

INTERNATIONAL CONFERENCE on SUSTAINABLE AGRICULTURE and NATURAL
RESOURCES MANAGEMENT

“Smart Farming for Sustainable Agriculture”

ICoSAaNRM 2018

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Preface

First of all, thanks to Allah SWT, for giving us of bless and grace, the entitled "The 2nd International Conference on Sustainable Agriculture and Natural Resources Management (ICoSAaNRM)" can be finished. ICoSAaNRM 2018 organized by Agriculture Faculty of University of Muhammadiyah Sumatera Utara (UMSU). ICoSAaNRM provide an international forum for sharing knowledge, information, experience and research result as well as there view of pregress and discussion on the theme "Smart Farming for Sustainable Agriculture".

We would also like to express our heartiest to thank to Rector of University of Muhammadiyah Sumatera Utara, steering committees, member of organizing committee, Keynote speakers, Reviewers, Presenters, Moderators, and participants for support to success of this conference.

Thank you

Medan, August 28-29, 2018
ICoSAaNRM Committee 2018

Table of Content

Organizer
Preface
Table of Content
Speech of Organizing Committee
Speech of Dean Faculty of Agriculture

Oral Presenter

Effect of Ammonium Sulphate Fertilization on Themacronutrientcontent of 1 Leavesat Zalacca (<i>Salacca Sumatrana</i> Becc.) Rasmita Adelina, Irfan Suliansyah, Auzar Syarief, Warnita	1
Soil Characteristics in the Rhizosphere and Its Relationship with the Growth 8 of the Camphor Trees in Sirandorong Subdistrict, Tapanuli Tengah District Abdul Rauf, T. Sabrina Djunita, Lollie Agustina P. Putri, and Fitra Syawal Harahap	8
Changes in Soil Chemical Characteristics Due to Plant Forest Eukaliptus Second 15 Generation in Tapanuli Utara Abdul Rauf, Rahmawaty, Tettypryska Sihombing, and fitrasyawal Harahap	15
Analysis of Rice Farmer’s Income in District Labuhan Batu 18 Ade Firmansyah Tanjung, Iskandarini, Satia Negara Lubis, Aflahun Fadhly Siiregar	18
Latex Characteristic and Rubber Properties of Irr 400 Seriesclone 24 Andi Wijaya, Arief Rachmawan, Syarifah Aini Pasaribu	24
The Effect of Giving Naa and Bap on The Establishment of Aren 27 Plant Shoot Ariani Syahfitri Harahap, Sandi Reksa Sukmana	27
The use of Bokashi Fertilizers and Biological Control of Cocoa Pod 31 Borer (Conopomorpha Cramerella) on Cocoa Farmers in Langkat District, North Sumatera Armaniar, Ahmad Saleh	31
Increasing the Potential of Baji-Baji Fish (<i>Grammoplites Scaber</i>) 36 as A Sources of Food Products for Chemical Composition and Aminoacid Content Ayu Diana, Ahmad Fauzan Lubis	36
Modification Vegetative of Plant Height in Paddy After Pbz Application with 43 Rice – Oil Palm Planting System Bambang Surya Adji Syahputra, Maimunah Siregar, Ruth R. Ate Tarigan, and Nur Jamay’ah Br Ketaren	43

Seedling Growth in Response to Seedling Growth Response of cocoa <i>Cocoa</i> (Theobroma Cacao L.) for the Provision of guano Fertilizer and Mycorrhizal Organic fertilizer in the Nursery the Provision of Guano Fertilizer and mycorrhizal organic Fertilizer in the Nursery Dafni Mawar Tarigan, Sri Utami, Husni Aulia Siregar, Mohammad Basyuni, Aisar Novita, Rahmah Hayati, Yuntha Bimantara	47
Analysis of the Physical Properties for Cow Nuggets Mixed with Lard in Order to Improve Halal Food Safety D Ardila, D M Tarigan, M Thamrin, M Taufik	51
Response of Ameliorant Giving to Soybean (<i>Glycine Max</i> (L.) Merril) on Salinity Land Fachrina Wibowo, and ArianiSyafitriHarahap	65
Analysis of Erosion Risk Level in Upstream of Sempor Reservoir Hilda Julia, Aisar Novita	70
Effectiveness Sticky Trap Colored for Monitoring Green Peach Aphidmyzus Persicae Sulz. (Homoptera : Aphididae) at Red Pepper (<i>Capsicum Annum L.</i>) in Field Irna Syofia, Rahmi Anaz	78
Characteristics of <i>Ipomea Aquatica</i> -Sulfur Chips Quality from Karo Land, North Sumatera Jane Melita Keliat, Dewi Novina Sukapiring	84
Analysis of Factors Affecting the Performance of Agricultural Extension Agent in Langkat District Juita Rahmadani Manik, Refiswal, Salsabila	89
Identification of Fresh Water Fisheries Economic Problems (Case Study in Toba Samosir Regency) Julia Marisa, Rahmad Syahni, Rika Ampuh Hadiguna, Nofialdi	96
Agronomic Efficiency of Rice in Increasing Harvest Index (Hi 400) In Intensive Rice of Simalungun Regency North Sumatera Province Khadijah El Ramija, Novia Chairuman, Riri Rizki Chairiyah and Ali Jamil	106
Comparison of Productivity and Income of Rice Farming Irrigation System and rainfed Systems in Gorahut Village, South Tapanuli District Khairunnisa Rangkuti, Desi Novita, Nuddin Lumbantobing	113
Determination Concentrations of Tuba Root Extract (<i>Derris Eliptica</i> (Roxb.) Benth) to Control Pest <i>Lamprosemaindicata</i> F at Soybean <i>Glycine Max</i> (L.) Merrill. Rini Susanti, Andini Hanif, Nana Trisna Mei Kabeakan	119

Social Capital Identification and its Effect on Corn Farming Productivity in Simalungun District	123
Sasmita Siregar, Sirojuzilam, Sumono and Tavi Supriana	
Response of Growth Mustard Plant Pakchoy (<i>Brassica Chinensis</i> L.) the Composition of Plant Medium and Dosage of Npk by Verticulture	129
Sri Utami, Dafni Mawar Tarigan, Itqon Fahmi Syair	
<i>Salacca Sumatrana</i> Becc as an Erosion Retaining Plant in Catchment of Salak Plant Area at West Angkola North Sumatera Indonesia	135
Yusriani Nasution, Azwar Rasyidin, Yulnafatmawita, Amrizal Saidi	
Effect of P Fertilization Dosage and Black Soybean (<i>Glycine Max</i> (L.) Varieties on the Quality in Rainfed Rice Land	145
Mukhtar Yusuf, Aisar Novita, Juita Rahmadani Manik, Andini Hanif	
Chemical composition and Antimicrobial Characteristicon Thecurrylea fessential Oil(<i>Murraya Koenigiil</i>) in Kecamatan Medan Sunggal, Sumatera Utara	149
Najla Lubis, Aisar Novita	
Safety of Gaharu Tea (<i>Aquilaria Malaccensis</i> Lamk) from Induction Tree Through 28 Days Ora l Subchronic Toxicity Test	155
Surjanto, Ridwanti Batubara, Rikson T Manik	
Trimming Test and Administering Manure Towards Growth and Production of Paddy Salebu	162
Marahadi Siregar, Julia Marisa, Samrin	
Land Characteristics Evaluation of Tripa Peat-Swamp for Palm Oil Plantation, Aceh Province, Indonesia	170
Sufardi, Sugianto Sugianto, Hairul Basri, Khairullah, Syakur	
Influence of Ampicillin Resistant <i>Cronobacter Sakazakii</i> on the Stability and Expression of gfpuv in Mutant Cells	176
YUSNITA WAHYUNI SILITONGA, RATIH DEWANTI HARIYADI SITI NURJANAH M. NIZAR HANAFIAH NASUTION	
Physical Properties of Lard in Tuna Processed Products in Order to Increase Halal Food Safety	183
M TAUFIK, D ARDILA, M RAZALI, A. GHOZALI	
Response to the use of Planting Media Types in Aquaponics System for the Vegetative Growth of a Few Varieties Red Chili (<i>Capsicum Annum</i> L.)	189
MAIMUNAH SIREGAR, REFNIZUIDA, NAJLA LUBIS, DEVI ANDRIANI LUTA	
Water Hyacinth Extract and Liquid Waste of Tofu Industry affected on growth Performace of Deli Tobacco Seedlings	193
SURYAWATY HAMZAH, SYAIFUL BAHRI PANJAITAN AND INDRA GUNAWAN DAMANIK	

University of Pembangunan Panca Budi Veterinary Clinic	200
MUDHITA ZIKKRULLAH RITONGA, ANDHIKA PUTRA, NAJLA LUBIS, ISMAIL D	
Changes in Soil Chemical Characteristics Due to Plant Forest Eukaliptus	203
Second Generation in Tapanuli Utara	
ABDUL RAUF, RAHMAWATY, TETTY PRYSKA SIHOMBING, AND FITRASYAWAL HARAHAP	
Comparison of Farmers Income of Rice Field (<i>Oryza Sativa</i> L) with	206
Transplanting Techniques (Tapin) and Direct Seed Planting Techniques (Tabela) (Case Study: Aras Village, Air Putih Subdistrict, Batu Bara District)	
MAILINA HARAHAP, SURNA HERMAN, AGUS SURIANTO	
The Relation of Agricultural Extension Programs to the Dynamics of	213
paddy Rice Farmers Groups	
MUHAMMAD THAMRIN, IRA APRIYANTI AND ANDI GUSTIAWAN	
The Perception of Cocoa Farmers on Role of Agricultural Extension	220
Workers in Desa Tanjung Gunung Kecamatan Laubaleng Kabupaten Karo	
NANA TRISNA MEI BR KABEAKAN, JUITA RAHMADANI MANIK, RINI SUSANTI	
Making of Cattle Liquid Semen Using Tris Yolk Extender and	228
Sweet Orange Essential Oil in Kelambir V Village, Hamparan Perak District	
SUKMA ADITYA SITEPU, AND JULIA MARISA	
Proline Content Variation in Some Rice Varieties Under Salinity Stress	230
WAN ARFIANI BARUS, ABDUL RAUF, ROSMAYATI, CHAIRANI HANUM AND DAFNI MAWAR TARIGAN	
Potential of Sulphate Reducing Bacteria on Reducing Soluble Sulphate	234
Level in Phosgate Medium with Various Ph at Laboratory)	
MAZLINA, ASMAR LAILI SAHAR HANAFIAH, ABDUL RAUF, SIGIT S	
Effectiveness of Auction Markets Commodities Red Pepper	237
(<i>Capsicum Annum</i> L.)	
MUHAMMAD BUHARI SIBUEA, FAIZ AHMAD SIBUEA, ARIEL MUZANI	
Aren As A Conservation Plant That Values Economics In South Tapanuli	244
SYAFIRUDDIN, DINI PUSPITA YANTI, MUHAMMAD NIZAR	
Effect of Rice Hull Biochar Application on Soybean Seed Germination	249
ZAMRIYETTI, SYARIFA MAYLY	
Innovation of "Farmers" and Auction "(Hukaku)" Mobile Applications	254
for Increasing Productivity and Market Access to Land Groups in Cinta Dame Village Kecamatan Simanindo Samosir Regency	
THF. HARUMY, HANIFAH MUTIA Z.N. AMRUI	

Disease Pathogens of Dragon Fruits (<i>Hylocereus</i> Sp.) in Sukamade, Banyuwangi District East Java Indonesia	259
RACHMI MASNILAH, SUHARTI NINGSIH DWI NURCAHYANTI, ALI WAFA	
The Effect of Pruning and Chicken Manure on Vegetative Growth of Honey Deli (<i>Syzygiumaqueum</i> Burn F.) in 9 Months Age	264
ALRIDIWIRSAH, RADA MULIA LUBIS, AISAR NOVITA	
Conservation Soil Processing Test on The Improvement of Soil Physics Properties	278
ANDINI HANIF, FITRA SYAWAL HARAHAHAP, AISAR NOVITA, ABDUL RAUF, ROSWITA OESMAN, SISWA PANJANG HERNOSA	
Response on Growth of <i>Vetiveria Zizanioides</i> L. on Giberellin Under Salinity Stress Conditions	281
AISAR NOVITA, HILDA JULIA, ABDUL RAHMAN CEMDA, RINI SUSANTI	
Effect of Low Temperature on Upland Rice Germination SRI ROMAITO DALIMUNTHE, LOLLIE AGUSTINA P. PUTRI, T. CHAIRUNNISA, ARIS HAIRMANSIS	284
Seedling Growth in Response to Cocoa (<i>Theobroma Cacao</i> L.) for The Provision of Guano Fertilizer and Mycorrhizal Organic Fertilizer in the Nursery	290
DAFNI MAWAR TARIGAN, HUSNI AULIA SIREGAR, SRI UTAMI MOHAMMAD BASYUNI, AISAR NOVITA	
Application Skim Milk on Making Kefir Soy Milk MASYHURA MD, ZULKIFLI LUBIS, ADE IRMA	296
Contributions of IAA (Indole Acetic Acid) and 2-Ip (Dimethyl Allyl Amino Purine) on Multiplication of Red Plant Banana Explants (<i>Musa Paradisiaca</i>) in Ms Media By in Vitro	300
EFRIDA LUBIS, MUKHTAR ISKANDAR PINEM DAN RIZKY FEBRIAN	
Bulbs Results Of Four Kinds Of Genotype Cassava (<i>Manihot Esculenta</i> , L) Occulation Methods And Maked Hole Plant.....	307
SERI KAMILA	
Utilization of Various Fish Dung on the Growth and Production of Lettuce (<i>Lactuca sativa</i> L.) in the Aquaponic System.....	313
ASRITANARNI MUNAR, ALRIDIWIRSAH AND CHOIRATUN NISA	
Effects of Coconut Water Soaking Time on Cocoa (<i>Theobroma cacao</i> L.) Seed.....	316
SILVIA NORA, AISAR NOVITA, ANDI SYAHPUTRA HARAHAHAP AND AZRA FADHILA DAELY	

The Effect of Spacing and Nitrogen Fertilizer Dose on Growth and Yield of
Cabbage Flowers (*Brassica oleracea* var. *Botrytis* L)..... 319
FITRIA

Optimization of Potassium Sulfate (K_2SO_4) storability Varieties Red Chili
(*Capsicum annuum* L.)..... 325
MUHAMMAD AL QAMARI, ABDUL RAHMAN CEMDA

Speech of Steering Committee

Assalamu'alaikum Wr. Wb.

Distinguished guests, respected colleagues, and ladies and gentlemen.

Good morning everyone,

Thank you to the master of time for giving me a great honour to deliver welcome speech.

First of all, I would like to thank to Allah subhanallahu wata'ala for giving us health and opportunity so that we can gather in this place.

Thank you very much for taking your precious time to participate in the 2nd International Conference on Sustainable Agriculture and Natural Resources Management. It is my pleasure to welcome you all to the opening of this conference.

The honorable Rector University of Muhammadiyah Sumatera Utara : Dr. Agussani, M.AP.

The honorable Dean of Agriculture Faculty of University of Muhammadiyah Sumatera Utara: Ir. Asritanarni Munar, M.P.

The honorable our keynote speakers: Prof. Chayapol Khatikarn, M.Eng. MBA (Thailand); Prof. Ir. Edison Purba, P.hD (Indonesia); Prof. Madya Dr. Seca Gandesca (Malaysia); Mohammad Basyuni, S.Hut., M.Si., PhD (Indonesia-Japan); Dr. Patrick M. Rocamora (Philippine).

The honorable: Dean of Agriculture Faculty of University of Islam Sumatera Utara, Dean of Agriculture Faculty of University of Pembangunan Pancabudi, Dean of Agriculture Faculty of STIPAP, Director of Politeknik Pembangunan Pertanian Medan, Dean of Agriculture Faculty of University of Al-washliyah, Dean of Agriculture Faculty of University of Al-Muslim, Dean of Agriculture Faculty of University of Malikussaleh, Dean of Agriculture Faculty of University of Amir Hamzah, Dean of Agriculture Faculty of Langsa, Dean of Agriculture Faculty of University of Sisingamangaraja.

The honorable all presenters and all participants.

In addition, I am most thankful for all the committees and the entire committees that i can't mention one by one.

This is the second International Conference in Agriculture Faculty, University of Muhammadiyah Sumatera Utara. We are grateful to be able to hold this conference.

Today's conference is a very meaningful event where we can share our experiences, research or others. The conference adopts a timely theme "Smart Farming for Sustainable Agriculture".

On behalf of the committee, I welcome you all and thank you very much for your coming.

In closing, I hope your participation will bring some benefits, I hope that all of you will enjoy the conference, and i wish our keynote speakers abroad will have a very pleasant stay in our city.

Thank you.

Wabillahi Taufik Walhidayah

Assalamu'alaikum Wr. Wb

Aisar Novita, S.P.,M.P

Chairman of Organizing Committee ICoSAaNRM 2018

Welcome Speech

on

International Conference;

Sustainable Agriculture And Natural Resources Management

Medan, August 28, 2018

BISMILLAHIRROHMANIRROHIM

Assalamualaikum Warohmatullohi Wabarokatuh

Alhamdulillah Rabbil'alamin, Wassamu'ala Asyrafil Ambia-I Walmursali.

Wa'alaalihi Washshbihi Ajma'in

Gratitude to Allah subhanallahu wata'ala, The One Almighty God, for giving us health and opportunity so that we can gather in this seminar, shalawat and greetings to our prophet Muhammad SAW.

It is my pleasure to welcome you all to the opening of The 2nd International Conference on Sustainable Agriculture and Natural Resources Management.

The honorable Rector University of Muhammadiyah Sumatera Utara : Dr. Agussani, M.AP and Co Rector: Dr. M. Arifin Gultom, S.H., M.Hum. Our keynote speakers: Prof. Chayapol Khatikarn, M.Eng. MBA (Thailand); Prof. Ir. Edison Purba, P.hD (Indonesia); Prof. Madya Dr. Seca Gandesca (Malaysia); Mohammad Basyuni, S.Hut., M.Si.,PhD (Indonesia-Japan); Dr. Patrick M. Rocamora (Philippine). And our reviewer Dr. Apri Heri Iswanto, Mohammad Basyuni, S.Hut., M.Si.,PhD., Irda Safni, S.P., M.Sc., P.hD., Arif Nuryawan, S.Hut., M.Si., PhD., Rahmawaty, S.Hut.,Ph.D

The honorable all presenters and all participants, and audience.

Thank you to the Rector of UMSU for your support so that this conference, and all the committee and components involved that cannot be mentioned one by one, I express my highest appreciation.

Thank you for participating in the 2nd International Conference on sustainable Agriculture and Natural Resources Management with adopts a timely theme "Smart Farming for Sustainable Agriculture", held by Agriculture Faculty, University of Muhammadiyah Sumatera Utara.

Agriculture is a very interesting to be discussed. Not just for farmer, observers, government and academia. Therefore, we gathered in this seminar to discuss Smart Farming for Sustainable Agriculture.

At this conference, we will get a lot of important information. With this, I, hope this will bring some benefits. So In closing, wabillahitaufik walhidayah wassalamu'alaikum wr wb.

Wabillahi Taufik Walhidayah

Assalamu'alaikum Wr. Wb

Dean of Agriculture Faculty UMSU

Ir. Asritanarni Munar, M.P.