



**2025**



# **STAFF HANDBOOK**

## **BACHELOR IN MATHEMATICS**

*FACULTY OF MATHEMATICS AND NATURAL SCIENCE*

### **MULAWARMAN UNIVERSITY**



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Name	<i>Dr. Syaripuddin, M.Si.</i>		
Post	<i>Expertise: Optimization, research operations, Applied Mathematics</i> <i>Designation: Undergraduate Program</i>		
Academic career	<i>Doctoral's Degree (Mathematics)</i>	<i>Universitas Airlangga</i>	<i>2018</i>
	<i>Master's Degree (Mathematics)</i>	<i>Institut Teknologi Bandung</i>	<i>2000</i>
	<i>Bachelor's Degree (Mathematics)</i>	<i>Universitas Hasanuddin</i>	<i>1998</i>
Employment	<i>Lecturer</i>	<i>Bachelor Mathematics, Mulawarman University</i>	<i>2000 until now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <li><i>Optimal Portfolio with the Application of Quadratic Programming of Interval Coefficients as the Basis for Investment Decisions, year 2022, Rp. 8.600.000,-</i></li> <li><i>Application Of Game Theory And Markov Chain For Strategy Optimization Towards E-Wallet Competition In Samarinda City, Year 2024, Rp. 9.350.000,00</i></li> <li><i>Modification of the Hill Cipher Method with Two Keywords and ASCII Code Characters, year 2021, Rp. 20.000.000,-</i></li> </ol>		
Industry collaborations over the last 5 years	<i>Project title</i> <i>Bank Indonesia</i>		
Patents and proprietary rights	<i>Hill Cipher Algorithm Program Using Two Keywords and 94 ASCII Characters</i>		<i>2022</i>
Important publications over the last 5 years	<ol style="list-style-type: none"> <li><i>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:</i></li> <li><i>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)</i></li> <li><i>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)</i></li> </ol>		



	4. 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)		
Activities in specialist bodies over the last 5 years	Indonesian Mathematics Society	Member	2018 until now



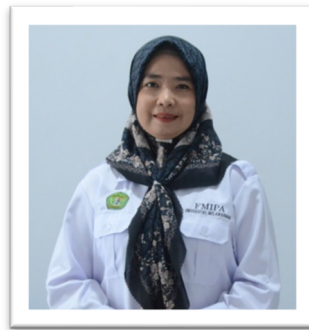


Name	Dr. Sri Wahyuningsih, S.Si., M.Si.		
Post	Associate Professor of Statistics		
Academic career	Doctorate (Mathematics/Statistic)	Institut Teknologi Bandung	2010
	Master (Mathematics/Statistic)	Institut Teknologi Bandung	2001
	Undergraduate degree (Mathematics/ statistic)	Universitas Indonesia	1993
Employment	Lecturer	Statistics Study Program, 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		
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
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. <a href="https://ph02.tci-thaijo.org/index.php/SciTechAsia/article/view/254348/171580">https://ph02.tci-thaijo.org/index.php/SciTechAsia/article/view/254348/171580</a> 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. <a href="https://ph02.tci-thaijo.org/index.php/SciTechAsia/article/view/255095/171579">https://ph02.tci-thaijo.org/index.php/SciTechAsia/article/view/255095/171579</a>		





Activities in specialist bodies over the last 5 years	FORSTAT (Statistics Higher Education Forum)	Member	2022-2024 2024-2026



Name	Prof. Dr. Sifriyani, S.Pd., M.Si.		
Post	Professor Of Statistics (Nonparametric Regression and Spatial Statistics)		
Academic career	Doctorate (Mathematics)	Gadjah Mada University	2018
	Master's (Statistics)	Institut Teknologi Sepuluh Nopember	2007
	Undergraduate degrees (Mathematics Education)	Universitas Negeri Makassar	2004
Employment	Lecturer Of Statistics	Faculty Mathematics and Natural Science (FMIPA) of Mulawarman University	2008 - present
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <li>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.</li> <li>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</li> <li>3. (Head of Team) Development of a Spatio-Temporal Model in Machine Learning-Based Nonparametric Regression and Digitalization of Strategic National Food Commodity Price Prediction in Traditional Markets to Strengthen Indonesia's Food Security. (RISTEKDIKTI/DRTPM) (2023) 99.600.000</li> <li>4. (Team Member) Modeling Criminal Issues in Indonesia as an Effort to Reflect SDG 16 Target: "Peace, Justice, and Strong Institutions" using Longitudinal Truncated Spline Nonparametric Regression. (PNBP) (2023) 12.000.000</li> <li>5. (Head of Team) Development of Geographically Temporally Weighted Regression with an Improved Spatial-Time Series Distance Function and Application to COVID-19 Modeling in East Kalimantan. (ISDB) (2022) 30.000.000</li> <li>6. (Head of Team) Development of Nonparametric Regression with a Combined Truncated Spline and Epanechnikov Kernel Estimator and Computer-Based Application for Dengue Fever (DF) Data. (PNBP) (2022) 30.000.000</li> <li>7. (Head of Team) Development of NGWTR Models and Computational Application Systems for the Detection of COVID-19 Spread in</li> </ol>		



	<p><i>Geospatial and Temporal Contexts. (RISTEKDIKT/DRTPM) (2021) 79.480.000</i></p> <p>8. (Head of Team) <i>Spatio-Temporal Analysis of Epidemiology and GIS in the Accumulative Modeling of COVID-19. (IsDB UNMUL) (2021) 30.000.000</i></p> <p>9. (Head of Team) <i>Development of Geographically Temporally Weighted Regression with an Improved Spatial-Time Series Distance Function and COVID-19 Modeling Application in East Kalimantan. (PNBP FMIPA UNMUL) (2021) 30.000.000.</i></p> <p>10. (Head of Team) <i>Flood Disaster Mitigation in Samarinda City. (IsDB UNMUL) (2020) 40.000.000</i></p> <p>11. (Head of Team) <i>Evaluation of Tropical Rainforest Productivity Enhancement in Kalimantan Using Geospatial Regression Methods. (IsDB UNMUL) (2019) 50.000.000.</i></p> <p>12. (Team Member) <i>Multi-Group Decision-Making (MGDM) Assessment Model for Land Suitability of Palm Oil Plantations. (RISTEKDIKT/DRTPM) (2019) 130.000.000.</i></p> <p>13. (Head of Team) <i>Supporting Factors of Food Production in Kalimantan Districts/Cities Using Nonparametric Regression Modeling with Geographic Weighting. (PNBP FMIPA UNMUL) (2019) 40.000.000.</i></p>	
Industry collaborations over the last 5 years	<p><b>Statistics Corner Coordinator – Collaboration with Statistics Indonesia (Badan Pusat Statistik/BPS)</b></p> <p>Year: 2021–present</p> <p>Project: Establishment and Development of "Statistics Corner" (Pojok Statistika) at Mulawarman University</p> <p>Role: Coordinator</p> <p>Partner: Statistics Indonesia (BPS)</p> <p>Activities &amp; Output:</p> <ul style="list-style-type: none"> <li>Facilitated data literacy programs and workshops for students, lecturers, and local government staff.</li> <li>Conducted joint training on data analysis using national survey and census data (e.g., SUSENAS, SAKERNAS, PODES).</li> <li>Promoted the use of BPS open data for academic research and policy development.</li> <li>Provided statistical consultation services for local development planning based on official statistics.</li> </ul>	
Patents and proprietary rights	<p>1. <i>Computational Application in R for Geographically Weighted Spline Nonparametric Regression in Spatial-Based Food Data Analysis, Intellectual Property Rights (HKI)</i></p> <p>2. <i>Computer Program for Improved Geographically Weighted Panel Regression (I-GWPR), Intellectual Property Rights (HKI)</i></p> <p>3. <i>Data Analysis Module Using R, Intellectual Property Rights (HKI)</i></p> <p>4. <i>R-Shiny Dashboard: I-Regs (Internet-Based Regression Analysis), Intellectual Property Rights (HKI)</i></p> <p>5. <i>Computational Program for Geographically Temporally Weighted Regression with Improved</i></p>	<p>2024</p> <p>2024</p> <p>2024</p> <p>2023</p> <p>2023</p>





	<i>Spatial-Timeseries Distance Function, Intellectual Property Rights (HKI)</i> 6. <i>GUI-R Application Program for Nonparametric Regression (Mixed Estimator of Truncated Spline and Epanechnikov Kernel), Intellectual Property Rights (HKI)</i>	2022
Important publications over the last 5 years	<i>Nonparametric spatio-temporal modeling: Contruction of a geographically and temporally weighted spline regression</i> <ul style="list-style-type: none"> <li>• SINTA: <a href="#">Profil SINTA</a></li> <li>• Scopus: <a href="#">Profil Scopus</a></li> <li>• Google Scholar: <a href="#">Profil Google Scholar</a></li> </ul>	
Activities in specialist bodies over the last 5 years	<ul style="list-style-type: none"> <li>• <i>Editor-in-Chief of Jurnal Eksponensial, Mulawarman University (2023–present)</i></li> <li>• <i>Reviewer for research proposals at LP2M (Institute for Research and Community Service), Mulawarman University (2023–present)</i></li> <li>• <i>Active Member of FORSTAT (Forum Pendidikan Tinggi Statistika Indonesia) (2019–present)</i></li> </ul>	



Name	Prof. Dr. Darnah, S.Si., M.Si.		
Post	Professor of Statistics		
Academic career	Initial academic appointment Doctorate (Statistics)	Institution Universitas Airlangga	Year 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	<ol style="list-style-type: none"> <li>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.</li> <li>2. Development of Composite Material Based on Eggshell Waste (ES) and Titanium Dioxide (TiO<sub>2</sub>) as an Adsorbent for Water Purification (2024). 129.33 million IDR.</li> <li>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.</li> <li>4. Application of Game Theory and Markov Chain for Optimizing Strategies in E-Wallet Competition in Samarinda City (2024). 9.35 million IDR</li> <li>5. Modeling Public Attitudes in Bontang City Toward COVID-19 Vaccination Using Logistic Regression (2021). 24.125 million IDR</li> <li>6. Analysis of the Effect of Online Learning Media and Digital Literacy on Junior High School Students' Math Learning Outcomes in Samarinda During the COVID-19 Pandemic Using Dummy Variable Regression (2021). 30 million IDR</li> </ol>		
Industry collaborations over the last 5 years	<ol style="list-style-type: none"> <li>1. Samarinda City Price Monitoring Survey (2014-now), Partner: Bank Indonesia,</li> <li>2. Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia,</li> <li>3. East Kalimantan Province Livestock Productivity Study Survey (2024), Partner: East Kalimantan Province Livestock and Animal Health Agency.</li> <li>4. Bontang City Integrated Housing Data Collection (2024), Partner: Bontang City Regional Development Planning, Research, and Innovation Agency.</li> </ol>		
Patents and proprietary rights	Computer Program Script for Modeling Stunting Cases	Proprietary rights	2024



	<i>in Indonesia Using Local Linear Poisson Regression</i>		
Important publications over the last 5 years	<ol style="list-style-type: none"> <li>1. <i>Locally kernel weighted maximum likelihood estimator for local linear multi-predictor poisson regression. METHODX. 14(103082)</i></li> <li>2. <i>Modeling the hospitalization time of stroke patients at Abdul Wahab Sjahrane Hospital Samarinda using the Weibull Regression Model. METHODX. 14(103082)</i></li> </ol>		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Membership without a specific role need not be mentioned</i>		





Name	Dr. Suyitno, S.Pd., M.Sc.		
Post	Associate Professor of Statistics		
Academic career	Doctorate (Statistics)	Institut Teknologi Sepuluh Nopember (ITS) Surabaya	2017
	Master's Degree (Industrial Mathematics)	Universitat Kaiserslautern Gemany	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	<ol style="list-style-type: none"> <li>1. Penerapan Model Geographically Weighted Poisson Regression Pada Pemetaan Kasus Kusta Anak di Kalimantan Brdasarkan Faktor Yang Berpengaruh Sebagai Upaya Penguatan Pengetahuan Berperilaku Hidup Sehat (2024), 9 Million.</li> <li>2. Analisis Potensi Pencemaran Air Sungai Mahakam di Lingkungan Hutan Tropis Lembap Kalimantan Timur Menggunakan Model Regresi Weibull. (2022), 17.5 Million.</li> </ol>		
Industry collaborations over the last 5 years	<ol style="list-style-type: none"> <li>1. Samarinda City Price Monitoring Survey (2014-now), Partner: Bank Indonesia</li> <li>2. Strategic Food Price Information Center Survey (2021-now), Partner: Bank Indonesia</li> </ol>		
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
Important publications over the last 5 years	<ol style="list-style-type: none"> <li>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. <a href="https://www.sciencedirect.com/science/article/pii/S2215016124005338">https://www.sciencedirect.com/science/article/pii/S2215016124005338</a></li> <li>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</i></li> </ol>		



	<i>Matematika, Statistika dan Komputasi</i> , 21(2), pp.408-430. <a href="http://journal.unhas.ac.id/index.php/jmsk/article/view/40346">http://journal.unhas.ac.id/index.php/jmsk/article/view/40346</a> Google Scholar : <a href="https://scholar.google.com/citations?user=Rtur6icAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=Rtur6icAAAAJ&amp;hl=en&amp;oi=ao</a>		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Membership without a specific role need not be mentioned</i>		



Name	Dr. M. Fathurahman, S.Si., M.Si.		
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-Now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <li>1. Estimation and Hypothesis Testing of Nonparametric Geographically Temporally Weighted Regression Spline Models (2024). 9.3 Million.</li> <li>2. 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.</li> <li>3. Inverse Gaussian Poisson Regression Modeling and Negative Binomial Regression on Dengue Fever Cases in East Kalimantan (2021). 30 Million.</li> <li>4. Data Visualization Training Using ggplot2 to Improve Research Data Presentation Skills for Lecturers and Students Throughout Samarinda City (2021). 12 Million.</li> <li>5. Infographic Design Assistance with Statistics and Data Science for Students of MAN 1 Samarinda City (2024). 6 Million.</li> </ol>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-	-	-
Important publications over the last 5 years	<ol style="list-style-type: none"> <li>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.</li> <li>2. Fathurahman, M., Purnamasari, I. &amp; 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.</li> <li>3. Purhadi &amp; Fathurahman, M., 2021. A Logit Model for Bivariate Binary Responses. <i>Symmetry</i>, 13(326), pp. 1-18.</li> <li>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.</li> </ol>		





Activities in specialist bodies over the last 5 years	Indonesian Statistics Higher Education Forum (FORSTAT) (2023 – Now).
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Name	<i>Fidia Deny Tisna Amijaya, S.Si., M.Si.</i>		
Post	<i>Expertise: Optimization, Machine Learning, Data Mining, Applied Mathematics Designation: Undergraduate Program</i>		
Academic career	<i>Master's Degree (Mathematics)</i>	<i>Brawijaya University</i>	<i>2013</i>
	<i>Bachelor's Degree (Mathematics)</i>	<i>Brawijaya University</i>	<i>2011</i>
Employment	<i>Lecturer</i>	<i>Mulawarman University</i>	<i>2015 until now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <li><i>Heart Disease Diagnosis Using Hybrid Greedy Particle Swarm Optimization Genetic Algorithm, year 2024, Rp. 9.350.000,-</i></li> <li><i>Development of Classification Method Based on Random Forest Classifier and Swarm Intelligence Algorithm for Diabetes Mellitus Disease Diagnosis, year 2023, Rp. 76.000.000,-</i></li> <li><i>Development of Disease Classification Method Based on Convolutional Neural Networks and Bat Algorithm in Smart Farming System for Tomato Cultivation, year 2023, Rp. 105.000.000,-</i></li> <li><i>Optimal Portfolio with the Application of Quadratic Programming of Interval Coefficients as the Basis for Investment Decisions, year 2022, Rp. 8.600.000,-</i></li> <li><i>Development of Geographically Temporally Weighted Regression with Improved Spatial-Time Series Distance Function and Covid-19 Modeling Application in East Kalimantan, year 2022, Rp. 30.000.000,-</i></li> <li><i>Modification of the Hill Cipher Method with Two Keywords and ASCII Code Characters, year 2021, Rp. 20.000.000,-</i></li> </ol>		
Industry collaborations over the last 5 years	<i>Strategic Food Price Information Center Bank Indonesia</i>		
Patents and proprietary rights	<i>Hybrid Greedy Particle Swarm Optimization Genetic Algorithm Computer Program for Heart Disease Diagnosis</i>		<i>2024</i>
	<i>Genetic Modified K-Nearest Neighbor Program for Classification of Dayak Onion, Red Onion, and Red Bombay Onion Images Using Python Programming Language</i>		<i>2023</i>
			<i>2023</i>



	Hill Cipher Algorithm Program Using Two Keywords and 94 ASCII Characters		
Important publications over the last 5 years	<ol style="list-style-type: none"> <li>1. Anam, S., Amijaya, F.D.T., Wijoyo, S.H., Ratnawati, D.E., Lestari, C.A.D., Ilyas, M. 2025. Diabetes mellitus diagnosis method based random forest with bat algorithm. <i>IAES International Journal of Artificial Intelligence (IJ-AI)</i>. Vol. 14, No. 2, April 2025, pp. 1140~1149.</li> <li>2. Darnah, Hayati, M.N., Wahyuningsih, S., Kamaruddin, I., Suyitno, Dani, A.T.R., Goejantoro, R., Yuniarti, D., Amijaya, F.D.T., Pirnamsari, 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>. Volume 14, June 2025, 103258.</li> <li>3. Anam, S., Lestari, C.A.D., Amijaya, F.D.T., Tarno., H., Zuraidah, F. 2024. New Tomato Leaf Disease Classification Method Based on DenseNet121 with Bat Algorithm Hyperparameters Optimization. <i>International Journal of Advances in Soft Computing &amp; Its Applications</i>. Vol 16, Issue 2, p30</li> <li>4. Syaripuddin, Amijaya, F.D.T., Wasono, Tulzahrh, S., Suciati. 2024. Application Of Quadratic Programming On Portfolio Optimization Using Wolfe's Method And Particle Swarm Optimization Algorithm. <i>BAREKENG: Journal of Mathematics and Its Application</i>. Vol. 18, No. 2</li> <li>5. Anam, S., Amijaya, F.D.T., Wijoyo, S.H., Ratnawati, D.E., Lestari, C.A.D., Ilyas, M. 2023. Development of Diabetes Mellitus Diagnosis Method Based Random Forest Classifier with Particle Swarm Optimization. <i>IEEE 9th International Conference on Computing, Engineering and Design (ICCED)</i></li> <li>6. Pasarella, M.D., Sifriyani, Amijaya, F.D.T. 2022. Nonparametrik Regression Model Estimation With The Fourier Series The Fourier Series Approach And ITS Application To The Accumulative Covid-19 Data In Indonesia. <i>BAREKENG: Journal of Mathematics and Its Application</i>. Volume 16 Issue 4 Page 1167–1174</li> <li>7. 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. <i>AIP Conf. Proc.</i> 2668, 050006 (2022)</li> <li>8. Sifriyani, Mandang, I., Amijaya, F.D.T., Ruslan, R. Developing geographically weighted panel regression model for spatio-temporal analysis Of COVID-19 positive cases in Kalimantan, Indonesia. <i>Journal of Southwest Jiaotong University</i>. Vol 57, No 3 (2022).</li> </ol>		
Activities in specialist bodies over the last 5 years	Indonesian Mathematics Society	Member	2018 until now





Name	Yuki Novia Nasution, S.Si., M.Sc.		
Post	Expertise: Applied Mathematics Designation: Undergraduate Program		
Academic career	Doctoral Degree (Mathematics)	Institut Teknologi Bandung	2022 until now
	Master Degree (Mathematics)	Universitas Gadjah Mada	2010-2012
	Bachelor Degree (Mathematics)	Institut Teknologi Bandung	2002-2006
Employment	Lecturer	Universitas Mulawarman	2008 until now
Research and development projects over the last 5 years	1. Modification of the Hill Cipher Method with Two Keywords and ASCII Code Characters, year 2021, Rp. 20.000.000,-		
Industry collaborations over the last 5 years	Project title Partners		
Patents and proprietary rights	Title		Year
Important publications over the last 5 years	<p>A. Hasan, <b>Y. Nasution</b>, A compartmental epidemic model incorporating probable cases to model COVID-19 outbreak in regions with limited testing capacity, <i>ISA Transactions</i>, Volume 124, 2022, Pages 157-163, <a href="https://doi.org/10.1016/j.isatra.2021.01.029">https://doi.org/10.1016/j.isatra.2021.01.029</a>.</p> <p>Hasan, A., <b>Nasution, Y.</b>, Hadi Susanto, Endah Putri, Venansius Tjahjono, Dila Puspita, Kamal Sukandar, Nuning Nuraini, &amp; Widyastuti. (2022). Modeling COVID-19 Transmissions and Evaluation of Large Scale Social Restriction in Jakarta, Indonesia. <i>Communication in Biomathematical Sciences</i>, 5(1), 90-100. <a href="https://doi.org/10.5614/cbms.2022.5.1.6">https://doi.org/10.5614/cbms.2022.5.1.6</a>.</p>		
Activities in specialist bodies over the last 5 years	Indonesian Mathematical Society (IndoMS)	Koordinator Sub Wilayah 3 (Kalimantan Timur)	2020-2022



Name	Qonita Qurrota A'yun, S.Si., M.Sc.		
Post	Lecturer in Mathematics		
Academic career	Master's Degree (Mathematics)	Universitas Gadjah Mada	2019
	Bachelor's Degree (Mathematics)	Universitas Gadjah Mada	2017
Employment	Coordinator	Undergraduate's Program in Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Mulawarman	2023 - now
	Lecturer	Undergraduate's Program in Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Mulawarman	2021 - now
Research and development projects over the last 5 years	<p><i>Diagnosis of Heart Disease Using a Hybrid Greedy Particle Swarm Optimization-Genetic Algorithm (2024)</i></p> <p><i>Graph Labeling with Local Region Coloring and the Application of Graph Theory to Max-Plus Algebra Queueing System Models (2023)</i></p> <p><i>Dynamic Analysis of Time Delay in a Phytoplankton-Zooplankton Model with Harvesting Influenced by Planktivorous Fish in Post-Mining Ponds (2022)</i></p> <p><i>Modification of the Hill Cipher Method Using Two Keywords and ASCII Code Characters (2021)</i></p>		
Industry collaborations over the last 5 years	<p><i>A Survey of the Strategic Price Information Center (PIHS) across Urban, District, and Regency Areas in East Kalimantan Province Bank Indonesia (2024 -)</i></p>		
Patents and proprietary rights	Title		Year



<p>Important publications over the last 5 years</p>	<p><i>Selected recent publications from a total of approx. (give total number):</i>  <i>Author(s)</i>  <i>Title</i>  <i>Any other information</i>  <i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i></p> <p><i>Pemodelan Sistem Antrean Pelayanan Pembayaran Pajak Kendaraan Bermotor Menggunakan Petri Net dan Aljabar Max-Plus di Samsat MT Haryono Samarinda, Journal of Mathematics Education and Science, Vol. 7/No. 1 p. 65-75/April 2024</i>  <i>Pelabelan Total Sisi Ajaib pada Graf Triangular Book Bt_n, Journal of Mathematics Education and Science, Vol. 7/No. 1 p. 53-57/April 2024</i>  <i>AN ORDER-P TENSOR MULTIPLICATION WITH CIRCULANT STRUCTURE, BAREKENG: Jurnal Ilmu Matematika dan Terapan, Vol. 17/No. 4/2023</i>  <i>Effects of harvesting and planktivorous fish on bioeconomic phytoplankton-zooplankton models with ratio-dependent response functions and time delays, Chaos, Solitons &amp; Fractals, Vol. 173/August 2023</i>  <i>Hill Cipher algorithm using two keywords and 94 ASCII characters, AIP Conference Proceedings, Vol. 2668/ No. 1/2022</i></p>		
<p>Activities in specialist bodies over the last 5 years</p>	<p><i>IndoMS (Indonesian Mathematics Society)</i> <i>KPA</i></p>		<p><i>Period</i></p>
	<p><i>Membership without a specific role need not be mentioned</i></p>		



Name	Moh. Nurul Huda, S.Si., M.Si.		
Post	Lecturer in Mathematics, Mathematical Modeling		
Academic career	currently studying for a doctoral degree (Mathematics)	Universitas Brawijaya	2024 - now
	Master's Degree (Mathematics)	Universitas Brawijaya	2017
	Bachelor's Degree (Mathematics)	Universitas Brawijaya	2015
Employment	Lecturer	Mathematics, Mulawarman University	2018- now
Research and development projects over the last 5 years	Dynamic Analysis of Time Delay in a Phytoplankton-Zooplankton Model with Harvesting Influenced by Planktivorous Fish in Post-Mining Ponds (2022)		
Industry collaborations over the last 5 years	Project title Partners		
Patents and proprietary rights	Title		Year
Important publications over the last 5 years	<ol style="list-style-type: none"> <li>1. Rohman M, Eryilmaz İ, Huda MN. Neutral Caputo-Fabrizio Fractional Differential Equation with Hyers-Ulam Stability. <i>Indones J Math Appl.</i> 2023;1(2):1–12.</li> <li>2. Huda MN, A'yun QQ, Wigantono S, Sandariria H, Raming I, Asmaidi A. Effects of harvesting and planktivorous fish on bioeconomic phytoplankton-zooplankton models with ratio-dependent response functions and time delays. <i>Chaos, Solitons &amp; Fractals.</i> 2023;173:113736.</li> <li>3. Huda MN. Real time epidemic modeling using Richards model: application for the Covid-19 outbreak in East Kalimantan, Indonesia. In: <i>Journal of Physics: Conference Series.</i> IOP Publishing; 2021. p. 12025.</li> <li>4. Huda MN, Amijaya FDT, Purnamasari I. The Effect of Harvesting Activities on Prey-Predator Fishery Model With Holling Type II in Toxicant Aquatic Ecosystem. <i>Aust J Math Anal Appl.</i> 2020;17(2):1–11.</li> </ol>		
	Indonesian Mathematics Society	Member	2019-Now





Activities in specialist bodies over the last 5 years	<i>Indonesian Biomathematics Society</i>	<i>Member</i>	<i>2022-Now</i>
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Name	Wasono, S.Si., M.Si.		
Post	Expertise: Optimization, Applied Mathematics, Statistics Designation: Undergraduate Program		
Academic career	Master's Degree (Statistics)	Institut Sepuluh November	2012
	Bachelor's Degree (Mathematics)	Universitas Jenderal Soedirman	2000
Employment	Coordinator Laboratory Computational Mathematics	Undergraduate's Program in Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Mulawarman	2017 - now
	Lecturer	Undergraduate's Program in Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Mulawarman	2017 - now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <li>1. Application Of Game Theory And Markov Chain For Strategy Optimization Towards E-Wallet Competition In Samarinda City, Year 2024, Rp. 9.350.000,00</li> <li>2. Laptop Marketing Strategy Analysis Using Fuzzy Logic-Based Game Theory in Determining Optimal Marketing Strategy for Vocational High School Students in Samarinda City, Year 2022, Rp. 15.000.000,00</li> <li>3. Analysis of Service Provider Competition Strategy in High School Students in Samarinda City Using Game Theory, Year 2022, Rp. 21.000.000,00</li> <li>4. Analysis of the Influence of Online Learning Media and Digital Literacy on Mathematics Learning Outcomes of Junior High School Students in Samarinda during the COVID-19 Pandemic with Dummy Variable Regression, year 2021, Rp. 40.000.000,00</li> <li>5. Modification of the Hill Cipher Method with Two Keywords and ASCII Code Characters, year 2021, Rp. 20.000.000,-</li> </ol>		



Industry collaborations over the last 5 years	Strategic Food Price Information Center Bank Indonesia		
Patents and proprietary rights	Tutorial on Using LaTeX Beamer in Creating Derivative and Integral Material Genetic Modified K-Nearest Neighbor Program for Classification of Dayak Onion, Red Onion, and Red Bombay Onion Images Using Python Programming Language Hill Cipher Algorithm Program Using Two Keywords and 94 ASCII Characters		2024  2023  2023
Important publications over the last 5 years	<ol style="list-style-type: none"> <li>Putri, D.F., Sandariria, H., Wasono, Kaindi, Y.P., and Fendiba, T.A.M. (2024). Local Vertex Antimagic Total Coloring of Path Graph and Amalgamation of Path. <i>CGANT Journal of Mathematics and Applications</i>.</li> <li>Kaindi, Y.P., Putri, D.F., and Wasono. (2023). Pewarnaan Lokal Wilayah Super Antimagic Total pada Graf Tangga dan Graf Tiga Tangga Melingkar. <i>Journal of Mathematics Education and Science (JaMES)</i>.</li> <li>Syaripuddin, Amijaya, F.D.T., Wasono, Tulzahrar, S., Suciati. 2024. Application Of Quadratic Programming On Portfolio Optimization Using Wolfe's Method And Particle Swarm Optimization Algorithm. <i>BAREKENG: Journal of Mathematics and Its Application</i>. Vol. 18, No. 2</li> <li>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. <i>AIP Conf. Proc.</i> 2668, 050006 (2022)</li> <li>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 City <i>AIP Conf. Proc.</i> 2668, 050006 (2022)</li> </ol>		
Activities in specialist bodies over the last 5 years	Indonesian Mathematics Society	Member	2018 until now



Name	Desi Febriani Putri, S.Si., M.Si.		
Post	Teaching area: Algebra and Combinatorics Designation: Bachelor of Mathematics		
Academic career	Masters's Degree (Mathematics)	University of Jember	2018
	Bachelor's Degree (Mathematics)	University of Jember	2016
Employment	Lecturer	Bachelor in Mathematics Program, Mulawarman University	2022 until now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <li>1. Local Anti-Magic Edge Coloring on Some Classes of Graphs, (2024), Rp 9.300.000</li> <li>2. Graph Labeling with Local Region Coloring and the Application of Graph Theory to Max-Plus Algebra Queueing System Models (2023), Rp 8.700.000</li> <li>3. Laptop Marketing Strategy Analysis Using Fuzzy Logic-Based Game Theory in Determining Optimal Marketing Strategy for Vocational High School Students in Samarinda City, (2022), Rp 15.000.000,-</li> </ol>		
Industry collaborations over the last 5 years	Survey of the Strategic Food Price Information Center (PIHPS) of Samarinda City, Bontang City, and Kutai Kartanegara Regency Collaboration with Bank Indonesia, East Kalimantan		
Patents and proprietary rights	<ol style="list-style-type: none"> <li>1. Ular Tangga Matematika SMP/MTS Kelas VII (Bilangan Bulat dan Aljabar)</li> <li>Kalkulus Elementer 1 - Topik Konsep Diferensial (Turunan)</li> <li>Modul Kalkulus Elementer</li> <li>Program Genetic Modified k-nearest Neighbor untuk Klasifikasi Citra Bawang Dayak, Bawang Merah, dan Bawang Bombay Merah menggunakan Bahasa Pemrograman Phyton</li> </ol>		2024  2024  2024 2023
Important publications over the last 5 years	<ol style="list-style-type: none"> <li>1. Yusak, M.Y., <b>Putri, D.F.</b>, and Syaripuddin. (2024). Penerapan Pewarnaan Graf Menggunakan Algoritma Welch-Powell pada Penjadwalan Mata Pelajaran SMP Terpadu Rea Kaltim Kembang Janggut. <i>Journal of Mathematics Education and Science (JaMES)</i>.</li> </ol>		





	<ol style="list-style-type: none"> <li>2. Fauzi, A.A, Ridwan, L.M, Agustini, D., <b>Putri, D.F.</b>, Tumilaar, R., Asmaidi, and Raming, I. (2024). <i>Natural Cubic Spline Method as a Method in Constructing a Life Table in Gegelang Village West Lombok</i>. <i>Eigen Mathematics Journal</i></li> <li>3. <b>Putri, D.F.</b>, Sandariria, H., Wasono, Kaindi, Y.P., and Fendiba, T.A.M. (2024). <i>Local Vertex Antimagic Total Coloring of Path Graph and Amalgamation of Path</i>. <i>CGANT Journal of Mathematics and Applications</i>.</li> <li>4. Kaindi, Y.P., <b>Putri, D.F.</b>, and Wasono. (2023). <i>Pewarnaan Lokal Wilayah Super Antimagic Total pada Graf Tangga dan Graf Tiga Tangga Melingkar</i>. <i>Journal of Mathematics Education and Science (JaMES)</i>.</li> <li>5. Asmaidi, Mulyadi, T.K., <b>Putri, D.F.</b>, and Tumilaar, R. (2023). <i>SEIRS Type Mathematical Model Simulation (COVID 19 Case)</i>. <i>Jurnal INOTERA</i></li> <li>6. Syahrief, F., Rumaisa, Y.A., Khairina, I.N, <b>Putri, D.F.</b>, Amijaya, F.D.T. (2023). <i>Implementasi Algoritma Welch-Powell dalam Penentuan Kecamatan Strategis dengan Pewarnaan Graf di Kabupaten Kutai Kartanegara</i>. <i>CGANT Journal of Mathematics and Applications</i>.</li> </ol>		
Activities in specialist bodies over the last 5 years	The Indonesian Mathematics Society (IndoMS)	Member	2022 until now



Name	<i>Hardina Sandariria</i>		
Post	<i>Algebra and Combinatorics</i>		
Academic career	<i>Master's Degree (Mathematics)</i>	<i>Universitas Gadjah Mada</i>	<i>2020</i>
	<i>Bachelor's Degree (Mathematics)</i>	<i>Universitas Sebelas Maret</i>	<i>2016</i>
Employment	<i>Lecturer</i>	<i>Undergraduate's Program in Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Mulawarman</i>	<i>2022-now</i>
Research and development projects over the last 5 years	<i>Local Anti-Magic Edge Coloring on Some Classes of Graphs (2024)</i> <i>Graph Labeling with Local Region Coloring and the Application of Graph Theory to Max-Plus Algebra Queueing System Models (2023)</i> <i>Dynamic Analysis of Time Delay in a Phytoplankton-Zooplankton Model with Harvesting Influenced by Planktivorous Fish in Post-Mining Ponds (2022)</i>		
Industry collaborations over the last 5 years	<i>A Survey of the Strategic Price Information Center (PIHS) across Urban, District, and Regency Areas in East Kalimantan Province</i> <i>Bank Indonesia (2024 -)</i>		
Patents and proprietary rights	<i>HKI?</i>		<i>Year</i>
Important publications over the last 5 years	1. Huda, M. N., A'yun, Q. Q., Wigantono, S., <b>Sandariria, H.</b> , Raming I, and Asmaidi, A., Effects of harvesting and planktivorous fish on bioeconomic phytoplankton-zooplankton models with ratio-dependent response functions and time delays, <i>Chaos, Solitons &amp; Fractals</i> , 173, 113736. 2023. 2. W. Wulandari, <b>H. Sandariria</b> , and W. Wasono, "Pelabelan Total Sisi Trimagic Super Pada Graf Calendula", <i>JaMES</i> , vol. 7, no. 1, pp. 59–63, Apr. 2024. 3. S Wigantono, Q. Q A'yun, <b>H. Sandariria</b> , A. T. R. Dani, and M. Fauziyah. Analisis Dinamik Model Matematika Penyebaran Penyakit Kecanduan Game Online dengan memperhatikan Faktor Edukasi, <i>MAp (Mathematics and Applications) Journal</i> . 2024.		
Activities in specialist bodies over the last 5 years	<i>IndoMS (Indonesian Mathematics Society)</i>	<i>??</i>	<i>Period</i>
	<i>Membership without a specific role need not be mentioned</i>		



Name	<i>Indriasri Raming, S.Si., M.Si.</i>		
Post	<i>Lecturer in Mathematics, Mathematical Modeling</i>		
Academic career	<i>Master's Degree (Mathematics)</i>	<i>Hasanuddin University</i>	<i>2019</i>
	<i>Bachelor's Degree (Mathematics)</i>	<i>Makassar State University</i>	<i>2008</i>
Employment	<i>Lecturer</i>	<i>Mulawarman University</i>	<i>2015 until now</i>
Research and development projects over the last 5 years	<i>Effects of Harvesting and Planktivorous Fish on Bioeconomic Phytoplankton-Zooplankton Models with Ratio-Dependent Response Functions and Time Delays</i>		
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Elementary Calculus</i>		<i>2024</i>
	<i>Introduction to Partial Differential Equations (PDE)</i>		<i>2024</i>
	<i>Mathematics Snakes and Ladders for Junior High School / MTS Grade VII (Integers and Algebra)</i>		<i>2024</i>
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (give total number):</i> <i>Author(s)</i> <i>Title</i> <i>Any other information</i> <i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i>		
Activities in specialist bodies over the last 5 years	<i>Indonesian Mathematics Society</i>	<i>Member</i>	<i>2022-2024</i>



Name	<i>Sri Wigantono</i>		
Post	<i>Lecturer in Mathematics, Mathematical Modeling</i>		
Academic career	<i>Master's Degree (Mathematics)</i>	<i>Universitas Gadjah Mada</i>	<i>2020</i>
	<i>Bachelor's Degree (Mathematics)</i>	<i>Universitas Airlangga</i>	<i>2016</i>
Employment	<i>Lecturer</i>	<i>Undergraduate's Program in Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Mulawarman</i>	<i>2022-now</i>
Research and development projects over the last 5 years	<i>Local Anti-Magic Edge Coloring on Some Classes of Graphs (2024)</i>  <i>LaTeX Training to Enhance Document and Mathematics Problem Writing Skills for Senior High School (SMA/MA) Teachers in Samarinda City (2024)</i>  <i>Dynamic Analysis of Time Delay in a Phytoplankton-Zooplankton Model with Harvesting Influenced by Planktivorous Fish in Post-Mining Ponds (2022)</i>		
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Mathematics Snakes and Ladders for Junior High School / MTS Grade VII (Integers and Algebra)</i>		<i>2024</i>
Important publications over the last 5 years	<i>1. S Wigantono, Q. Q A'yun, H. Sandariria, A. T. R. Dani, and M. Fauziyah. ANALISIS DINAMIK MODEL MATEMATIKA PENYEBARAN PENYAKIT KECANDUAN GAME ONLINE DENGAN MEMPERHATIKAN FAKTOR EDUKASI - MAp (Mathematics and Applications) Journal, 2024</i>		
Activities in specialist bodies over the last 5 years	<i>Indonesian Mathematics Society</i>	<i>Member</i>	<i>2022-Now</i>





Name	Asmaidi, S.Pd., M.Si.		
Post	Lecturer in Mathematics, Mathematical Modeling		
Academic career	Master's Degree (Mathematics)	IPB University	2014
	Bachelor's Degree (Mathematics Education)	Universitas Syiah Kuala	2010
Employment	Lecturer	Undergraduate's Program in Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Mulawarman	2021 - Now
Research and development projects over the last 5 years	<p><i>Stability Analysis of Mathematical Model of Spread of Covid19 SEIRS Type with Constant Birth Rate (2023)</i></p> <p><i>Effects of harvesting and planktivorous fish on bioeconomic phytoplankton-zooplankton models with ratio-dependent response functions and time delays (2023)</i></p> <p><i>SEIRS Type Mathematical Model Simulation (COVID19 Case) (2023)</i></p> <p><i>Encryption and Description of RGB Values in Images Using the Hill Chiper Algorithm (2024)</i></p> <p><i>LaTeX Training to Enhance Document and Mathematics Problem Writing Skills for Senior High School (SMA/MA) Teachers in Samarinda City (2024)</i></p> <p><i>Analysis of Inverse Distance Weighted (IDW) and Ordinary Kriging (OK) Interpolation for Coal Volume Estimation in the Sebuku Area, South Kalimantan (2024)</i></p> <p><i>Natural Cubic Spline Method as a Method in Constructing a Life Table in Gegelang Village West Lombok (2024)</i></p>		
Industry collaborations over the last 5 years	<p><i>A Survey of the Strategic Price Information Center (PIHS) across Urban, District, and Regency Areas in East Kalimantan Province Bank Indonesia (2024)</i></p>		



Patents and proprietary rights	<i>Mathematics Snakes and Ladders for Junior High School / MTS Grade VII (Integers and Algebra)</i>		2024
	<i>Elementary Calculus 1 - Topic Konsep Diferensial (Turunan)</i>		2024
	<i>Modul Kalkulus Elementer</i>		2024
Important publications over the last 5 years	<i>Stability Analysis of Mathematical Model of Spread of Covid19 SEIRS Type with Constant Birth Rate (2023)</i>  <i>SEIRS Type Mathematical Model Simulation (COVID19 Case) (2023)</i>  <i>Encryption and Description of RGB Values in Images Using the Hill Cipher Algorithm (2024)</i>  <i>LaTeX Training to Enhance Document and Mathematics Problem Writing Skills for Senior High School (SMA/MA) Teachers in Samarinda City (2024)</i>  <i>Analysis of Inverse Distance Weighted (IDW) and Ordinary Kriging (OK) Interpolation for Coal Volume Estimation in the Sebuku Area, South Kalimantan (2024)</i>		
Activities in specialist bodies over the last 5 years	<i>The Indonesian Mathematics Society (IndoMS)</i>	<i>Member</i>	2022 - 2024



Name	<i>Rinancy Tumilaar, S.Si., M.Si.</i>		
Post	<i>Lecturer in Mathematics, Mathematical Modeling</i>		
Academic career	<i>Master of Mathematics</i>	<i>IPB University</i>	<i>2014</i>
	<i>Bachelor of Mathematics</i>	<i>Sam Ratulangi University</i>	<i>2010</i>
Employment	<i>Lecturer</i>	<i>Sam Ratulangi University</i>	<i>2014-2023</i>
		<i>Mulawarman University</i>	<i>2023 until now</i>
Research and development projects over the last 5 years	<i>Name of project or research focus</i> <i>Period and any other information</i> <i>Partners, if applicable</i> <i>Amount of financing</i>		
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i>		<i>Year</i>
Important publications over the last 5 years	<p><i>Fauzi, A.A., Ridwan, L. M., Putri, D. F., Tumilaar, R. Asmaidi, Raming, I. (2024). Natural Cubic Spline Method as a Method in Constructing a Life Table in Gegelang Village West Lombok. Eigen Mathematics Journal, 7(1), 56-60.</i></p> <p><i>Asmaidi, Taqriri Kamal Mulyadi, Desi Febriani Putri, &amp; Rinancy Tumilaar. (2023). SEIRS Type Mathematical Model Simulation (COVID19 Case). Jurnal Inotera, 8(2), 359-366.</i></p> <p><i>Yohanes AR Langi, Tohap Manurung, Chriestie Montolalu, Rinancy Tumilaar, Martina Langi. (2023). Sustainable harvest system optimization model of cempaka tree (Elmerillia sp.) in carbon trade scenario. AIP Conference Proceedings.</i></p> <p><i>Septa Windy Nitalessy, Mans Lumiu Mananohas, Rinancy Tumilaar, Angelina Patricia Amanda, Tesalonika Angela Tumey. (2022). Maximum Distance Separable (MDS) Matrix of size <math>m \times m</math> over <math>Z_q</math>. Jurnal MIPA, Volume 11(2), 56-61</i></p>		



	<p><i>Princess Angel U.M., Yohanes A.R. Langi, &amp; Rinancy Tumilaar. (2021). SEIQR Model Analysis of COVID-19 Transmission Considering Vaccination Rate. ICON-SMART Proceedings, I, 61-69</i></p> <p><i>Rivaldo Andika Kaligis, Yohanes A.R. Langi, Rinancy Tumilaar. (2021). SEIR Model Analysis of Coronavirus Disease 2019 (Covid-19) Transmission Considering Vaccination Rates. ICON-SMART Proceedings. I, 70-75</i></p> <p><i>Yohanes Andreas Robert Langi, Altien Jonatan Rindengan, Charles Eferaim Mongi, Rinancy Tumilaar, Martina Langi. (2019). Optimal Model to Estimate Biomass and Carbon Stock at Agroforestry Stand Cempaka (Elmerillia Sp) in Minahasa District. International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-257, 169-172.</i></p> <p><i>S E Chungdinata, C E J C Montolalu, M L Mananohas, R Tumilaar, N Nainggolan, A J Rindengan, Y A R Langi. (2019). Optimization of coral reef conservation based on coral larval dispersion using hamiltonian path (case study: Bunaken National Park). IOP Conference Series: Materials Science and Engineering 567 (1), 012014</i></p>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Membership without a specific role need not be mentioned		

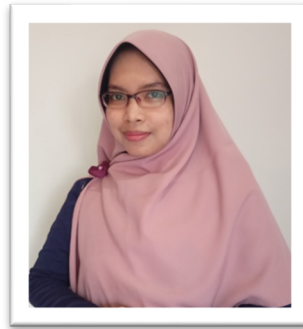


Name	Andri Azmul Fauzi, S.Si., M.Si.		
Post	Lecturer in Mathematics, Optimization, Applied Mathematics		
Academic career	Master of Mathematics	IPB University	2019
	Bachelor of Mathematics	Mataram University	2015
Employment	Lecturer	Mulawarman University	2023 until now
Research and development projects over the last 5 years	<i>Name of project or research focus</i> <i>Period and any other information</i> <i>Partners, if applicable</i> <i>Amount of financing</i>		
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i>		<i>Year</i>
Important publications over the last 5 years	<p>Fauzi, A.A., Ridwan, L. M., Putri, D. F., Tumilaar, R. Asmaidi, Raming, I. (2024). <i>Natural Cubic Spline Method as a Method in Constructing a Life Table in Gegelang Village West Lombok. Eigen Mathematics Journal</i>, 7(1), 56-60.</p> <p>Farha, I., Saputri, N.F., Elvita, M., Fauzi, A.A. Amijaya, F.D.T. (2024). <i>Klasterisasi Potensi Mahasiswa Program Studi Matematika Universitas Mulawarman Menggunakan Metode K-Means untuk Menyaring Mahasiswa Berprestasi. Milang Journal of Mathematics and Its Applications</i>, 20 (2), 89-99</p> <p>Inayati, R., Hasanah, N., Fauzi, A.A., Rusyada, G.N. (2024). <i>Efektivitas Pengembangan Modul Penuntun Praktikum Histologi Berbasis QR Code Terhadap Peningkatan Pemahaman Mahasiswa. METIK Jurnal</i>, 8 (2), 90-98</p> <p>Fauzi, A.A., Wasono, Asmaidi, Sandariria, H., Tumilaar, R., Syaripuddin, A'yun, Q.Q., Amijaya, F.D.T., Raming, I., Putri, D.F., Wigantono, S., Munfaati, R.H. (2024). <i>Pengenalan Penggunaan Latex Beamer dalam Pembuatan Media Pembelajaran Bagi Guru-Guru Matematika SMA/MA di Samarinda. Journal of Research Application in Community Service</i>, 3(4), 101-109.</p>		





	<i>Fauzi, A.A., Inayati, R., Tumilair, R. (2024). Edukasi Penanaman dan Penguatan Sikap Toleransi Beragama pada Remaja di Desa Kelayu. Diakoneo: Journal of Community Service, 2(1), 1-6</i>		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Membership without a specific role need not be mentioned</i>		



Name	<i>Rafika Husnia Munfa'ati, S.Si., M.Mat.</i>		
Post	<i>Lecturer in Mathematics, Algebra and Combinatorics</i>		
Academic career	<i>Master's Degree (Mathematics)</i>	<i>IPB University</i>	<i>2022</i>
	<i>Bachelor's Degree (Mathematics)</i>	<i>Brawijaya University</i>	<i>2017</i>
Employment	<i>Lecturer</i>	<i>Mulawarman University</i>	<i>2024 until now</i>
Research and development projects over the last 5 years	-		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	<i>Menyingkap Matematika di Balik Kriptografi (Unveiling the Mathematics Behind Cryptography)</i>	<i>National copyright (Educational video)</i>	<i>2024</i>
Important publications over the last 5 years	<ol style="list-style-type: none"> <li><i>The Application of Recursive Algorithm on Shamir's Scheme Reconstruction for Cheating Detection and Identification, Jambura J. Math., 4(1), 126-134, 2022. <a href="https://doi.org/10.34312/jjom.v4i1.12001">https://doi.org/10.34312/jjom.v4i1.12001</a></i></li> <li><i>Pengenalan Penggunaan Latex Beamer dalam Pembuatan Media Pembelajaran Bagi Guru-Guru Matematika SMA/MA di Samarinda, Journal of Research Applications in Community Service, 3(4), 101-109, 2024. <a href="https://doi.org/10.32665/jarcoms.v3i4.3488">https://doi.org/10.32665/jarcoms.v3i4.3488</a></i></li> </ol>		
Activities in specialist bodies over the last 5 years	<i>Indonesian Mathematics Society (IndoMS)</i>	<i>Member</i>	<i>2024 until now</i>