



STAFF HANDBOOK

**BACHELOR OF STATISTICS STUDY PROGRAM
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
MULAWARMAN UNIVERSITY**

PREFACE

Praise and gratitude are extended to God Almighty for His blessings and grace, which have enabled the successful preparation and completion of this *Staff Handbook* for the Undergraduate Program in Statistics, Faculty of Mathematics and Natural Sciences, Universitas Mulawarman.

This handbook is not merely a compilation of academic staff curricula vitae, but also a reflection of their dedication and achievements in fulfilling their roles, responsibilities, and functions within the Undergraduate Program in Statistics. It contains comprehensive information on academic competencies, areas of expertise, research experiences, publications, and collaborative efforts of the academic staff.

This handbook is expected to serve as a valuable source of information for students in selecting academic advisors and finding inspiration for their research topics. Furthermore, it may serve as a reference for colleagues and institutional partners in fostering cooperation and productive collaboration.

We acknowledge that this document still has limitations and will continue to be refined in line with evolving needs and applicable regulations. Therefore, constructive feedback and suggestions from all members of the academic community are highly appreciated for its future improvement.

Finally, we would like to express our sincere gratitude to all parties who have contributed to the preparation of this *Staff Handbook*. We hope this document will serve as a useful guide and make a positive contribution to the advancement of the Undergraduate Program in Statistics at Universitas Mulawarman.

Samarinda, June 2025

Editorial Team

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CURRICULUM VITAE

Name	<i>Sifriyani</i>		
Post	<i>Full Professor Of Statistics (Nonparametric Regression and Spatial Statistics)</i>		
Academic career	<i>Doctorate (Mathematics)</i>	<i>Gadjah Mada University</i>	<i>2018</i>
	<i>Master's (Statistics)</i>	<i>Institut Teknologi Sepuluh Nopember</i>	<i>2007</i>
	<i>Undergraduate degrees (Mathematics Education)</i>	<i>Universitas Negeri Makassar</i>	<i>2004</i>
Employment	<i>Lecturer Of Statistics</i>	<i>Faculty Mathematics and Natural Science (FMIPA) of Mulawarman University</i>	<i>2008 - present</i>
Research and development projects over the last 5 years	1. (Head of Team) Development of a Spatio-Temporal Model in Machine Learning-Based Nonparametric Regression and Digitalization of Food Price Prediction to Strengthen Food Security (Continuation). (RISTEKDIKTI/DRTPM) (2024) 104.100.000. 2. (Head of Team) Estimation and Hypothesis Testing of the Nonparametric Geographically Temporally Weighted Regression Model using a Spline Approach. (PNBP) (2024) 9.300.000 The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6654491/?view=researches		
Industry collaborations over the last 5 years	Statistics Corner Coordinator – Collaboration with Statistics Indonesia (Badan Pusat Statistik/BPS) Year: 2021–present Project: Establishment and Development of "Statistics Corner" (Pojok Statistika) at Mulawarman University Role: Coordinator Partner: Statistics Indonesia (BPS)		
Patents and proprietary rights	1. Computational Application in R for Geographically Weighted Spline Nonparametric Regression in Spatial-Based Food Data Analysis, Intellectual Property Rights (HKI) 2024 2. Computer Program for Improved Geographically Weighted Panel Regression (I-GWPR), Intellectual Property Rights (HKI) 2024 3. Data Analysis Module Using R, Intellectual Property Rights (HKI) 2024 4. R-Shiny Dashboard: I-Regs (Internet-Based Regression Analysis), Intellectual Property Rights (HKI) 2023 5. Computational Program for Geographically Temporally Weighted Regression with Improved Spatial-Timeseries Distance Function, Intellectual Property Rights (HKI) 2023 The history of proprietary rights can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6654491/?view=iprs		
Important publications over the last 5 years	Nonparametric spatio-temporal modeling: Contruction of a geographically and temporally weighted spline regression • SINTA: Profil SINTA • Scopus: Profil Scopus • Google Scholar: Profil Google Scholar		
Activities in specialist bodies over the last 5 years	• Editor-in-Chief of Jurnal Ekspansional, Mulawarman University (2023–present) • Reviewer for research proposals at LP2M (Institute for Research and Community Service), Mulawarman University (2023–present) • Active Member of FORSTAT (Forum Pendidikan Tinggi Statistika Indonesia) (2019–present)		

CURRICULUM VITAE

Name	Suyitno		
Post	Associate Professor of Statistics		
Academic career	Doctorate (Statistics)	Institut Teknologi Sepuluh Nopember (ITS) Surabaya	2017
	Master's Degree (Industrial Mathematics)	Universitat Kaiserslautern Gemarny	2001
	Undergraduate Degree (Mathematics Education)	Universitas Terbuka, Jakarta	1995
Employment	Lecturer Faculty of Mathematics and Natural Sciences	Mulawarman University	2004-Now
Research and development projects over the last 5 years	1. Penerapan Model Geographically Weighted Poisson Regression Pada Pemetaan Kasus Kusta Anak di Kalimantan Berdasarkan Faktor Yang Berpengaruh Sebagai Upaya Penguatan Pengetahuan Berperilaku Hidup Sehat (2024), 9 Million. 2. Analisis Potensi Pencemaran Air Sungai Mahakam di Lingkungan Hutan Tropis Lembap Kalimantan Timur Menggunakan Model Regresi Weibull. (2022), 17.5 Million. The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6039220/?view=researches		
Industry collaborations over the last 5 years	1. Samarinda City Price Monitoring Survey (2014-now), Partner: Bank Indonesia 2. Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia		
Patents and proprietary rights	Computer Program Script for Modeling Leprosy Cases in Children in Indonesia in 2023 Using Geographically Weighted Poisson Regression (GWPR) Proprietary rights 2024 The history of proprietary rights can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6039220/?view=iprs		
Important publications over the last 5 years	1. Suyitno, Darnah, Dani, A.T.R. and Oktavia, N.T., 2025. Modeling the hospitalization time of stroke patients at Abdul Wahab Sjahranie Hospital Samarinda using the Weibull Regression. <i>MethodsX</i>, 14 (2025):103082, p. 1-14. https://www.sciencedirect.com/science/article/pii/S2215016124005338 2. Miranda, A., Suyitno, S. and Fauziyah, M., 2025. Modelling the Probability of River Water Pollution Using Geographically Weighted Logistic Regression Model (Case Study: River Water DO Data in East Kalimantan). <i>Jurnal Matematika, Statistika dan Komputasi</i>, 21(2), pp.408-430. http://journal.unhas.ac.id/index.php/jmsk/article/view/40346 • SINTA: Profil Sinta Suyitno • Scopus: Profil Scopus Suyitno • Google Scholar: Profil Google Scholar Suyitno		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Membership without a specific role need not be mentioned		

CURRICULUM VITAE

Name	Sri Wahyuningsih		
Post	Associate Professor of Statistics		
Academic career	Doctorate (Mathematics/Statistics interest)	Institut Teknologi Bandung	2010
	Master (Mathematics/Statistics interest)	Institut Teknologi Bandung	2001
	Undergraduate degree (Mathematics/ statistics interest)	Universitas Indonesia	1993
Employment	Lecturer of Statistics	Faculty of Mathematics and Natural Sciences, Universitas Mulawarman	2001 - now
Research and development projects over the last 5 years	1. Hotspot Forecasting in East Kalimantan with Kalman Filter, 2019, 22.5 million 2. Time Series Analysis of Oil Palm Production in East Kalimantan, 2020, 12 million 3. Application of Hybrid Transfer Function Model – Neural Network and Fourier Series for Reference Coal Price Forecasting, 2023, 11 million The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6171425/?view=researches		
Industry collaborations over the last 5 years	Samarinda City Price Monitoring Survey, 2019-2025, 180 million/year		
Patents and proprietary rights	Module of Data Analysis With R	EC002024207257	2024
	R Program Script: Robust M-Estimator Method for Panel Data Regression Models	EC002024207308	2024
	The history of proprietary rights can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6171425/?view=iprs		
Important publications over the last 5 years	1. Rambung, G.N., Wahyuningsih, S., Dani, A.T.R. (2024). Forecasting Search Trends for “Silverqueen” Chocolate Keywords using the Singular Spectrum Analysis Method and the Hybrid Singular Spectrum Analysis-ARIMA Model. Science & Technology Asia Volume 29 No. 4. 75-87. https://ph02.tci-thaijo.org/index.php/SciTechAsia/article/view/254348/171580 2. Wahidah, F.H., Wahyuningsih, S., Siringoringo, M. (2024). Forecasting the Value of Indonesia’s Exports using Model Hybrid Arimax-NN. Science & Technology Asia, Volume 29 No. 4.62-74. https://ph02.tci-thaijo.org/index.php/SciTechAsia/article/view/255095/171579 • SINTA: Profil SINTA Sri Wahyuningsih • Scopus: Profil Scopus Sri Wahyuningsih • Google Scholar: Profil Google Scholar Sri Wahyuningsih		
Activities in specialist bodies over the last 5 years	FORSTAT (Statistics Higher Education Forum)	Member	2022-2024
			2024-2026

CURRICULUM VITAE

Name	Syaripuddin		
Post	Associate Professor of Applied Mathematics		
Academic career	Bachelor's Degree (Mathematics)	Universitas Hasanuddin	1998
	Master's Degree (Mathematics)	Institut Teknologi Bandung	2000
	Doctoral's Degree (Mathematics)	Universitas Airlangga	2018
Employment	Lecturer Faculty of Mathematics and Natural Sciences	Mulawarman University	2000
Research and development projects over the last 5 years	1. Optimal Portfolio with the Application of Quadratic Programming of Interval Coefficients as the Basis for Investment Decisions, year 2022, Rp. 8.600.000,- 2. Application Of Game Theory And Markov Chain For Strategy Optimization Towards E-Wallet Competition In Samarinda City, Year 2024, Rp. 9.350.000,00 The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6732678/?view=researches		
Industry collaborations over the last 5 years	3. Samarinda City Price Monitoring Survey (2014-now), Partner: Bank Indonesia 4. Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia		
Patents and proprietary rights	Hill Cipher Algorithm Program Using Two Keywords and 94 ASCII Characters 2022 The history of proprietary rights can be viewed at the following SINTA link https://sinta.kemdikbud.go.id/authors/profile/6732678/?view=iprs		
Important publications over the last 5 years	1. Syaripuddin, Amijaya, F.D.T., Wasono, Tulzahrah, S., Suciati. 2024. Application Of Quadratic Programming On Portfolio Optimization Using Wolfe's Method And Particle Swarm Optimization Algorithm. BAREKENG: 2. Amijaya, F.D.T., Syaripuddin, A'yun, Q.Q., Nasution, Y.N., Wasono, Huda, M.N. 2022. Hill Cipher algorithm using two keywords and 94 ASCII characters. AIP Conf. Proc. 2668, 050006 (2022) 3. Wasono Wasono; Syaripuddin Syaripuddin; Darnah Andi Nohe. Analysis of Service Provider Marketing Strategy in Achieving Customer Loyalty Using Game Theory for Senior High School Students in Samarinda CityAIP Conf. Proc. 2668, 050006 (2022) • SINTA: Profil SINTA Syaripuddin • Scopus: Profil Scopus Syaripuddin • Google Scholar: Profil Google Scholar Syaripuddin		
Activities in specialist bodies over the last 5 years	Indonesian Mathematics Society	Member	2018 – present

CURRICULUM VITAE

Name	Darnah		
Post	Associate Professor of Statistics		
Academic career	Doctorate (Statistics)	Universitas Airlangga	2019
	Master's Degree (Statistics)	Institut Teknologi Sepuluh Nopember	2007
	Undergraduate Degree (Mathematics)	Universitas Hasanuddin	2002
Employment	Lecturer Faculty of Mathematics and Natural Science	University of Mulawarman	2005 until present
Research and development projects over the last 5 years	1. Development of Multipredictor Local Linear Poisson Nonparametric Regression as an Effective Model for Addressing Stunting and Child Parenting Based on Local Community Wisdom (2024). 102.23 million IDR. 2. Development of Composite Material Based on Eggshell Waste (ES) and Titanium Dioxide (TiO₂) as an Adsorbent for Water Purification (2024). 129.33 million IDR. 3. Application of Geographically Weighted Poisson Regression in Mapping Leprosy Cases in Kalimantan Based on Influencing Factors as an Effort to Strengthen Health Behavior Awareness (2024). 9.35 million IDR. 4. Application of Game Theory and Markov Chain for Optimizing Strategies in E-Wallet Competition in Samarinda City (2024). 9.35 million IDR The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6729549/?view=researches		
Industry collaborations over the last 5 years	1. Samarinda City Price Monitoring Survey (2014-now), Partner: Bank Indonesia, 2. Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia, 3. East Kalimantan Province Livestock Productivity Study Survey (2024), Partner: East Kalimantan Province Livestock and Animal Health Agency. 4. Bontang City Integrated Housing Data Collection (2024), Partner: Bontang City Regional Development Planning, Research, and Innovation Agency.		
Patents and proprietary rights	Computer Program Script for Modeling Stunting Cases in Indonesia Using Local Linear Poisson Regression Proprietary rights 2024 The history of proprietary rights can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6729549/?view=iprs		
Important publications over the last 5 years	1. Locally kernel weighted maximum likelihood estimator for local linear multi-predictor poisson regression. METHODX. 14(103082) 2. Modeling the hospitalization time of stroke patients at Abdul Wahab Sjahranie Hospital Samarinda using the Weibull Regression Model. METHODX. 14(103082) • SINTA: Profil Sinta Darnah • Scopus: Profil Scopus Darnah • Google Scholar: Profil Google Scholar Darnah		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Membership without a specific role need not be mentioned		

CURRICULUM VITAE

Name	M. Fathurahman
Position	Associate Professor of Statistics
Academic career	Doctorate (Statistics) Institut Teknologi Sepuluh Nopember 2020
	Master's Degree (Statistics) Institut Teknologi Sepuluh Nopember 2008
	Undergraduate Degree (Statistics) Universitas Gadjah Mada 2002
Employment	Lecturer of Statistics Mulawarman University 2005 - present
Research and development projects over the last 5 years	1. Estimation and Hypothesis Testing of Nonparametric Geographically Temporally Weighted Regression Spline Models (2024). 9.3 Million. 2. Infographic Design Assistance with Statistics and Data Science for Students of MAN 1 Samarinda City (2024). 6 Million. 3. Modeling of Crime Problems in Indonesia as an Effort to Capture SDGs Target 16 "Peace, Justice, and Strong Institutions" with Nonparametric Spline Truncated Longitudinal Regression (2023). 12 Million. The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6643680/?view=researches
Industry collaborations over the last 5 years	5. Samarinda City Price Monitoring Survey (2014-now), Partner: Bank Indonesia 6. Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia
Patents and proprietary rights	R Script For Inverse Gaussian Regression Modeling And Its Application In Neonatal Mortality Cases In Indonesia Proprietary 2024 The history of proprietary rights can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6643680/?view=iprs
Important publications over the last 5 years	1. Fathurahman, M., 2022. Inverse Gaussian Regression Modeling and Its Application in Neonatal Mortality Cases in Indonesia. <i>Barekeng: Journal of Mathematics and Its Application</i>, 16(4), pp. 1197-1206. 2. Fathurahman, M., Purnamasari, I. & Prangga, S., 2021. Count Data Modeling Using GAMLSS Approach and Its Application in Dengue Hemorrhagic Fever Cases in East Kalimantan Province, Indonesia. <i>Journal of Southwest Jiaotong University</i>, 56(6), pp. 1012-1019. 3. Purhadi & Fathurahman, M., 2021. A Logit Model for Bivariate Binary Responses. <i>Symmetry</i>, 13(326), pp. 1-18. 4. Sifriyani, et al., 2025. Nonparametric Spatio-Temporal Modeling: Construction of a Geographically and Temporally Weighted Spline Regression. <i>MethodsX</i>, 14(103098), pp. 1-11. • SINTA: Profil Sinta M. Fathurahman • Scopus: Profil Scopus M. Fathurahman • Google Scholar: Profil Google Scholar M. Fathurahman
Activities in specialist bodies over the last 5 years	Indonesian Statistics Higher Education Forum (FORSTAT) (2023 – Now).

CURRICULUM VITAE

Name	Rito Goejantoro		
Post	Assistant Professor (Lektor) of Statistics		
Academic career	Master's degree (mathematics)	Institut Teknologi Bandung	2001
	Undergraduate degree (mathematics)	Universitas Airlangga	1997
Employment	Lecturer of Statistics	University of Mulawarman	2001 - now
Research and development projects over the last 5 years	1. Bayesian Computation 2. Machine Learning 3. Geostatistics The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6744887/?view=researches		
Industry collaborations over the last 5 years	7. Samarinda City Price Monitoring Survey (2014-now), Partner: Bank Indonesia 8. Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia		
Patents and proprietary rights	Computation Program for Weibull Regression Modeling Proprietary rights 2022 The history of proprietary rights can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6744887/?view=iprs		
Important publications over the last 5 years	1. Yossy Candra, Rito Goejantoro, Andrea Tri Rian Dani (2024), Pengelompokan Provinsi Berdasarkan Indikator Ekonomi, Pendidikan, Kesehatan, dan Kriminalitas di Indonesia Menggunakan Algoritma Centroid Linkage, Euler : Jurnal Ilmiah Matematika, Sains dan Teknologi, 12(1), https://doi.org/10.37905/euler.v12i1.24887 2. Darnah, Memi Nor Hayati, Sri Wahyuningsih, Iriyani Kamaruddinb, Suyitno, Andrea Tri Rian Dani, Rito Goejantoro, Desi Yuniarti, Fidia Deny Tisna Amijayaa, Ika Purnamasari, Meiliyani Siringoringo, Surya Prangga, Ratna Kusuma, Rahmawati Munir, (2025), Locally kernel weighted maximum likelihood estimator for local linear multi-predictor poisson regression, MethodX, 14, https://doi.org/10.1016/j.mex.2025.103258 • SINTA : Link to Rito Goejantoro's SINTA profile • Scopus : Link to Rito Goejantoro's Scopus profile • Google Scholar : Link to Rito Goejantoro's Google Scholar profile		
Activities in specialist bodies over the last 5 years	University of Mulawarman	Head of Laboratory	2019-now

CURRICULUM VITAE

Name	<i>Ika Purnamasari</i>		
Position	<i>Assistant Professor (Lektor) of Statistics</i>		
Academic career	<i>Master's degree (Statistics)</i>	<i>Institut Teknologi Sepuluh Nopember</i>	<i>2012</i>
	<i>Undergraduate degree (Statistics)</i>	<i>Airlangga University</i>	<i>2009</i>
Employment	<i>Lecturer in the Statistics Study Program</i>	<i>Faculty of Mathematics and Natural Sciences, Mulawarman University</i>	<i>2012-now</i>
Research and development projects over the last 5 years	<i>Forecasting the Amount of Palm Oil Production in East Kalimantan Province Using the Singular Spectrum Analysis Method with Tracking Signal Monitoring to Obtain Future Projections (2021). 22,5 million.</i> <i>Application of Hybrid Transfer Function Model – Neural Network and Fourier Series for Reference Coal Price Forecasting, 2023, 11 million</i> The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6708101/?view=researches		
Industry collaborations over the last 5 years	<i>Samarinda City Price Monitoring Survey (2014-now), Partner: Bank Indonesia</i> <i>Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia</i>		
Patents and proprietary rights	<i>Script Program R Metode Robust M-Estimator Bagi Model Regresi Data Panel Menggunakan Estimator Awal Mean Absolute Deviation (MAD) Dan Fungsi Pembobot Huber</i> EC002024207308 2024 The history of proprietary rights can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6708101/?view=iprs		
Important publications over the last 5 years	<i>MS Mbu, I Purnamasari, S Mahmuda. 2025. Optimasi Hasil Peramalan Brown's Weighted Exponential Moving Average Menggunakan Metode Levenberg-Marquardt (Studi Kasus: Harga Beras Di Kalimantan Timur). Jurnal Teknologi Informasi: Jurnal Keilmuan dan Aplikasi Bidang Teknik Informatika, 19(1), 29-39.</i> <i>IAK Putri, I Purnamasari, Suyitno. 2024. Application of The Fuzzy Ruey Chyn Tsaor Method to The Time Series Data:(Case Study: Total Exports in East Kalimantan from January 2018 to May 2021). Jurnal Matematika Sains dan Teknologi 25 (2), 103-115</i> <i>Kusumaningrum, N., Purnamasari, I., and Siringoringo, M., 2023. Peramalan Menggunakan Model Hybrid ARIMAX-NN untuk Total Transaksi Pembayaran Nontunai (Forecasting Using Hybrid ARIMAX-NN Model for Total Non-Cash Payment Transactions). VARIANSI: Journal of Statistics and Its application on Teaching and Research, 5 (1), 1-15.</i> - SINTA : Link to Ika Purnamasari's SINTA Profile - Scopus : Link to Ika Purnamasari's Scopus Profile - Google Scholar : Link to Ika Purnamasari's Google Scholar Profile		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
Community Service Experience Over the Last 5 years	<i>Basic Literacy Through Numeracy and Finance, 2023.</i> <i>Community Service with the title, "Easy, Fast and Accurate Solutions for Facing General Intelligence Tests with Logic and Statistics", 2021.</i>		

CURRICULUM VITAE

Name	Memi Nor Hayati		
Position	Assistant Professor (Lektor) of Statistics		
Academic career	Master's degree (Statistics)	Institut Teknologi Sepuluh Nopember	2011-2013
	Undergraduate degree (Statistics)	Mulawarman University	2006-2010
Employment	Lecturer in the Statistics Study Program	Mulawarman University	2014-now
Research and development projects over the last 5 years	1. Development of Multipredictor Local Linear Poisson Nonparametric Regression as an Effective Model for Addressing Stunting and Child Parenting Based on Local Community Wisdom (2024). 102.23 million IDR 2. Application of Geographically Weighted Poisson Regression in Mapping Leprosy Cases in Kalimantan Based on Influencing Factors as an Effort to Strengthen Health Behavior Awareness (2024). 9.35 million IDR 3. Application of Game Theory and Markov Chain for Optimizing Strategies in E-Wallet Competition in Samarinda City (2024). 9.35 million IDR The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6725623/?view=researches		
Industry collaborations over the last 5 years	1. Samarinda City Price Monitoring Survey (2014-now), Partner: Bank Indonesia 2. Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia 3. East Kalimantan Province Livestock Productivity Study Survey (2024), Partner: East Kalimantan Province Livestock and Animal Health Agency 4. Bontang City Integrated Housing Data Collection (2024), Partner: Bontang City Regional Development Planning, Research, and Innovation Agency 5. Samarinda City Poverty Survey (2023), Partner: Samarinda City Communication and Informatics Office		
Patents and proprietary rights	Computer Program Script for Modeling Proprietary rights 2024 Leprosy Cases in Children in Indonesia in 2023 Using Geographically Weighted Poisson Regression (GWPR) The history of proprietary rights can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6725623/?view=iprs		
Important publications over the last 5 years	4. Darnah, Hayati, M. N., Wahyuningsih, S., Kamaruddin, I., Dani, A. T. R., Goejantoro, R., Yuniarti, D., Amijaya, F. D. T., Purnamasari, I., Siringoringo, M., Prangga, S., Kusuma, R., & Munir, R. (2025). Locally kernel weighted maximum likelihood estimator for local linear multi-predictor Poisson regression. <i>MethodsX</i>, 14, 103258. https://doi.org/10.1016/j.mex.2025.103258 5. Hayati, M. N., Prangga, S., Goejantoro, R., & Purnamasari, I. (2023). Analisis Faktor-Faktor Yang Berpengaruh Terhadap Status Pembayaran Kredit Barang Elektronik Dan Furniture Menggunakan Regresi Logistik. <i>VARIANSI: Journal of Statistics and Its application on Teaching and Research</i>, 5(01), 28-35. • SINTA : Link to Memi Nor Hayati's SINTA profile • Scopus : Link to Memi Nor Hayati's Scopus profile • Google Scholar : Link to Memi Nor Hayati's Google Scholar profile		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

CURRICULUM VITAE

Name	Meiliyani Siringoringo
Position	Assistant Professor of Statistics
Academic Career	Master's Degree Institut Teknologi Sepuluh Nopember 2013 (Statistics)
	Undergraduate Degree Mulawarman University 2008 (Statistics)
Employment	Lecturer in the Statistics Study Program Mulawarman University 2016-Now
Research and Development Projects Over the Last 5 Years	Forecasting the Amount of Palm Oil Production in East Kalimantan Province Using the Singular Spectrum Analysis Method with Tracking Signal Monitoring to Obtain Future Projections (2021). 22,5 Million. The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6738675/?view=researches
Industry Collaboration Over the Last 5 Years	1. Samarinda City Price Monitoring Survey (2019-now), Partner: Bank Indonesia 2. Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia
Patents and Proprietary Right	Script Program R Metode Robust M-Estimator Proprietary 2024 Bagi Model Regresi Data Panel Menggunakan rights Estimator Awal Mean Absolute Deviation (MAD) Dan Fungsi Pembobot Huber The history of proprietary rights can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6738675/?view=iprs
Important Publication Over the Last 5 Years	1. Wulandari, G., Wahyuningsih, S., Siringoringo, M., and Sergio, A., 2024. Inflation Forecasting for Samarinda City Using Hybrid Singular Spectrum Analysis-Neural Network Model. AIP Conference Proceedings, 3095 (1). https://doi.org/10.1063/5.0205055 2. Kesuma, AR., Siringoringo, M., and Mahmuda, S., 2024. Forecasting the Total of Paddy Production in Indonesia Using Time Series Regression Model. ARRUS Journal of Mathematics and Applied Science, 29 (4), 78-88. https://doi.org/10.35877/mathscience3175 3. Wahidah, FP, Wahyuningsih, S., and Siringoringo, M., 2024. Forecasting the Value of Indonesia's Exports using Model Hybrid Arimax-NN. Science & Technology Asia, 29 (4), 62-74. 4. Siringoringo, M., Wahyuningsih, S., Purnamasari, I., and Arumsari, M., 2022. Peramalan Jumlah Produksi Kelapa Sawit Provinsi Kalimantan Timur Menggunakan Metode Singular Spectrum Analysis (Forecasting the Amount of Palm Oil Production in East Kalimantan Province Using the Singular Spectrum Analysis Method). VARIANSI: Journal of Statistics and Its application on Teaching and Research, 4 (3), 162-172. https://doi.org/10.35580/variansiunm46 • SINTA : Link to Meiliyani Siringoringo's SINTA profile • Scopus : Link to Meiliyani Siringoringo's Scopus profile • Google Scholar : Link to Meiliyani Siringoringo's Google Scholar profile
Activities in Specialist Bodies Over the Last 5 Years	

CURRICULUM VITAE

Name	Surya Prangga		
Post	Assistant Professor (Asisten Ahli) of Statistics		
Academic career	Master's Degree (Statistics)	Institut Teknologi Sepuluh Nopember	2015
	Undergraduate Degree (Statistics)	Universitas Islam Indonesia	2010
Employment	Lecturer of Statistics	Universitas Mulawarman	2019 - Now
Research and development projects over the last 5 years	Classification of Traffic Accident Victim Status in Samarinda Using QUEST Algorithm (2023), 11 million The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6825799/?view=researches		
Industry collaborations over the last 5 years	9. Samarinda City Price Monitoring Survey (2020-now), Partner: Bank Indonesia 10. Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia		
Patents and proprietary rights	-		
Important publications over the last 5 years	Prangga S, R Goejantoro, M N Hayati, S Mahmuda, D H Mubiin. 2024. Accuracy Comparison of QUEST Algorithm Classification on Encoded vs. Non-Encoded Data Scenarios. Journal of Lebesgue 5 (1), http://dx.doi.org/10.46306/lb.v5i1.525, • SINTA : Link to Surya Prangga's SINTA Profile • Scopus : Link to Surya Prangga's Scopus Profile • Google Scholar : Link to Surya Prangga's Google Scholar Profile		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	-		

CURRICULUM VITAE

Name	Siti Mahmuda		
Position	Assistant Professor (Asisten Ahli) of Statistics		
Academic career	Master's Degree (statistics)	IPB University	2016
	Undergraduate degree (statistics)	Mulawarman University	2014
Employment	Lecturer Faculty of Mathematics and Science	Mulawarman University	2022-Now
Research and development projects over the last 5 years	1. Penerapan Geographically Weighted Poisson Regression Pada Pemetaan Kasus Kusta di Kalimantan Berdasarkan Faktor yang Berpengaruh sebagai Upaya Penguatan Pengetahuan Berperilaku Sehat (2024). 9.5 Million. 2. Klasifikasi Status Korban Kecelakaan Lalu Lintas Di Kota Samarinda Menggunakan Algoritma QUEST (Quick, Unbiased, Efficient, Statistical Tree) (2023). 11 Million. The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6663506/?view=researches		
Industry collaborations over the last 5 years	11. Samarinda City Price Monitoring Survey (2022-now), Partner: Bank Indonesia 12. Strategic Food Price Information Center Survey (2022-now), Partner: Bank Indonesia		
Patents and proprietary rights	-	-	-
Important publications over the last 5 years	1. Mbu, M. S., Purnamasari, I., & Mahmuda, S. (2025). Optimasi hasil peramalan Brown's Weighted Exponential Moving Average menggunakan metode Levenberg-Marquardt (Studi kasus: Harga beras di Kalimantan Timur). Jurnal Teknologi Informasi: Jurnal Keilmuan dan Aplikasi Bidang Teknik Informatika, 19(1), 1–10. https://doi.org/10.47111/jti.v19i1.19088 2. Sitohang, F. K. S., Sifriyani, & Mahmuda, S. (2024). Application of nonparametric regression spline truncated for modeling the height of Yeop Chagi kicks of taekwondo athletes in Samarinda City. BAREKENG: Jurnal Ilmu Matematika dan Terapan, 18(2), 657–666. https://doi.org/10.30598/barekengvol18iss2pp0657-0666 3. Mahmuda, S. (2024). Implementasi metode Random Forest pada kategori konten kanal YouTube. Jurnal Jendela Matematika, 2(01), 21–31. https://doi.org/10.57008/jjm.v2i01.633 4. Khairunnisa, S. F., Suyitno, & Mahmuda, S. (2023). Weibull regression model on hospitalization time data of COVID-19 patients at Abdul Wahab Sjahranie Hospital Samarinda. Jurnal Matematika, Statistika dan Komputasi, 19(2), 286–303. https://doi.org/10.20956/j.v19i2.22266 • SINTA : Link to Siti Mahmuda's SINTA profile • Google Scholar : Link to Siti Mahmuda's Google Scholar profile		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
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CURRICULUM VITAE

Name	Meirinda Fauziyah		
Post	Assistant Professor (Asisten Ahli) of Statistics		
Academic career	Master's Degree (Statistics)	Institut Teknologi Sepuluh Nopember Surabaya	2020
	Undergraduate (Statistics)	Mulawarman University	2017
Employment	Lecturer of Statistics, Faculty of Mathematics and Natural Science	Mulawarman University	2022-now
Research and development projects over the last 5 years	1. Nonparametric spatio-temporal modeling: Contruction of a geographically and temporally weighted spline regression (2025) 2. Modelling the Probability of River Water Pollution Using Geographically Weighted Logistic Regression Model (Case Study: River Water DO Data in East Kalimantan) (2024) 3. Flexibly Shaped Spatial Scan Statistic For Mapping Indonesian Stunting Incidents (2023) 4. Pengenalan Pojok Statistik Sejak Dini dan Ilmu Data Sains Bagi Siswa dan Guru di SMAN Kota Samarinda (2023) The research history can be viewed at the following SINTA link: https://sinta.kemdikbud.go.id/authors/profile/6817191/?view=researches		
Industry collaborations over the last 5 years	13. Samarinda City Price Monitoring Survey (2022-now), Partner: Bank Indonesia 14. Strategic Food Price Information Center Survey (2022-now), Partner: Bank Indonesia		
Patents and proprietary rights	1. Geographically Weighted Logistic Regression (GWLR) Modeling Computational Program on Dissolved Oxygen Data in 2023 Using the Octave Program Proprietary rights 2024 2. Dashboard R SHINY, I-MAPS Proprietary rights 2023 The history of proprietary rights can be viewed at the following SINTA link https://sinta.kemdikbud.go.id/authors/profile/6817191/?view=iprs		
Important publications over the last 5 years	1. Fauziyah, M., Dani, A.T.R., Koirudin, H., dkk., 2024. Comparison of Value at Risk (VaR) in Risk Analysis: Historical, Variance Covariance and Monte Carlo Methods. Mikailalsys Journal of Mathematics and Statistics, 2(3), 126-134. https://DOI: 10.58578/mjms.v2i3.3778 2. Dani, A.T.R., Fauziyah, M., Sandariria, H. 2023. Forecasting The Search Trends of The Keyword "Sarung Wadimor" In Indonesia on Google Trends Data Using Time Series Regression with Calender Variation and Arima Box-Jenkins. Jurnal Matematika, Statistika dan Komputasi 19(3) 447-459. https://doi.org/10.20956/j.v19i3.24551 • SINTA : Link to Meirinda Fauziyah's SINTA profile • Scopus : Link to Meirinda Fauziyah's Scopus Profile • Google Scholar : Link to Meirinda Fauziyah's Google Scholar Profile		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
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CURRICULUM VITAE

Name	Andrea Tri Rian Dani		
Post	Assistant Professor (Asisten Ahli) of Statistics		
Academic career	Doctorate (MIPA, Statistics Field)	Airlangga University	2025 - Now
	Master's Degree (Statistics)	Sepuluh Nopember Institute of Technology	2019-2021
	Undergraduate degree (Statistics)	Mulawarman University	2015-2019
Employment	Lecturer	Mulawarman University	2022 - Now
Research and development projects over the last 5 years	Research history can be seen on the following SINTA link https://sinta.kemdikbud.go.id/authors/profile/6815348/?view=researches		
Industry collaborations over the last 5 years	1. Samarinda City Price Monitoring Survey (2022 – Now), Partner: Bank Indonesia 2. Strategic Food Procurement Information Center Survey (2022 – Now), Partner: Bank Indonesia 3. Survey of Public Reading Enthusiasm and Literacy Levels (2022 – 2023), Partner: East Kalimantan Provincial Library		
Patents and proprietary rights	Evaluasi Performansi Melalui Studi Simulasi CV, GCV, Dan GML Pada Pemodelan Regresi Nonparametrik Pada Beberapa Distribusi Yang Dicobakan	Proprietary rights	2024
	Menjelajahi Bersama Ruang Runtun Waktu Melalui Infografis: Sebuah Petualangan Visual Kehidupan	Proprietary rights	2024
	The history of proprietary rights can be viewed at the following SINTA link https://sinta.kemdikbud.go.id/authors/profile/6815348/?view=iprs		
Important publications over the last 5 years	Publication history can be accessed on Google Scholar: https://scholar.google.com/citations?hl=en&user=oxGjD7kAAAAJ&view_op=list_works&sortby=pubdate Publication in Scopus indexed international journals: Scopus ID: 57406862500 https://www.scopus.com/authid/detail.uri?authorId=57406862500		
Activities in specialist bodies over the last 5 years	Organisation: IAENG	Role: Members	Period: 2023-Now
	https://docs.google.com/document/d/1yoC68bcMD5vVW6Wd6-KYoUPv8sdDtA4H94ddKbeBIO0/edit?usp=sharing		



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