



### Personal Info

Name : Dr. Eni Sumarminingsih, SSI, MM  
 Functional position : Assistant Professor  
 Structural position : Head of Laboratory of Basic Statistics  
 NIP/NIK : 197705152002122009  
 NIDN : 0015057701  
 E-mail : eni\_stat@ub.ac.id  
 Course taught : 1. Time Series Analysis  
 2. Optimization Technique  
 3. Econometrics  
 4. Categorical Data Analysis  
 5. Operation Research  
 6. Introduction to Probability Theory  
 7. Stochastic Process  
 8. Introduction to Set and Logic  
 9. Computational Statistics  
 10. Financial Statistics  
 11. Data Mining  
 12. Simulation Method

### Education Background

Program	S1	S2	S3
University	Institut Pertanian Bogor	Universitas Brawijaya, Malang	Institut Teknologi Sepuluh Nopember
Department	Statistics	Management	Statistics
Year of entry-graduation	1996-2000	2001-2003	2014-2019
Title of final project/thesis/dissertation	The Extent to Which Data that Has Lognormal Distribution can still Use F Test	Analysis of the Effect of Agency Cost and Transaction Cost on Dividend Policy	Spatial Vector Autoregressive Model with Calendar Variations and Its Application on Inflation and Money Supply Data in



			Surabaya, Malang, Kediri, and Jember
Supervisor/ Promotor	Prof. Dr. Ir. Andi Hakim Nasoetion	Prof. Dr. M. Harry Susanto, SE., SU	Dr. Ir. Setiawan, MS

### Research Project

1. Rainfall Modeling Using Spatial Vector Autoregressive Model for Flood and Drought Awareness (2020)
2. Autoregressive Spatial Vector Modeling with Exogenous Variables (Intervention and Calendar Variations) for Inflation and Money Supply in East Java (2020)
3. Implementation of Spatial Disaggregation Algorithm of Agricultural Land Values with R, to Support Mapping Changes in Agricultural Land Functions (2019-2020)
4. Parameter Estimation of Spatial Vector Autoregressive Models with Calendar Variations (2018)
5. Dynamic Spatial Panel Model of Agricultural Land Value, Case Study of Land Use in BoDeTaBek (2016-2017)
6. Analysis of the Impact of Land Use Externalities in BoDeTaBek on Conservation and Water Absorption Land: Spatial Tobit Model (2014-2015)
7. Vector Autoregressive to Study the Correlation Between Inflation Rate, Interest Rate and Money Supply (2013)
8. Determination of Distance for Spatial Effects of Land Use Externalities in Bodetabek (2013)
9. Analysis of the Effect of World Oil Prices on the Inflation in Indonesia Using Autoregressive Distributed Lag (2012)
10. Comparison of Ordinary Least Square, Maximum Likelihood Estimation, and Bayesian Method in Estimating the Parameters of AR(p) (2011)
11. Modeling World Oil Prices Using Smooth Transition Autoregressive (STAR) (2010)
12. Multiple Threshold Transfer Function Model (2009)
13. Determination of Transition Variables in the Smooth Transition Autoregressive (STAR) Model in World Oil Price Modeling (2008)

### Community Development Program

1. Website Development Assistance to Improve the Quality of the Information System in Krisik Village, Gandusari District, Blitar (2020)



2. Descriptive Statistics Data Analysis Training and Average Similarity Test Using Microsoft Excel for Teachers of Madyopuro I Elementary School to Support Teacher Professionalism in Classroom Action Research (2013)
3. Introduction to Statistical Analysis for Data Handling in Ngajum District, Malang Regency (2012)
4. Descriptive Statistics Data Analysis Training Using Microsoft Excel for Village Officials in Wajak District to Support Information Availability (2011)
5. Population Information System and Descriptive Statistics Analysis of Batu District, Batu City (2010)
6. Application of Associative Analysis in Classroom Action Research Implementation in several Schools in the Batu City Education Office (2009)
7. Information System for Agriculture, Plantation, and Animal Husbandry and Statistics Descriptive Analysis in Srengat District, Blitar Regency (2008)
8. Agricultural and Population Information System Training in Tumpang District (2007)

#### Journal Publication

1. Modeling Inflation and Money Supply using Spatial Vector Autoregressive Model with Calendar Variation: Restricted vs. Non-restricted Coefficient. IOP Conference Series: Materials Science and Engineering Vol. 546 No. 5 (2019).
2. Simulation Study to Evaluate Full Information Maximum Likelihood as Parameter Estimation Methods for Spatial Vector Autoregressive Model with Calendar Variation. Journal of Physics: Conference Series Vol. 1097 No. 1 (2018).
3. Modeling inflation and money supply using spatial vector autoregressive (1,1). AIP Conference Proceedings Vol. 2021 No. 1 (2018).
4. Spatial Vector Autoregressive Model with Calendar Variation for East Java Inflation and Money Supply. Applied Mathematics and Information Sciences Vol. 12 No. 6 (2018).
5. Spatial panel dynamic econometrics model of land value: case study of land use externalities and their dynamic in the Jakarta's fringe. International Journal of Agricultural and Statistical Sciences Vol. 13 No. 2 (2017).
6. The dynamic and indirect spatial effects of neighborhood conditions on land value, spatial panel dynamic econometrics model. AIP Conference Proceedings Vol. 1842 No. 1 (2017).



7. Spatio–Temporal Analysis of Inflation Rate in East Java, Indonesia: Vector Autoregressive Approach. *International Journal of Applied Mathematics and Statistics* Vol. 53 No. 5 (2015).
8. Spatial Extent of Land Use Externalities in Jakarta Fringe: Spatial Econometric Analysis. *Review of Urban & Regional Development Studies* Vol. 27 No. 3 (2015).
9. Determination of Spatial Extent of Land Use in Fringe of Jakarta Metropolitan: A Semi Variogram Analysis. *Theoretical and Empirical Researches in Urban Management* Vol. 10 No. 1 (2015).
10. The Dynamic Of Spatial Extent Of Land Use In The Fringe Of Jakarta Metropolitan:A Semivariogram Analysis. *APCBEE Procedia* Vol. 10 (2014).
11. Vector Autoregressive for Assesing Relationship Between Inflation, Interest Rate And Money Supply. *International Journal of Applied Mathematics & Statistics* Vol. 51 No. 21 (2013).
12. Pemodelan Threshold Vector Autoregressive (TVAR) Untuk Kurs Jual dan Kurs Beli Euro. *Jurnal Keuangan dan Perbankan* Vol. 13 No. 2 (2011).
13. Pemodelan Harga Minyak Dunia Menggunakan Smooth Transition Autoregressive (STAR). *Jurnal Keuangan dan Perbankan* Vol. 12 No. 12 (2010).

#### Scientific Paper Presentation in Conference / Scientific Seminar

1. The 9<sup>th</sup> Annual Basic Science International Conference. Modeling Inflation and Money Supply using Spatial Vector Autoregressive Model with Calendar Variation: Restricted vs. Non-restricted Coefficient. Malang-Indonesia, March 20-21, 2019.
2. The 5<sup>th</sup> International Conference on Research, Implementation and Education of Mathematics and Sciences (ICRIEMS). Simulation Study to Evaluate Full Information Maximum Likelihood as Parameter Estimation Method for Spatial Vector Autoregressive Models with Calendar Variation. Yogyakarta-Indonesia, May 7-8, 2018.
3. The 8<sup>th</sup> Annual Basic Science International Conference. Modeling Inflation and Money Supply using Spatial Vector Autoregressive. Malang-Indonesia, March 6-7, 2018.
4. International Conference on Theory and Application Statistics. Spatio-Temporal Analysis of Inflation Rate: Vector Autoregressive Approach with Calendar Effect. Surabaya-Indonesia, October 2016.
5. 2<sup>nd</sup> Regional Conference on Applied and Engineering Mathematics. A Comparison of Theil Estimator and M Huber Estimator to Estimate the Slope of Simple Linear Regression. Penang-Malaysia, May 2012.

Staff Curriculum Vitae  
Department of Statistics  
Faculty of Mathematics and Natural Sciences  
Universitas Brawijaya



6. Seminar Nasional Basic Science VI. Penentuan Variabel Transisi pada Model Smooth Transition Autoregressive (STAR) dalam Pemodelan Harga Minyak Dunia. Malang-Indonesia, February, 2009.