

Day-1: Saturday, December 14, 2019

Room: Mathematics 1 - CCR 2.05 Sat - Dec 14, 2019					
No	Time	Presenter	Title	Paper-ID	Moderator
1	13.30-14.00	Assoc. Prof. Alhadi Bustamam, Ph.D.	Emerging Trend of Big Data Analytics: The Need for Data Science and Bioinformatics in Empowering Life Sciences	Invited Speaker	Prof. Toni Bakhtiar
2	14.00-14.15	Pussadee Yangklan	Arithmetic functions associated with the problem of counting certain semi-prime integers	ICMSA2019-OP-10	
3	14.15-14.30	Neli Agustina	Modeling Multi-Input Intervention on Analysis of the Impact of Terrorism on Foreign Tourist Visits to Indonesia	ICMSA2019-OP-12	
4	14.30-14.45	Shamsatun Nahar Ahmad	The Complexity and Optimal Conditions in the Hybrid Resultant Matrices in	ICMSA2019-OP-15	
5	14.45-15.00	Annisaa Putri	Prey-Predator Interaction Model Between Herring and Harbour Seals with Phocine Distemper Virus (PDV) Infection in Harbour	ICMSA2019-OP-18	
	15.00-15.15	Coffee Break			
6	15.15-15.30	Nurin Dureh	Community Concerns of Youth and Young Adults, Age 15-25 Years in Pattani Province	ICMSA2019-OP-23	Dr. Paian Sianturi
7	15.30-15.45	Zulqurnain Sabir	Heuristic computing approach for solving Lane-Emden equation using multi-activation functions	ICMSA2019-OP-3	
8	15.45-16.00	Algaralleh Hamzah	On Genetic algebra and it's a transformation to some Evolution algebras in dimension four.	ICMSA2019-OP-31	
9	16.00-16.15	Muhammad Abid As Sarofi	Music Genre Classification based on Mel Frequency Cepstrum Coefficient (MFCC) using Support Vector Machine (SVM) and Random Forest (RF)	ICMSA2019-OP-84	
10	16.15-16.30	Nurholis	Dynamical System of Cholera Infection by Hyperinfectious Form of Toxigenic Vibrio Cholerae Considering Vaccination, Medical Treatment and Sanitation	ICMSA2019-OP-98	

Room: Mathematics 2 - CCR 2.06 Sat - Dec 14, 2019					
No	Time	Presenter	Title	Paper-ID	Moderator
1	13.30-13.45	Grandianus Seda Mada	The Analytic Hierarchy Process (AHP) to Determine The Weight of Objective Functions for Non-Symmetrical Fuzzy Multi-Objective Supplier Selection in A Supply Chain	ICMSA2019-OP-34	Dr. Paian Sianturi
2	13.45-14.00	Nurul 'Aini Harun	A Hybrid Conjugate Gradient Method in Estimating Number of Road Accidents in Malaysia	ICMSA2019-OP-77	
3	14.00-14.15	Bakti Siregar	Portfolio Optimization Based on Stock Clustering of Indonesia Stock Exchange: A Case Study Index LQ45	ICMSA2019-OP-39	
4	14.15-14.30	Rahma Zuhra	A Brief Review on Constructing Proofs of Fixed Point Theorems in Various Metric Spaces	ICMSA2019-OP-41	
5	14.30-14.45	Siti Rahma Damanik	Subsidized House Supply in Indonesia in 2015-2019: Temporal-spatial Application	ICMSA2019-OP-42	
6	14.45-15.00	Eristia Arfi	Comparative Analysis of Perturbation Methods for Galloping Problem of Two Spans Overhead Transmission Lines	ICMSA2019-OP-45	
	15.00-15.15	Coffee Break			
7	15.15-15.30	Agus Irawan	The Locating-Chromatic Number of Origami Graphs	ICMSA2019-OP-49	Prof. Toni Bakhtiar
8	15.30-15.45	Nabilla Putri Pratiwi	a mathematical model to control mosaic disease of jatropha curcas with nutrition and insecticide interventions	ICMSA2019-OP-54	
9	15.45-16.00	Nadhira Azizah	Optimal Control of White Rhino Poaching with Intervention to Control the Number of Hunters	ICMSA2019-OP-56	
10	16.00-16.15	Pattarapon g Pakpoom	A General Solution for a Special Tri-diagonal Linear System	ICMSA2019-OP-57	
11	16.15-16.30	Pattarapon g Pakpoom	Solving certain linear system of equations using method of linear recurrence	ICMSA2019-OP-58	

Room: Statistics 1 - CCR 2.08 Sat - Dec 14, 2019					
No	Time	Presenter	Title	Paper-ID	Moderator
1	13.30-14.00	Yuwadee Klomwises, PhD	Development of New Random Variate Generator	Invited Speaker	Dr. Donny C. Lesmana
2	14.00-14.15	Dita Siregar	Hotspot Detection For Communicable Diseases In Central Java 2015 Using Upper Level Set Scan Statistic Method	ICMSA2019-OP-11	
3	14.15-14.30	Chanakarn Jornsatian	Zero-One Inflated Negative Binomial - Beta Exponential Distribution and its Application	ICMSA2019-OP-14	
4	14.30-14.45	Faihatuz Zuhairroh	The Graduation of Transition Intensities from Semi-Markov Processes to Premium Pricing	ICMSA2019-OP-16	
5	14.45-15.00	Angkana Kokaew	A Ratio of Binomial Proportions: different methods of estimation	ICMSA2019-OP-17	
	15.00-15.15	Coffee Break			
6	15.15-15.30	Maharani Wahyu	Multilevel Small Area Estimation for Smoking Prevalence of Married Men in Indonesia	ICMSA2019-OP-19	Dr. Bib P. Silalahi
7	15.30-15.45	Maharani Wahyu	Meta Analytical Two-stage Structural Equation Modeling (MA-TSSEM) Application: Indonesia's Poverty Determinants in 217	ICMSA2019-OP-20	
8	15.45-16.00	Khalilah Nurfadilah	Evaluation of Naïve and Covariance Algorithm in Generalized Linear Models (GLMs)	ICMSA2019-OP-99	
9	16.00-16.15	Faisol Nawae	Statistical modeling for factors of repeat teen pregnancy in Pattani province	ICMSA2019-OP-24	
10	16.15-16.30	Etis Sunandi	Statistical Modeling of Malaria Incidences Using Poisson-Gamma Model for Small Area in Bengkulu Province	ICMSA2019-OP-25	
11	16.30-16.45	Femmy Diwidian	Analysis of Variable Selection Based on Nonconcave Penalized Likelihood Using the SCAD, LASSO and Elastic Net Methods	ICMSA2019-OP-90	

Room: Statistics 2 - CCR 2.09 Sat - Dec 14, 2019					
No	Time	Presenter	Title	Paper-ID	Moderator
1	13.30-13.45	Yadapa Chotedelok	Maximum Likelihood Estimation for the Exponentiated Pareto Distribution	ICMSA2019-OP-32	Dr. Bib P. Silalahi
2	13.45-14.00	Herianti	Outlier Detection Algorithm for the Calibration Model to Estimate the Non-invasive Blood Glucose	ICMSA2019-OP-28	
3	14.00-14.15	Debora Chrisinta	Cluster Ensemble and Latent Class Clustering Approach for Mixed Data	ICMSA2019-OP-29	
4	14.15-14.30	Dwi Yan Nugraha	Evaluation of Psychometric Characteristics of Logical Reasoning Measurement With Classical Test Theory Approach	ICMSA2019-OP-30	
5	14.30-14.45	Irmeilyana	Application of Simple Correspondence Analysis to Analyze Factors that Influence Land Productivity of Pagar Alam Coffee Farming	ICMSA2019-OP-27	
6	14.45-15.00	Elieza Paul	Statistical Modelling of TB Disease Burden with Latent TB Infection in Tanzania	ICMSA2019-OP-33	
	15.00-15.15	Coffee Break			
7	15.15-15.30	Jacque Bon-Isaac Aboy	Nonparametric Performance Hypothesis Testing with the Information Ratio	ICMSA2019-OP-36	Dr. Donny C. Lesmana
8	15.30-15.45	Ian Jay Serra	On Zero and k Distribution for Inflated Count Data	ICMSA2019-OP-37	
9	15.45-16.00	Sifriyani	Analysis of Agricultural Productivity in East Kalimantan Province Using Nonparametric Geographically Weighted Regression	ICMSA2019-OP-38	
10	16.00-16.15	Tanachot Chaito	Performance Comparison of Methods in Estimating Zero-Inflated Weibull Parameters for Fitting Monthly Precipitation of Nan Region Thailand	ICMSA2019-OP-4	
11	16.15-16.30	Urwawuska Ladini	Evaluation of Relationship between Accreditation and National Examinations by Multilevel Generalized Structured Component Analysis	ICMSA2019-OP-40	

Room Applications 1 - CCR 2.10 Sat - Dec 14, 2019					
No	Time	Presenter	Title	Paper-ID	Moderator
1	13.30-13.45	Siti Rafika Fiandasari	Implementation of Empirical Bayes Method in Estimating Poverty and Unemployment Rates of Indonesia	ICMSA2019-OP-1	Dr. Fahren Bukhari
2	13.45-14.00	Puspita Kaban	Implementing the possibilistic biclustering method and big data to map the socio-economic conditions: a case study for Yogyakarta Province	ICMSA2019-OP-13	
3	14.00-14.15	Marzuki	Implementation of decision tree using C5.0 algorithm in preference and electability survey results on regional head election in Aceh	ICMSA2019-OP-2	
4	14.15-14.30	Arif Marsuhandi	Random Forest and Remote Sensing for Classification Paddy Harvested Area Study Case : Brebes Regency	ICMSA2019-OP-22	
5	14.30-14.45	Elis Khatizah	Selecting the Awardee of IPB Bidikmisi Scholarship by Using Analytical Hierarchy Process Method	ICMSA2019-OP-43	
6	14.45-15.00	Oon Septa	Implementation of Principal Component Analysis and Extreme Gradient Boosting in Classification Dengue Hemorrhagic Fever Gene Expression Data	ICMSA2019-OP-46	
	15.00-15.15	Coffee Break			
7	15.15-15.30	Muhammad Syukri	Seismic Velocity (Vp and Vs) Correlation Generated from Refraction and Downhole Measurements	ICMSA2019-OP-5	Ruhyat, M.Act.Sci.
8	15.30-15.45	Cut Mardiana	Various Experimental Designs on Palm Oil Plant Research	ICMSA2019-OP-55	
9	15.45-16.00	Muhammad Syukri	Sedimentary Aquifer Assessing Using 2-D Resistivity Imaging Case Study: Blang Bintang, Aceh Besar, Indonesia	ICMSA2019-OP-6	
10	16.00-16.15	Sachnaz Desta Oktarina	Sentiment Analysis of Twitter Hashtag #SawitBaik: What to Expect from the Angry Netizen?	ICMSA2019-OP-60	
11	16.15-16.30	Krisada Khruachalee	Applying Copula in Measuring Portfolio Value at Risk	ICMSA2019-OP-7	

Day-2: Sunday, December 15, 2019

Room: Mathematics 3 - CCR 1.01 Sun - Dec 15, 2019					
No	Time	Presenter	Title	Paper-ID	Moderator
1	8.30-8.45	Wira Ramadani	A Vaccination Strategy on An SIR Model with Community Awareness	ICMSA2019-OP-59	Ruhyat, M.Act.Sci.
2	8.45-9.00	Xena Maharani	An Awareness Based Model for Disease Spread with Media Campaign	ICMSA2019-OP-63	
3	9.00-9.15	Andi Maulana	Predator-Prey Model Analysis for Interaction Between Agrotis segetum and Zea mays	ICMSA2019-OP-68	
4	9.15-9.30	Putri Rahmawati	Devide and Conquer Algorithm for Grobner Basis over Binary Field	ICMSA2019-OP-70	
5	9.30-9.45	Darlana	The Jordan Canonical Form and The Rational Canonical Form Via Primary Decomposition and Cyclic Decomposition	ICMSA2019-OP-76	
	9.45-10.00	Coffee Break			
6	10.00-10.15	Aisyah Fitri Yuniasih	Dynamic Panel Approach of Manufacture Labor Productivity Convergence in Economic Corridor of Sumatera and Java: Capital-intensive and Labor-intensive	ICMSA2019-OP-35	Dr. Fahren Bukhari
7	10.15-10.30	Safira Latifah	Understanding Effect of the People Awareness on an SIS Disease Model with Demography	ICMSA2019-OP-78	
8	10.30-10.45	Ngakan Komang Kutha Ardana	Handling Cellwise Contamination in High-Dimensional Data for the LASSO Model	ICMSA2019-OP-83	
9	10.45-11.00	Tonah	Ordering Variables by Metric Scaling-MST for Unordered Variables Selection using Fused Lasso: Analysis of Mathematical Literacy Achievement of Schools in Indonesia at PISA	ICMSA2019-OP-100	
10	11.00-11.15	Lay Eng Teoh	In-Flight Food Waste Reduction Under Uncertainty	ICMSA2019-OP-101	

Room: Mathematics 4 - CCR 1.02
Sun - Dec 15, 2019

No	Time	Presenter	Title	Paper-ID	Moderator
1	8.30-8.45	Sri Mustikaningsih	Optimization of Inventory Model with Constant Level of Deterioration and Discount Case: Sale Period Ends Before the Regular Order Time	ICMSA2019-OP-86	Dr. Sugi Guritman
2	8.45-9.00	Septiana Tassha Nurrizqi	Analysis the Effect of External Factors on Agricultural's Stock Return	ICMSA2019-OP-93	
3	9.00-9.15	Nadhifa Ayu Shafirra	Sentiment Classification on Indonesian Movie Review Videos Using the Mel Frequency Cepstral Coefficients (MFCC) and Speech-To-Text with Convolutional Neural Network	ICMSA2019-OP-88	
4	9.15-9.30	Eliyah Acantha Manapa	Method and Simulation	ICMSA2019-OP-95	
5	9.30-9.45	Karl Man Collado	Estimation of Count Time Series Model with Varying Frequencies: Application to Prevalence Rate of Diseases	ICMSA2019-OP-102	
	9.45-10.00	Coffee Break			
6	10.00-10.15	Rini Warti	Selection of Variables using The Group Lasso-Ridge Hybrid Method for Smoker in Jambi Province	ICMSA2019-OP-92	Dr. Endar H. Nugrahani
7	10.15-10.30	Febry Ambama	On the AND Operation on Binary Multivariate Polynomial Ring	ICMSA2019-OP-87	
8	10.30-10.45	Cici Suhaeni	Ensemble Clustering Based on Squeezer Algorithm to Identify Reputable Onlineshops in a Marketplace	ICMSA2019-OP-94	
9	10.45-11.00	Ihza Rizkia Fitri	Optimal Strategy in Controlling Pest Insect Using Mating Disruption and Green Insecticide Intervention	ICMSA2019-OP-97	
10	11.00-11.15	Indriani Juvita Khustantiliem	Brute Force Method for Solving Binary Multivariate Nonlinear System Accelerated by Devide and Conquer Recurrence	ICMSA2019-OP-69	

Room: Statistics 3 - CCR 1.03 Sun - Dec 15, 2019					
No	Time	Presenter	Title	Paper-ID	Moderator
1	8.30-9.00	Dr. Sri Nurdianti, M.Sc.	Statistical Bias Correction On Global Climate Model For El Nino Index Prediction	Invited Speaker	Dr. Endar H. Nugrahani
2	9.00-9.15	Rahma Anisa	Compromising Approach to Identify the Variable Importance in Predictive Modeling	ICMSA2019-OP-50	
3	9.15-9.30	Akemat Wongpairin	Length of Hospital Stay Prediction Using Linear Regression and Neural Network in Pneumonia Patients	ICMSA2019-OP-51	
4	9.30-9.45	Bayu Permata Negara	Model-Based Clustering using Expectation Maximization (EM) and Hierarchical Clustering (HC) Algorithms on Senior High Schools Clustering in Jakarta	ICMSA2019-OP-61	
	9.45-10.00	Coffee Break			
5	10.00-10.15	Desi Yuniarti	Factors Affecting Gross Regional Domestic Product of East Kalimantan Using Panel Data Regression	ICMSA2019-OP-47	Dr. Sugi Guritman
6	10.15-10.30	Euis Asriani	Zn Content in Ex Tin-Mined Pond Sediments Using Multiple Linear Regression	ICMSA2019-OP-53	
7	10.30-10.45	Ivan Noverlianto Tanawi	Support Vector Regression for Predicting Number of Dengue Incidences in DKI Jakarta	ICMSA2019-OP-64	
8	10.45-11.00	Cynthia	Cluster Analysis of Dengue Incidence Data and Weather in DKI Jakarta with Fuzzy c-Means Clustering	ICMSA2019-OP-65	
9	11.00-11.15	Cindy	Cluster Pattern Analysis on Weather Time-Series Data using K-Medoids Clustering Algorithm. Case Study: Spread of Dengue in DKI Jakarta Province	ICMSA2019-OP-66	

Room: Statistics 4 - CCR 1.04 Sun - Dec 15, 2019					
No	Time	Presenter	Title	Paper-ID	Moderator
1	8.30-8.45	Mahendri Dwicahyo	Deep Learning for Standardized Industrial Classification in Statistics Indonesia	ICMSA2019-OP-67	Dr. Donny C. Lesmana
2	8.45-9.00	Pupe Sudsila	Quantile Regression: different methods of estimation	ICMSA2019-OP-62	
3	9.00-9.15	Nunung Nurhayati	Simulation Study of The Seasonal Generalization Space-Time Autoregressive (S-GSTAR) Model	ICMSA2019-OP-79	
4	9.15-9.30	Dian Handayani	The Spatial Empirical Best Predictor of Per Capita Expenditure for Some Sub-Districts in Bogor, Indonesia	ICMSA2019-OP-80	
5	9.30-9.45	Easbi Ikhsan	Small Area Estimation for Estimating Infant Mortality Rates Province Level in Indonesia using Empirical Best Linear Unbiased Prediction	ICMSA2019-OP-81	
	9.45-10.00	Coffee Break			
6	10.00-10.15	Ma'Rufah Hayati	Statistical Downscaling with Response of Tweedie Compound Poisson Gamma and Lasso Regularization	ICMSA2019-OP-82	Dr. Bib P. Silalahi
7	10.15-10.30	Asep Rusyana	Identification of Non-Oil and Gas Main Commodity Exports in Indonesia to Major Destination Countries Using PCA Biplot and CVA Biplot	ICMSA2019-OP-85	
8	10.30-10.45	Pepi Novianti	Identifying the Dependency Structure of Temperature and Humidity Using Copula	ICMSA2019-OP-9	
9	10.45-11.00	Valentino Prasetya	Application of Getis Ord G_i^* Statistic to Analyze The Existence of Hot Spot Area of Dengue in Jakarta	ICMSA2019-OP-91	
10	11.00-11.15	Reski Wahyu Yanti	Analysis of Spatiotemporal Return Period Based on Copula	ICMSA2019-OP-48	

Room: Applications 2 - CCR 1.05
Sun - Dec 15, 2019

No	Time	Presenter	Title	Paper-ID	Moderator
1	8.30-8.45	Yopi Andry Lesnussa	Application of Backpropagation Artificial Neural Network for Human Development Index (HDI) Prediction in Maluku Province	ICMSA2019-OP-71	Dr. Bib P. Silalahi
2	8.45-9.00	Dwi Haryanto	Risk Prediction of Claim Frequency Using INAR(1) Poisson Model	ICMSA2019-OP-73	
3	9.00-9.15	Nasriyah Arbu	Modeling and Forecasting Age-Specific Fertility Rate in Africa	ICMSA2019-OP-52	
4	9.15-9.30	Evy Sulistianingsih	Credible Delta Value at Risk for Option Portfolio Risk Valuation	ICMSA2019-OP-8	
5	9.30-9.45	Almira Pangestika	An Application of Almost Ideal Demand System: Analysis of Indonesian Non-Food Consumption Demand for 2016-2018	ICMSA2019-OP-96	
	9.45-10.00	Coffee Break			
6	10.00-10.15	Nur Aidya Hanum Aizam	Application of a General University Course Timetabling Mathematical Model to a Malaysian Public University Problem	ICMSA2019-OP-72	Dr. Donny C. Lesmana
7	10.15-10.30	Meutia Keumala Bachnar	Simulation Modelling and Analysis of Pharmaceutical Inventory Management in Hospital (Case Study: RS Ibnu Sina, Aceh Besar)	ICMSA2019-OP-75	
8	10.30-10.45	Alfiyyah Hasanah	Implementation of Knapsack Problem in Diabetes Mellitus Prevention	ICMSA2019-OP-89	
9	10.45-11.00	Irmeilyana	Characteristics Comparison on FMIPA and FKIP Alumni of Sriwijaya University Based on Relationship between GPA, Field of Work, and Length Time to Get First Job	ICMSA2019-OP-26	
10	11.00-11.15	Shalela Mohd Mahali	One Compartmental Models for Controlled Drug Delivery from Linearly, Exponentially and Logistically Swelling Devices	ICMSA2019-OP-74	