



Personal Info

Name : Dr. Solimun, Ir., MS.
 Functional position : Associate Professor
 Structural position : Head of Laboratory of Socio-economic Statistics
 NIP/NIK : 19611215 198703 1002
 NIDN : 15126108
 E-mail : solimun@ub.ac.id
 Course taught : 1. Multivariate Analysis
 2. Linear Model
 3. Research Methodology
 4. Basic Statistics
 5. Computational Statistics

Education Background

Program	S1	S2	S3
University	Universitas Brawijaya Malang	Institut Pertanian Bogor	Universitas Airlangga
Department	Agronomy	Applied Statistics	Sciences
Year of entry- graduation	1981-1986	2000-2003	1992-1997
Title of final project/thesis/ dissertation	Methods and Effects of Spraying Pollen on Artificial Crosses of Cane Varieties (<i>Saccharum officinarum L.</i>)	ESS Analysis on Wereng Pest Data	Development of Mathematical Model of Weed Competition - Shallot Biometry Approach
Supervisor/ Promotor	Ir. Subur Djatiwaluyo	Dr. Aunuddin	Prof. Soeparmo

Research Project

1. Reconstruction of Structural Flexibility and Acceptance Model (SFAM) Based on Disruption Innovations in Social Humanities and Education (Second Year) (2019)
2. Development of Path Analysis Estimation Based on Nonparametric Regression in Vegetative Growth Modeling and Porang Bulbs Production (Third Year) (2019)



3. Reconstruction of Structural Flexibility and Acceptance Model (SFAM) Based on Disruption Innovations in Social Humanities and Education (First Year) (2018)
4. Development of Path Analysis Estimation Based on Nonparametric Regression in Vegetative Growth Modeling and Porang Bulbs Production (Second Year) (2018)
5. Development of Path Analysis Estimation Based on Nonparametric Regression in Vegetative Growth Modeling and Porang Bulbs Production (First Year) (2017)
6. Parameter Estimator Efficiency in Latent Variable Path Analysis with Scale Data Using SRS and MSI Transformations (2017)
7. Bayesian Zero Inflated Gamma (ZIG) Model (2016)

Community Development Program

1. Empowerment of Qualified Village Apparatuses and Superior Coffee Farmers through Statistics, Computing and Coffee Training Towards the Advanced, Independent and Self-Sufficient Villages (2018)
2. Study Group: Strengthening Statistics Modeling in Management (Second Year) (2018)
3. Refreshing Data Analysis Using Microsoft Excel for Teachers of Miftahul Huda Foundation (Islamic Elementary School & Junior High School) Wajak, Malang Regency (2018)
4. Study Group: Strengthening Statistics Modeling in Management (Second Year) (2017)
5. Mapping the Potential of Bendosari Village Based on Multivariate Explorative (2017)
6. Spatial Analysis Training for Teaching Staff at Central Sulawesi Universities (2017)
7. Refreshing Research Methodology Through Data Analysis Workshop Using Microsoft Excel for Teachers of State Junior High School 2 Pagak, Malang Regency (2016)

Journal Publication

1. The relationship between audit quality and risk taking toward value creation in Indonesia. *Journal of Accounting in Emerging Economies* Vol. 9 No. 2. (2019)
2. Sustaining innovation and change in government sector organizations: Examining the nature and significance of politics of organizational learning. *Journal of Strategy and Management* Vol. 12 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* Vol. 239. (2018)



4. Reconstruction of Structural Flexibility and Acceptance Model (SFAM) in Green Marketing Mix Strategy. IOP Conference Series: Earth and Environmental Science Vol. 239. (2018)
5. 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 Vol. 239. (2018)
6. Two Step Cluster Analysis for Tourist Segmentation Coastal Object for Green Marketing Strategy. IOP Conference Series: Earth and Environmental Science Vol. 239. (2018)
7. 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 Vol. 239. (2018)
8. Smoothing Spline Nonparametric Path: Application for Green Product and Green Marketing Strategy towards Green Product Purchasing Intention. IOP Conference Series: Earth and Environmental Science Vol. 239. (2018)
9. The influence of organizational culture and job design on job commitment and human resource performance. Journal of Organizational Change Management Vol. 31 No. 7. (2018)
10. The mediating effect of work motivation on the influence of job design and organizational culture against HR performance. Journal of Management Development Vol. 37 No. 6. (2018)
11. The estimation of time-varying risk in asset pricing modelling using B-Spline method. Journal of physics: Conference Series Vol.943 No.1. (2018)
12. The importance of open government data for the private sector and NGOs in Indonesia. Digital Policy, Regulation and Governance Vol. 20 No. 4. (2018)
13. The Mediation Effect of Customer Satisfaction in Relationship between Service Quality, Service Orientation and Marketing Mix Strategy to Customer Loyalty. Journal of Management Development Vol. 37 No. 1. (2018)
14. Comparison of Spline Estimator at Various Levels of Autocorrelation in Smoothing Spline Nonparametric Regression For Longitudinal Data. Communications in Statistics – Theory and Methods Vol.46 No.24. (2018)
15. The Efficiency of Parameter Estimation of Latent Path Analysis Using Summated Rating Scale. AIP Conference Proceedings, pp1-8 Vol.1913 No.020037. (2017)



16. Estimation of Spline Function in Nonparametric Path Analysis Based on Penalized Weighted Least Square (PWLS). AIP Conference Proceedings, pp1-9 Vol.1913 No. 020030. (2017)
17. Moderating effects orientation and innovation strategy on the effect of uncertainty on the performance of business environment. International Journal of Law and Management Vol. 59 No. 6. (2017)
18. Investigation the instrument validity: consistency between criterion validity and unidimensional validity (Case Study in management research). International Journal of Law and Management Vol. 59 No. 6. (2017)
19. The mediating effect of strategic orientation and innovations on the effect of environmental uncertainties on the performance of business in the Indonesian aviation industry. International Journal of Law and Management Vol. 59 No. 6. (2017)
20. Investigation the mediating variable: What Necessary? (Case Study in Management Research). International Journal of Law and Management Vol. 59 No. 6. (2017)
21. The Effect of OCB In Relationship Between Personality, Organizational Commitment and Job Satisfaction to Performance. Journal of Management Development Vol. 36 No. 10. (2017)
22. Comparison of Spline Estimator at Various Levels of Autocorrelation in Smoothing Spline Nonparametric Regression for Longitudinal Data. Communications in Statistics – Theory and Methods. (2017)
23. The Efficiency Of Curve Regression In Semiparametric Smoothing Spline Regression Models With And Without Penalty. International Journal of Control Theory and Applications Vol. 10 No. 1. (2017)
24. The Comparison of Spline Estimators in the Smoothing Spline Nonparametric Regression Model Based on Weighted Least Square (WLS) and Penalized Weighted Least Square (PWLS) in Longitudinal Data (A Study on the Growth of 0-2 Years Old Babies in Indonesia). International Journal of Control Theory and Applications Vol. 10 No. 1. (2017)
25. Multi-Response Linear Mixed Model (MLMM) for Longitudinal Data: Modelling Agricultural Waste: Plant Rice Straw, Clove Leaf And Water Hyacinth. International Journal of Chemtech Vol. 9, No 11, pp (104-112). (2016)
26. Multi-responses Model in Patients Suffering from Decubitus Wound Using Generalized Penalized Spline. International Journal of Pharmtech Vol. 9, No 9, pp (488-497). (2016)



27. Modeling of Multi-Response Longitudinal Data Using Linear Mixed Model in Patient with Pulmonary Tuberculosis in Syaiful Anwar Hospital Malang. International Journal of Pharmtech Vol. 9, No 9, pp (477-487). (2016)
28. The Mediation Effect on Interleukin-6 and Cortisol in Hippocampus in relationship between Interleukin-6 and Cortisol in plasma to effect of psychological stressor on serotonin transporter (SERT) distribution and apoptotic index of hippocampus. International Journal of Chemtech Vol. 9, No 9, pp (104-112). (2016)

Scientific Paper Presentation in Conference / Scientific Seminar

1. Annual Basic Science International Conference 2019. Paper 1: Comparison Of Curve Estimation Of The Smoothing Spline Nonparametric Function Path Based On PLS And PWLS In Various Levels Of Heteroscedasticity, Paper 2: Mixed Second Order Indicator Model: The First Order Using Principal Component Analysis and The Second Order Using Factor Analysis. Malang, March 20-21, 2018.
2. International Interdisciplinary Studies. Paper 1: Comparison of the Use of Bootstrap and Jackknife Resampling in Structural Model With PLS-PM Approach, Paper 2: Smoothing Spline Nonparametric Regression in Various Level of Heteroscedasticity Error Variance. Malang, November 13-14, 2018.
3. International Symposium on Education, Psychology and Social Sciences. Nonparametric Path Analysis Based on Smoothing Spline. Tokyo, September 7-8, 2018.
4. XI National Mathematics Conference, Universitas Brawijaya 2018. Comparison of the Use of Uniform and Gaussian Kernels in Nonparametric Regression of Local Polynomial Biresponses Kernel. Malang, July 23-24, 2018.
5. SEMIRATA and ICST 2018. Nonparametric Path Analysis of Linear and Quadratic Orders. Medan, May 4-6, 2018.
6. International Conference & Workshop on Mathematical Analysis and Its Application. The Comparison of Spline Estimators in the Smoothing Spline Nonparametric Regression Model Based on Weighted Least Square (WLS) and Penalized Weighted Least Square (PWLS) in Longitudinal Data (A Study on the Growth of 0-2 Years Old Babies in Indonesia). Malang, August 2-3, 2017.
7. The 7th Annual Basic Science International Conference 2017. Paper 1: The Effect of Heteroscedasticity Error Variance Level in Smoothing Spline Nonparametric Regression, Paper 2: The Parameter Estimation Efficiency of Path Analysis Using



Summarated Rating Scale dan Rasch Model for Transformational of Score to Scale.
Malang, March 7-8, 2017.

8. National Mathematics Conference. Paper 1: Reproducing Hilbert Space Kernel in Biresponses Nonparametric Regression Model for Longitudinal Data, Paper 2: Development of Non-Linear Principal Component Analysis Model in Formative Indicator Measurement of Mixed Scale. Riau, November 2-5, 2016.

Textbook Publication

1. Pemodelan Statistika pada Analisis Survival dan Analisis Reliabilitas (2016, UB Press)
2. Metode Statistika Multivariat Pemodelan Persamaan Struktural (SEM) Pendekatan Warppls (2017, UB Press)
3. Metode Penelitian Kuantitatif Perspektif Sistem (2018, UB Press)
4. Analisis Multivariat Teori dan Aplikasinya dengan SAS (2018, UB Press)
5. Metode Statistika Multivariat: General Structural Component Analysis (GSCA), Pemodelan Persamaan Struktural (SEM) (2019, UB Press)

Patent and Protected Rights

1. No. EC00201813511, May 22, 2018. Intellectual Property Rights of Statistical Modeling in Reliability and Survival Analysis.
2. No. EC00201848925, December 27, 2018. Intellectual Property Rights of Multivariate Statistical Methods: Structural Equation Modeling (SEM) with WarpPLS Approach.
3. No. EC00201933541, January 15, 2019. Intellectual Property Rights of Structural Equation Modeling (SEM) Lisrel and Amos: Management Applications, Development Economics.