



### Personal Info

Name : Prof. Dr. Ir . Ni Wayan Surya Wardhani, MS  
 Functional position : Professor  
 Structural position : -  
 NIP/NIK : 19551102 198103 2001  
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 Course taught : 1. Scientific Research and Writing Method  
 2. Non-parametric Statistics  
 3. Sampling and Survey Technique  
 4. Regression Analysis  
 5. Biometrics

### Education Background

Program	S1	S2	S3
University	Universitas Brawijaya	Institut Pertanian Bogor	Univiversitas Airlangga
Department	Entomology	Applied Statistics	Mathematics and Natural Sciences
Year of entry-graduation	1974-1984	1985-1987	2000-2004
Title of final project/thesis/dissertation	Effect of spraying of Sevin insecticide on the population of <i>Nilaparvata lugens</i>	Sampling simulation studies based on population density types and pest distribution patterns	Modeling the pest power of <i>Plutella xylostella L.</i> in cabbage to determine the chemical control time
Supervisor/Promotor	Ir. Baskoro Winarno	Dr. Ir. Barizi, MES	Prof. Susanti Linuwih, Ph.D

### Research Project

1. A Population Detection System of *Plutella xylostella* in *Brassica oleracea L.* Using Photo Imagery (2019)
2. Design of The Suitability Test System of Potato Land (3<sup>rd</sup> Year) (2019)



3. Design of The Suitability Test System of Potato Land (2<sup>nd</sup> Year) (2018)
4. Design of The Suitability Test System of Potato Land (1<sup>st</sup> Year) (2017)
5. Least Absolute Shrinkage and Selection Operator Method for Parameter Estimation of Linier Regression Model (2017)
6. Comparison of Ordinary Least Squares (OLS) and Restricted Maximum Likelihood (REML) at The Estimation of Mixed Model Variance Components (2016)
7. The Relationship between Population Density and Frequency Spraying of the Insecticide on Cabbage Production (2015)
8. Mapping Food Security and Vulnerability in East Java Province with Geographic Information System Approach (2013)

#### Community Development Program

1. DM: Redesign Study of the Kidal Temple Area and Environmental Sanitation to Support the Rejokidal Realization of a Culture-Independent Village (2019)
2. Enrichment of Data Analysis in Classroom Action Research Using Microsoft Excel for Teachers of Islamic Elementary School in Madrasah Working Groups in Wajak District, Malang Regency (2019)
3. Microsoft Excel Optimization in Classroom Action Research for Teachers of Tanjung Kanal Elementary School, Mangaran District, Situbondo Regency (2018)
4. DM: Promotion Strategy for Batik Tulis Malang as Archipelago's Cultural Products (2017)
5. REML Method Training Using Genstat for Balitjestro Researchers (2017)
6. Data Analysis Training in Malang Agriculture Department (2016)
7. Statistics Analysis Training for Handling Data to Improve Information Quality (2016)

#### Journal Publication

1. Modeling Academic Performance of the Students by Using Partial Least Square. International Journal of Recent Technology and Engineering (IJRTE), Vol-X, Issue-X, ISSN:2277-3878. (2019)
2. Generalized Linear Autoregressive Moving Average (GLARMA) Negative Binomial Regression Model with Metropolis Hasting Algorithm. IOP Conference Series: Materials Sciences and Engineering, 546(5), 052023. (2019)
3. Zero Inflation Proportion Performance in Zero-inflated Regression. E-Jurnal Matematika, Vol. 7(1). (2018)



4. Modeling Tetanus Neonatorum Case Using the Regression of Negative Binomial and Zero-inflated Negative Binomial. *Journal of Physics: Conference Series*, 943(1), 012051. (2017)
5. Modelling Multi Input Transfer Function for Rainfall Forecasting in Batu City. *Cauchy-Jurnal Matematika Murni dan Aplikasi*, Vol.5 (1). (2017)
6. The Efficiency of Curve Regression Using Linier and Quadratic Truncated Spline for Estimated Growth Curve of Green Beans. *International Journal of Control Theory and Applications*, Vol.10 No. 2. (2017)
7. Multigroup Moderation Test in Generalized Structured Component Analysis. *Cauchy*, Vol. 4 No. 2. (2016)
8. Richards Model to Determine the Height Growth Rate of Mung Bean Plant. *Journal of Degraded and Mining Lands Management*, Vol. 2. (2015)
9. Food Security and Vulnerability Modelling of East Java Province Based On Geographically Weighted Ordinal Logistic Regression Semiparametric (GWOLRS) Model. *Journal of Degraded and Mining Lands Management*, Vol. 2. (2014)

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

1. International Conference on Computer, Control, Informatics and its Applications. Cross-validation Metrics for Evaluating Classification Performance on Imbalanced Data. Tangerang, 2019.
2. Universal Academic Cluster (UAC) International Conference. Land Suitability of Potato Plants Using Fuzzy Inference System Based on Geographic Information System. Bangkok, 2018
3. International Conference on Biological Engineering and Natural Sciences. Describing Growth Pattern of Tomato Plants Using MMF and Gompertz Model. Singapore, 2015
4. International Conference on Advances and Environmental Engineering. Richards Model to Determine the Height Growth rate of Mung Bean Plant. Kuala Lumpur, Malaysia, 2014.

#### Textbook Publication

1. Introduction to Statistical Method (2019, Tunas Mandiri Press)
2. Dasar Statistika Untuk Ilmu Pertanian. Edisi revisi (2017, Tunas Mandiri Press)
3. Dasar-dasar Metode Penarikan Contoh (2009, Tunas Mandiri Press)



## Awards

1. Satyalancana Karya Satya 30 Tahun from the President of the Republic of Indonesia, 2018