

BEST PRESENTER CERTIFICATE

is awarded to

**Stalis Norma Ethica, Chaerul Arham, Wikanastri
Hersoelistyorini, Rivana Ariyadi, Ayu Rahmawati
Sulistyaningtyas, Muhammad Ardi Afriansyah and
Aditya Rahman Ernanto**

with the paper entitled:

**An In Silico Study Underlining Listeriolysin O Protein-Coding
Gene hly for Specific Bacterial Detection of Listeria
monocytogenes Using Newly Designed Primers**

Presented in the 2nd International Conference on Technology for
Sustainable Development (ICTSD 2021),
held on 27-28 July 2021 in Yogyakarta, Indonesia.
Organized by Vocational College Universitas Gadjah Mada.

VERIFIED CERTIFICATE

VALID CERTIFICATE ID

Issued July 27, 2021

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UNIVERSITAS GADJAH MADA
VOCATIONAL COLLEGE



Agus Maryono
Dr.-Ing. Ir. Agus Maryono
Dean of Vocational College
Universitas Gadjah Mada



Setyawan Bakti Wibowo
Dr. Setyawan Bakti Wibowo, ST., M.Eng.
Chairman of the ICTSD 2021



Program Schedule for ICTSD 2021

Plenary Session

First Day - Tuesday, July 27th, 2021	
MAIN ROOM (link: http://ugm.id/ICTSD2021DAY1)	
Zoom Meeting ID : 989 4476 9466 Passcode : 157713	
Time (WIB/ GMT+7)	Activity
08:50 - 09:00	Zoom open for participant
09:00 - 09:05	Opening by MC
09:05 - 09:10	Virtual National Anthem: Indonesia Raya
09:10 - 09:20	Report remark from Chairperson: Dr. Setyawan Bekti Wibowo, ST., M.Eng
09:20 - 09:35	Welcoming speech from the Dean of Vocational College UGM: Dr. Ing. Ir. Agus Maryono
09:35 - 09:50	Opening speech by Rector of UGM: Prof. Ir. Panut Mulyono, M.Eng., D.Eng.
09:50 - 10:20	Keynote speech by Kirsten Bishop (Minister Counsellor - Governance and Human Development, Australian Embassy Jakarta)
10:20 - 10:50	Keynote speech by Dr. Ir. Subandi, MSc (Deputi Bidang Pembangunan Manusia, Masyarakat, dan Kebudayaan, BAPPENAS)
Zoom breakout room for each symposium (link: http://ugm.id/ICTSD2021DAY1)	
10:50 - 12:00	Invited Speech Session for Agrotechnology and Environment 10:50 – 11:25 WIB: Dr. Yessie Widya Sari, M. Si. (Department of Physics, Faculty of Mathematics and Natural Sciences, Bogor Agricultural University) Moderator: Ahdiar Fikri Maulana, S.Hut., M.Agr., Ph.D
	Invited Speech Session for Socio-Economic and Humanities 10:50 – 11:25 WIB: Jingzhi Chen, Ph.D. (Sun Yat-Sen University, China) 11:25 – 12:00 WIB: Miguel Escobar Varela, Ph.D. (National University of Singapore) Moderator: Dr. Dewi Cahya Ambarwati, M.A.
	Invited Speech Session for Science and Technology 10:50 – 11:25 WIB: Assoc. Prof. Muhammad Aziz (The University of Tokyo, Japan) 11:25 – 12:00 WIB: Prof. Dr. Saiful Amri Mazlan (Universiti Teknologi Malaysia/Visiting professor at Tokyo City University) Moderator: Irfan Bahiuddin, ST, M.Phil., Ph.D.
12:00 - 13:00	Break
13:00 - 15:35	Parallel Session for day 1

**Note: time schedule is written in WIB (GMT+7)*



Second Day - Wednesday, July 28th, 2021	
ZOOM ROOM (link: http://ugm.id/ICTSD2021DAY2)	
Meeting ID: 960 4792 5096 Passcode: 908171	
Time (WIB/ GMT+7)	Activity
12:45 - 12:55	Announcement for best paper
12:55 - 13:05	Closing

Parallel Session

Cluster: Agrotechnology and Environment

Note: time schedule is written in Western Indonesian Time (GMT+7 / WIB)

First Day:

Breakout room: Agro 1

First Day - Tuesday, July 27th, 2021		
ZOOM ROOM (link: http://ugm.id/ICTSD2021DAY1)		
Meeting ID: 989 4476 9466 Passcode: 157713		
Breakout room: Agro 1 Agrotechnology and Environment		
Moderator:	Dr. Eng. Annie Mufyda Rahmatika, S.T., M.T. (5 presentations)	
Time	Presenter	Paper Title
13:00 - 13:15	Sunarmani Sunarmani, Winda Haliza, Elmi Kamsiati and Heny Herawati	Physico-Chemical and Organoleptic Characteristics of Gluten-Free Cake with the Addition of Porang Flour
13:15 - 13:30	Adi Nugroho, Ahdiar Fikri Maulana, Singgih Utomo, Silvi Nur Oktalina and Virda Ayu Wafiroh	Small and medium enterprises' knowledge, attitude and intention to use biomass-based renewable energy in Yogyakarta
13:30 - 13:45	Sri Yuliani, Juniawati, Sri Usmiati, Sri Widowati and Esty A. Suryana	Environmentally Friendly Preparation of Tempeh from Indonesian Local Soybean through Dry Milled Peeling Technique
13:45 - 14:00	Miskiyah, Juniawati and Deska Fahira Andjani	Characterization of chicken feet gelatine processed using base-acid combination with soaking time treatment
14:00 - 14:15	Masendra Masendra, Eko Prasetyo and Agus Ngadianto	Phenol contents and antioxidant activity of Calliandra calothyrsus and Gliricidia sepium leaves
Moderator:	Galih Kusuma Aji, STP, M.Agr., Ph.D. (5 presentations)	
Time	Presenter	Paper Title
14:20 - 14:35	Eliya Nur Fadila, Hepi Hapsari Handayani and Muhammad Taufik	Analyze of Mapping in the Complete Systematic Land Registration on the Mangrove Conservation (Case Study: Kuaro Village, Kuaro Subdistrict, Paser District)



Second Day - Wednesday, July 28th, 2021		
ZOOM ROOM (link: http://ugm.id/ICTSD2021DAY2)		
Meeting ID: 960 4792 5096 Passcode: 908171		
Breakout room: Tech 2 Science and Technology		
	Nurkaromah and Nurlita Putri Bela	
10:50 - 11:05	Stalis Norma Ethica, Chaerul Arham, Wikanastri Hersoelistyorini, Rivana Ariyadi, Ayu Rahmawati Sulistyanningtyas, Muhammad Ardi Afriansyah and Aditya Rahman Ernanto	An In Silico Study Underlining Listeriolysin O Protein-Coding Gene hly for Specific Bacterial Detection of <i>Listeria monocytogenes</i> Using Newly Designed Primers
11:05 - 11:20	Ayu Nur Fitriani Busanto and Erina Rahmadyanti	ANALYSIS OF IMPACT LEACHATE CHANNEL ON ENVIRONMENT SEEN FROM THE LANDFILL MANAGEMENT ASPECT
11:20 - 11:35	Prasetyo Adi Wibowo and Rasgianti Rasgianti	Strength analysis of lattice tower structure 150kV high voltage overhead lines using SAP 2000 software
Moderator:	Irfan Bahiuddin, ST, M.Phil., Ph.D (5 presentations)	
Time	Presenter	Paper Title
11:40 - 11:55	Metsen M A Hakiki, Ahmad N Faizin, Irfan Bahiuddin, Nadia Atikasari, Fitriani Imaduddin, Saiful Amri Mazlan and Andhi A Ismail	Performance Prediction and Design Selection of Modular Magnetorheological Valve using Meandering Flow Path Structure
11:55 - 12:10	Nuryati Nuryati, Dian Budi Santoso and Nur Rokhman	Integration of ICPC in an Electronic Medical Records Prototype for Family Physician Clinic
12:10 - 12:25	Mitha Aulia Hayuningrat and Erina Rahmadyanti	The analysis of land requirements and waste management facilities (case study: TPA Ngegong, Blitar City)
12:25 - 12:40	Trivena Tualaka and Irmina Kris Murwani	Fluorination Reaction Mixture of Zn Metoxide and Cu Metoxide
12:40 - 12:55	Rasgianti and Prasetyo Adi Wibowo	Mapping of Transmission Tower Line Using Zoning Area Method to Get the Optimal Design of Foundation in Unstable Areas