency of Tasikmalaya
33	Rahmaddiansyah*, Mujiburrahmad, Zakiah, Suci Afridila, Fitri Dhamy Alansa	Analysis of the Level of Interest in Entrepreneurship for Students at the Syiah Kuala University's Faculty of Agriculture
34	Mira Yunilasari*, Sufardi, Zaitun	Effects of Biochar and Cow Manure on Soil Chemical Properties and Peanut ( <i>Arachis hypogaea</i> L.) Yields in Entisol

Organized by:  
Agriculture Faculty, Universitas Syiah Kuala  
and Indonesian Association of Agro-Industry  
Technologist (APTA)

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## Parallel Session 2

Room	: ACEH 3	
Time	: 24 Oktober 2019 / 16.30 – 18.00 WIB	
Moderator	: Dr. Ir. Normalina Arpi, M.Sc.	
Paper ID	Author	Title of Paper
30	Rita Hayati*, Efendi, Fadillah Rahmadana	Determination of the Best Treatment of the Harvesting, Physicochemical Properties, Organoleptic Test Using the Effectiveness Index Method on the Aceh Local Rice Genotype M7
104	Rita khathir*, Raida Agustina, S Hartuti, Azmil	Improving Fermented Virgin Coconut Oil Quality by Using Microwave Heating.
56	Sri Haryani*, R W Hifdha, Hafidh Hasan, Syarifah Rohaya, Martunis	Optimizing The Sterilization Process of Canned Yellowfin Tuna Through Time and Temperature Combination
45	Dian Hasni*, Cut Nilda, Yusriana, Dwi Izziya Annabila, Yayang Yuliandri Asna	A Comparative Study of Sensory Quality of Sie Reuboh (an Acehnese Cooked Meat) Based on Its Cooking Ware
95	Yuliani Aisyah*, E Murlida, T A Maulizar	Effect of the Edible Coating Containing Cinnamon Oil Nanoemulsion on Storage Life and Quality of Tomato ( <i>Lycopersicum esculentum</i> Mill) Fruits
61	Sri Amelia*, Nenni D A Lubis, Ridwan Balatif, Muhammad Fakhrrur Rozi, Sukma Purnama Sidhi	Antibacterial Effect of Andaliman ( <i>Zanthoxylum acanthopodium</i> ) Against Raw Common Carp ( <i>Cyprinus carpio</i> Linnaeus)
93	Dzarnisa*, Zuraini, Indani, Zaudhatul	Organoleptic Characteristics of Fruit Goat Milkkefir as an Effort to Improve Early Childhood Nutrition
97	Rachman Jaya*, Fenty Ferayanti, Idawanni, Yusriana	Hedonic Analysis of Sensory Characteristic Rice of Padi Gogo (Dry Land Paddy) at Aceh Province
115	Zaidiyah, Y M Lubis*, C A R G Putri, S Rohaya	Physicochemical Properties of Local Variety Sweet Potato Based Bread Using Sourdough Starter From Pineapple Juice
121	Rasdiansyah*, Murna Muzaiifa, Zaidiyah, Ria Monica	The Physicochemical Characteristics of Brownis Partially Substituted with Sago Starch ( <i>Metroxylon</i> sp.)

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Room	: MEDINA 1	
Time	: 24 Oktober 2019 / 16.30 – 18.00 WIB	
Moderator	: Dr. Ir. Yusya' Abubakar, M.Sc.	
Paper ID	Author	Title of Paper
62	Muhammad Ikhsan Sulaiman*, Nursinta Nasrianti, Rita Andini, Darmadi, Cut Erika	Effect of Fruit Size, Solvent and Extraction Methods on Resin Extractability of <i>Daemonorops</i> sp. (Jernang)
74	Meutia Zahara*	Identification, Morphology, and Stomatal Type of Zingiberaceae as Medicinal Plants in Banda Aceh, Indonesia
91	Muhammad Adriyan Fitra*, Z Thomy, Samingan, E Harnelly, H I Kusuma	The Potency of Mushrooms as Food Alternative in the Forest Park Conservation of Pocut Meurah Intan, Saree, Aceh Besar
63	La Karimuna*, Haliwu Halim, Azhar Ansi, Wa Ode Ernawati Marfi, La Samaruddin	Yields of Maize ( <i>Zea mays</i> L.) and Peanut ( <i>Arachys hypogaea</i> L.) in Intercropping System Treated by Biotechnology Bokashi Plus Fertilizer Under Early Growth of Teak Plantation in Napabalano District, Muna Regency, Indonesia
48	Romano Roma Sembiring*, Uristiati, Lukman Hakim, Suyanti Kasimin	Specific Zone and Development Strategy of Local Coconut Plantation in Aceh Besar Regency
64	Marista Vonna*, Hasanuddin, Siti Hafsah	Phytochemical Test Fraction N- Hexane Allelopathy Goat Weed Extracts ( <i>Ageratum conyzoides</i> L) on the Growth of Thorn Spinach ( <i>Amarantus spinosus</i> L.)
89	Syafuruddin*, Syamsuddin, Syakur, Jumini, Halimursyadah, Hasanuddin	The Effect of Mycorrhizal Dose Interactions with Varieties on Growth and Yield of Chili ( <i>Capsicum annum</i> L.) in Andisol Soil Bener Meriah

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## Parallel Session 2

Room	: MEDINA 2	
Time	: 24 Oktober 2019 / 16.30 – 18.00 WIB	
Moderator	: Dr. Ir. Zuyasna, M.Sc	
Paper ID	Author	Title of Paper
84	Mardhiah Hayati *, Sabaruddin, Efendi, A Anhar	Morphological Characteristics And Yields of Several Sweet Potato ( <i>Ipomoea batatas</i> L.) Tubers
107	Mardhiah Hayati*, E Kesumawati, Z Oktaviani	The Response of Shallot Growth and Yield ( <i>Allium ascalonicum</i> L.) Due to Gibberelline Concentration and NASA Liquid Organic Fertilizer Interval
92	Indra Indra*, S Safrida, E. Marsudi	Analysis of Production and Input Efficiency of Tiger Shrimp Pond in Aceh Jaya District, Indonesia
94	Siti Hafsa*, Yusnizar, Nura, Marai Rahmawaty	Improvement of Resistance to <i>Fusarium oxysporum</i> and Chilli of Local Aceh Production With Rizobacteria Inoculation
113	Basri A. Bakar*, Nazariah, Abdul Azis, Yenni Yusriani, Idawanni, Yohanes Geli Bubu, Fachruddin	The Analysis of Selection of Upland Rice Variety in East Aceh District
111	Ashabul Anhar*, Ainun Marliah, Erita Hayati, Nura	Combine Organic and Inorganic Fertilizer Increases Yield of Cucumber ( <i>Cucumis sativus</i> L.)
120	Khairun Nisa*, L Siringo-ringo, Zaitun, Muyassir	Utilization of Biochar Residu Agricultural Waste and Jerami Compost on Changes of Soil Chemical Properties, Fiber Applications and Results of Rice Plant
126	Rikky Herdiyansyah*, Anis Tatik Maryani	Testing Fertilizer and Shade for Growth and Production of Patchouli ( <i>Pogostemon cablin</i> blanco, Benth) in Penerokan Village

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Room	: SERAMBI	
Time	: 24 Oktober 2019 / 16.30 – 18.00 WIB	
Moderator	: Prof. Dr. Ir. Eka Meutia Sari, M.Sc	
Paper ID	Author	Title of Paper
69	M Aman Yaman*, Erina Erina, Zulfan Zulfan, Yunasri Usman, Cut Aida Fitri, Herawati Latif	Increase in Egg Production, Egg Quality and Immunity of Local Chicken Resulted by Cross-Breeding
79	Firdus Firdus*, A Abas Muhammadar, Samadi Samadi, M Ali Sarong, Siska Melissa, Aura Intan, Boihaqi Boihaqi, Muhammad Nasir	The Effect of Feeding with the Addition of Activated Charcoal on Feed Conversion and Survival of Juvenile Giant Trevally ( <i>Caranx ignobilis</i> )
78	Yurliasni Yurliasni* Cut Intan Novita, Zuraida Hanum, Herawati Latif	Optimizing the Quality and Antimicrobial Ability of Yogurt Through a Combination of Starter and Dates Puree at Different Levels
109	Nafiatul Umami*, M P Dewi, S Widodo, B Suhartanto, N Suseno, A Agus	Effect of Planting Densities and Fertilization Levels on the Production and Quality of Chicory Intybus in Yogyakarta, Indonesia
123	Asih Kurniawati*	Improvement of Ruminant Feed Fermentation by Addition of Eucalyptus Based Mix Essential Oil
122	Asih Kurniawati*, Wahyu Eka Saputra, Latifah Mahardillah, Chusnul Hanim, Lies Mira Yusiati	Nutrient Digestibility on Ruminant Fermentation In Vitro with Addition of Rumen Modifier Based on Clove ( <i>Syzygium aromaticum</i> . L.) and Fennel ( <i>Foeniculum vulgare</i> ) Essential Oil
124	Andriyani Astuti*, Nurul Al-Amin, Tri Satya Mastuti Widi	Carcass Characteristics of Male New Zealand White Rabbits Fed Pellet Contains Different Level of Leucaena Leaf Meal
125	Andriyani Astuti*, Jaka Prayoga, Asih Kurniawati	Quality of Rabbit Complete Pellet Feed With Different Level of Leucaena Leaf Meal

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Time	: 24 Oktober 2019 / 16.30 – 18.00 WIB	
Moderator	: Dr. Darwin, S.TP., M.Sc	
Paper ID	Author	Title of Paper
29	Farida Hanum Hamzah*, Nirwana Hamzah, Irdoni HS	Concentration of CaO Catalyst from Chicken Eggshell in Transesterification Process of Pangi Seed Oil Biodiesel
100	Eti Indarti*, Marwan, W D Wanrosli	Effect of Temperature on the Silylation of Nanocrystalline Cellulose from Oil Palm Empty Fruit Bunch with 3-aminopropyltriethoxysilane.
98	Basri A. Bakar*, Fachruddin Fachruddin	The Study of Technology Adoption on Integrated Crop Management (ICM) of Paddy Rice in Aceh Province Aceh
105	Indera Sakti Nasution*, Mutia Rizki Iskandar, Dewi Sriyayanti	Internet of Things: Automatic Sprinklers in Prototyping Greenhouse Using Smartphone Based Android
108	Rezekinta Sembiring*, Mardhiah Hayati, Elly Kesumawati	Formation of Potato Microtubers ( <i>Solanum tuberosum</i> L.) by Using BAP and Coconut Water in In vitro
110	Afri Yani*, Vina Maulidia, Alfizar, Rina Sriwati	Endophytic Bacteria (Genus: <i>Pseudomonas</i> spp.) Isolated From Aceh Bamboo Root as Biological Agent Againsts Nematode Meloidogyne spp
88	Kurnia Harlina Dewi*, Dita Liyoni, Laili Susanti	A Study of Changes in The Quality of Lemea Block in Various Types of Packaging Materials During Storage

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