

Day 3  
Parallel Session  
July 27, 2023 (10:00 AM – 12:00 PM)  
Thursday

Applied Mathematics  
Room 1  
PIC: Heni Heriyani

Time	Presenter	Title	Moderator
10:00 – 10:20 AM	Ayomi Sasmito	Adaptive Chaotic Rat Swarm Optimization for the Quadratic Assignment Problem	San Nah Sze
10:20 – 10:40 AM	Faturahman Yudianto	Development of Expert System for Skin Diseases based on Name Entity Recognition (NER) and Fuzzy Inference	Ayomi Sasmito
10:40 – 11:00 AM	Oki Almas Amalia	Optimizing Clustered Hospital Bed Allocation in the Context of Indonesia's Mandatory Health Insurance	Faturahman Yudianto
11:00 – 11:20 AM	San Nah Sze	An Improved Variable Neighbourhood Search Heuristic Algorithm for the Vehicle Routing Problem with Backhaul	Oki Almas Amalia
11:20 – 11:40 AM	-	-	-
11:40 AM – 12:00 PM	-	-	-

Mathematics Education  
Room 3  
PIC: Uvi Dwian Kencono

Time	Presenter	Title	Moderator
10:00 – 10:20 AM	Mharta Adji Wardana	Algorithmic Thinking Learning in Underdeveloped Regions: A Study of Self-Taught Lesson Resources and Unplugged Activities	Vitus Paul Lopez De Jesus
10:20 – 10:40 AM	Rainilyn Leonardo Duque	Students' Understanding of The Real Nature of Mathematics and Its Relationship to Their Attitude Towards The Discipline	Mharta Adji Wardana
10:40 – 11:00 AM	Rebecca Ester M Sihotang	Designing a Hypothetical Learning Trajectory in Mathematics to Enhance Computational Thinking Skills in K-12 Education	Rainilyn Leonardo Duque
11:00 – 11:20 AM	Rina Musannadah	Reasoning-and-Proving in Algebra in Indonesian High School Mathematics Textbooks in 2022	Rebecca Ester M Sihotang
11:20 – 11:40 AM	Vitus Paul Lopez De Jesus	Assessing The Mathematical Reasoning Required in Geometry Examination Tasks for The Filipino Deaf/Hard-of-Hearing Learners	Rina Musannadah
11:40 AM – 12:00 PM	-	-	-

Statistics III  
Room 5  
PIC: Maria Asa Pitayani

Time	Presenter	Title	Moderator
10:00 – 10:20 AM	Bernadhita Herindri Samodera Utami	The Properties of Estimating Function on Probability Hilbert Space	Restu Ananda Putra
10:20 – 10:40 AM	Etis Sunandi	Beta-Binomial Model in Small Area Estimation Using Adjusted Profile Hierarchical Likelihood Approach	Bernadhita Herindri Samodera Utami
10:40 – 11:00 AM	Evita Purnaningrum	Convergent Parallel Design In Management Studies Based On Sentiment Analysis	Etis Sunandi
11:00 – 11:20 AM	Wayan Somayasa	Asymptotic test for model check in linear regression	Evita Purnaningrum
11:20 – 11:40 AM	-	-	-
11:40 AM – 12:00 PM	-	-	-

Statistics I  
Room 2  
PIC: Qurrotu'aini Kusuma Dewi

Time	Presenter	Title	Moderator
10:00 – 10:20 AM	Ahmad Rifan Ferdiyansyah	Identification of Land Use for Crops In Jawa Timur Province Based on Multispectral Imaging with Time-Weighted Dynamid Time Wrapping Approach	Halle Megan Lee Bata
10:20 – 10:40 AM	Elvira de Lara-Tuprio	Real-Time and Long-Term Forecasting Tools for Flood Management and Quick Response	Ahmad Rifan Ferdiyansyah
10:40 – 11:00 AM	Rosita Kusumawati	Hierarchical Risk Parity Portfolio Evaluation in Indonesia Stock Market	Elvira de Lara-Tuprio
11:00 – 11:20 AM	Syarifah Inayati	Exploring the Influence of Crisis and Financial Contagion on the Composite Index via a Markov Switching Bayesian Vector Autoregressive Approach	Rosita Kusumawati
11:20 – 11:40 AM	Halle Megan Lee Bata	Deep Learning Approaches in Interest Rate Forecasting	Syarifah Inayati
11:40 AM – 12:00 PM	-	-	-

Statistics II  
Room 4  
PIC: Naelufa Syifna WM

Time	Presenter	Title	Moderator
10:00 – 10:20 AM	Wayan Somayasa	Test for the adequacy of a multivariate nonparametric regression model with the multivariate Slepian field noise via likelihood ratio test	Evy Sulistianingsih
10:20 – 10:40 AM	Kadek Jemmy Waciko	ARIMA Based on Optimal Combination Approach for Hierarchical Forecasting Tourist Arrivals	Wayan Somayasa
10:40 – 11:00 AM	Muhammad Hasan Sidiq Kurniawan	Quadratic Model Approaches on the Survival Function for Change Point Detection using the Empirical Likelihood Ratio Test	Kadek Jemmy Waciko
11:00 – 11:20 AM	Pepi Novianti	Copula-Based Logistic Autoregressive Regression Modeling on Binomial Time Series Data	Muhammad Hasan Sidiq Kurniawan
11:20 – 11:40 AM	Evy Sulistianingsih	Delta Gamma (Theta) Normal Approximation in Risk Measurement of European Call Option	Pepi Novianti
11:40 AM – 12:00 PM	-	-	-