

Staff Handbook

Please fill out and submit one table per person.

Name	Nur Insani, S.Si., M.Sc., Ph.D		
Post	Statistics / Applied Mathematics		
Academic career	Doctoral Degree (Subject: Applied Mathematics & Statistics) Master Degree (Subject: Applied Mathematics / Optimisation / Data Mining) Undergraduate Degree (Subject: Applied Mathematics)	RMIT University, Australia Monash University, Australia Universitas Gadjah Mada (UGM), Indonesia	2022 2012 2003
Employment	Position: Lecturer	Employer: UNY	Period: Jan 2005 -Current
Research and development projects over the last 5 years	1. Algoritma Kriptografi Berbasis Barisan De Bruijn dan Logika Fuzzy (Cryptographic Algorithm Based on De Bruijn Sequences and Fuzzy Logic) Year: 2025 Partners: Sri Andayani, Musthofa (UNY, Indonesia) Amount of financing: Rp. 52.000.000,- 2. Optimalisasi Model Deep Learning untuk Prediksi Hama dan Penyakit Tanaman pada Perangkat Edge melalui Knowledge Distillation (Optimization of Deep Learning Models for Pest and Plant Disease Prediction on Edge Devices through Knowledge Distillation) Year: 2025 Partners: Sri Andayani, Thesa Adi Saputra Yusri (UNY, Indonesia) Amount of financing: Rp. 50.000.000,- 3. Analisis Prestasi Matematika pada Data PISA 2022 dengan Model Fuzzy Radial Basis Neural Network (Analysis of Mathematics Achievement in PISA 2022 Data Using the Fuzzy Radial Basis Neural Network Model) Year: 2025 Partners: Dhoriva Urwatul Wustqa, Luthfia Hanun Yuli Arini (UNY, Indonesia) Amount of financing: Rp. 18.000.000,- 4. Book Project: Artificial Neural Networks and Deep Learning: Theory, Algorithms, and Implementation Year: 2025 Partners: Sri Andayani, Thesa Adi Saputra Yusri (UNY, Indonesia) Amount of financing: Rp. 30.000.000,-		

	5. Moderating the Effect of Recovery Strategy on Perception of Service in Aviation Year: 2024 – 2025 Partners: Chrystal Zhang (RMIT University, Australia) Amount of financing: - 6. Flow Cytometry Project Year: 2024 – 2025 Partners: Inge Koch (RMIT University, Australia) Amount of financing: -
Industry collaborations over the last 5 years	1. Sosialisasi Penggunaan Software JASP dalam Pengolahan dan Analisis Data (Workshop on the Use of JASP Software for Data Processing and Analysis) Year: 2025 Partners: Retno Subekti, Eminugroho Ratna Sari, Fitriana Yuli Saptaningtyas, Indira Ihnu Briliant (UNY, Indonesia) Amount of financing: Rp. 30.000.000,- Industry collaborations: Sekolah Tinggi Keguruan dan Ilmu Pendidikan (STKIP) Yayasan Pendidikan Ujung Pandang (YPUP) Makassar 2. Pelatihan Statistika Dasar untuk Guru Pendamping Penelitian Siswa SMA/Sederajat (Basic Statistics Training for Research Mentor Teachers of Senior High School (or Equivalent) Students) Year: 2025 Partners: Dhoriva Urwatul Wustqa, Rizky Nur'aini, Ezra Putranda Setiawan, Luthfia Hanun Yuli Arini (UNY, Indonesia) Amount of financing: Rp. 10.000.000,- Industry collaborations: Musyawarah Guru Pembimbing Penelitian (MGPP) Daerah Istimewa Yogyakarta (Research Mentor Teachers' Forum of the Special Region of Yogyakarta)
Patents and proprietary rights	
Important publications over the last 5 years	International & National Journal Publications 1. Insani, N., Taheri, S., Abdollahian, M. A Mathematical Model for Integrated Disaster Relief Operations in Early-Stage Flood Scenarios, <i>Mathematics</i>, Vol. 12, No. 13, 2024, ISSN 2227 - 7390, https://doi.org/10.3390/math12131978 (Q2-Indexed) 2. Insani, N., Akman, D., Taheri, S., Hearne, J., Short-notice Flood Evacuation Plan under Dynamic Demand in High-Populated Areas, <i>International Journal of Disaster Risk Reduction</i>, Vol. 74, 2022, ISSN 2212-4209, https://doi.org/10.1016/j.ijdrr.2022.102844 (Q1 Indexed) 3. Islamiyati, D., Lestari, D., Insani, N. Application of Goal Programming in Dietary Planning for Elderly with Hypertension, <i>PYTHAGORAS: Jurnal Pendidikan Matematika</i>, Vol. 16, No. 2, Dec. 2021. ISSN 2527-421X. https://doi.org/10.21831/pythagoras.v16i2.36277 (Sinta 2-Indexed)

	International Conference 4. <i>Insani, N., Hearne J., Aksakalli, V., A Mass Evacuation Model in Pre-disaster Phase of Emergency Operation, The 38th Indonesia Forum Postgraduate Symposium, University of Melbourne, Australia, 30th November 2019.</i> 5. <i>Insani, N., Hearne J., Aksakalli, V., An Optimisation Approach for Emergency Evacuation Planning using Public Transportation. The 6th International Conference on Research, Implementation, and Education of Mathematics and Science (6th ICRIEMS), Yogyakarta State University, 12-13 July 2019.</i>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	<i>Indonesia Statistics Higher Education Forum (Forstat)</i>	<i>Member</i>	<i>2021 – Current</i>
	<i>Early Career and Student Statisticians network of Statistical Society of Australia</i>	<i>Member</i>	<i>2024 - 2025</i>
	<i>Australian Mathematical Society (AustMS)</i>	<i>Member</i>	<i>2024 - 2025</i>
	<i>Australian Society for Operation Research (ASOR)</i>	<i>Member</i>	<i>2020 - 2023</i>
	<i>Indonesia Mathematics Society (IndoMS)</i>	<i>Member</i>	<i>2015 - 2016</i>