



Personal Info

Name : Darmanto, S.Si., M.Si.
 Functional position : Assistant Professor
 Structural position : Chief of Quality Assurance Unit of Department of Statistics
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 Course taught : 1. Actuarial Science
 2. Statistical Quality Control
 3. Industrial Statistics
 4. Linear Programming
 5. Research Operation
 6. Simulation Method
 7. Financial Mathematics

Education Background

Program	S1	S2
University	Universitas Brawijaya	Institut Teknologi Sepuluh Nopember
Department	Statistics	Statistics
Year of entry-graduation	2001-2005	2012-2017
Title of final project/thesis/dissertation	Handling Multicollinearity with Regression of Maximum Likelihood Regression and Principal Component Regression	Comparison of Fm and Vm Control Charts in Short-Run Production
Supervisor/Promotor	Prof. Dr. Ir. Loekito Adi Soehono, M.Agr. Sc. Dra. Ani Budi Astuti, M.Si.	Dr. Muhammad Mashuri, M.T.

Research Project

1. Development of Hidden Markov Model (HMM) Using Bayesian Approach on Rainfall Data for Climate Change Forecasting (2019)



2. Application of Adaptive Boosting on Bank Credit Collectivity Data (2019)
3. Analysis of Inhibiting Factors for Advanced Study UB Lecturers Hold Masters Degrees (2018)
4. Study of Survival Functions Based on Makeham and De Moivre Law: Relevance in Mortality Tables of Indonesia, Japan and United States (2018)
5. Effectiveness of Robust Control Chart Based on RMCD and MRCD as Outliers in Multivariate Data (2017)
6. RMCD Based Robust Control Chart as Outlier Detectors of Multivariate Data (2017)

Community Development Program

1. Understanding and Deepening of Descriptive Statistics Concepts, Combinatorial Analysis, and Opportunity Theory for Class XI Students in SMA Negeri 1 Glagah Banyuwangi (2019)
2. Statistics Monopoly for Junior High School Student Learning in Lamongan (2018)
3. Introduction to Statistical Analysis for Administrative Arrangement and Improvement of the Slumbung Village's Monographs towards an Orderly Independent Village (2017)
4. REML Method Training Using GENSTAT for Researchers at the Indonesian Citrus and Subtropical Fruit Research Institute (BALITJESTRO) Malang (2017)

Journal Publication

1. Application of Descriptive Statistics Analysis for Administrative Arrangement and Improvement of Slumbung Village Monographs towards an Orderly Independent Villages. JIAT (Journal of Innovation Applied Technology) Vol. 5 No. 1 (2019).
2. Reconstruction of Structural Flexibility And Acceptance Model (SFAM) in Green Marketing Mix Strategy. IOP Conference Series: Earth and Environmental Science (EES) Vol. 270 No. 1 (2019).
3. Biplot Analysis on Mapping of Coastal Object of South Traffic Line of Malang with Variable of Service Marketing Mix. IOP Conference Series: Earth and Environmental Science (EES) Vol. 270 No. 1 (2019).
4. The Consistency of Bootstrap Resampling in Structural Model With PLS-PM Approach: Technology Acceptance Model in Green Marketing Management Strategy. IOP Conference Series: Earth and Environmental Science (EES) Vol. 270 No. 1 (2019).



5. Modeling of Multigroup Based Structural Equations with Path Analysis Approach (Application in Green Marketing Strategy in Traditional and Modern Food in Indonesia). IOP Conference Series: Earth and Environmental Science (EES) Vol. 270 No. 1 (2019).
6. Two Step Cluster Analysis for Tourist Segmentation Coastal Object for Green Marketing Strategy. IOP Conference Series: Earth and Environmental Science (EES) Vol. 270 No. 1 (2019).
7. Smoothing Spline Nonparametric Path: Application for Green Product and Green Marketing Strategy towards Green Product Purchasing Intention. IOP Conference Series: Earth and Environmental Science (EES) Vol. 270 No. 1 (2019).
8. Performance Evaluation of Fm Control Charts in Short-Run Processes. PERFORMA: Media Ilmiah Teknik Industri Vol. 17 No. 1 (2018).
9. Application of Multivariate Robust Control Chart in Production Data of ZK Fertilizer in PT Petrokimia Gresik. PERFORMA: Media Ilmiah Teknik Industri Vol. 17 No. 1 (2018).
10. The Effectiveness of Robust RMCD Control Chart as Outliers' Detector. Journal of Physics: Conference Series Vol. 943 No.1 (2017).
11. Dynamic Mathematical Model of Urban Spatial Pattern (Residential Choice of Location) Mobility vs. Externality. Journal of Urban and Environmental Engineering Vol.9 No.1 (2015).

Scientific Paper Presentation in Conference / Scientific Seminar

1. The 9th Annual Basic Science International Conference (BaSIC). Controlling Quality of Yarn in PT Lotus Indah Textile Industries Using Multivariate Control Chart Based on James-Stein Estimator. Malang, 2019.
2. The 1st International Conference on Mathematics and Islam (ICMIs) 2018. Study of Survival Function Based on Makeham and de Moivre Laws: Relevance on Indonesian and Japanese Mortality Tables. Mataram, 2018.
3. The 8th Annual Basic Science International Conference (BaSIC). Monitoring UREA Production of PT Petrokimia Gresik Using Hotelling-T² Control Chart. Malang, 2018.
4. Seminar Nasional dan Workshop Matematika dan Pendidikan Matematika. Identification of the Characteristics of Quality Causes of ZK Fertilizer Production in PT. Gresik Petrochemicals Are Not Statistically Controlled with MYT Decomposition. Padang, 2018.



5. Seminar Nasional Matematika dan Terapan (SIMANTAP) 2017. Application of Multivariate Robust Control Chart in Production Data of ZK Fertilizer in PT Petrokimia Gresik. Lhokseumawe, 2017.
6. Seminar Nasional Matematika dan Terapan (SEMNASMANTAP) 2017. Performance Evaluation of Fm Control Charts in Short-Run Processes Based on ARL. Banjarbaru, 2017.
7. Ahmad Dahlan International Conference on Mathematics and Mathematics Education (AD INTERCOMME) 2017. The Effectiveness of RMCD's Robust Multivariate Control Chart as an Outlier Detector. Yogyakarta, 2017.
8. The 6th Annual Basic Science International Conference (BaSIC). Short-Run Robust Multivariate Control Chart with RMCD Basis. Malang, 2016.
9. Konferensi Nasional Matematika (KNM) XVII. Performance Evaluation of Multivariate Short-Run Robust Control Chart on Contaminated Data. Surabaya, 2014.

Textbook Publication

1. Analisis Multivariat (2017, UB Press)