



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Mathematics Department

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STAFF HANDBOOK

Name	Indarsih		
Post	Applied mathematics (Operation Research)		
Academic Career		Institution	Year
	Initial Academic Appointment	Universitas Gadjah Mada	1999
	Post Doctoral	-	-
	Doctoral Degree	Universitas Gadjah Mada	2015
	Master Degree	Universitas Gadjah Mada	2002
	Undergraduate Degree	Universitas Gadjah Mada	1997
Employment		Employer	Period
	Tenaga Pengajar/CPNS	Universitas Gadjah Mada	10-05-1999 - 30-03-2000
	Asisten Ahli Madya	Universitas Gadjah Mada	22-12-2000 - 31-03-2001
	Asisten Ahli	Universitas Gadjah Mada	31-03-2001 - 01-01-2004
	Lektor	Universitas Gadjah Mada	01-01-2004 – 10-11-2020
	Lektor Kepala	Universitas Gadjah Mada	10-11-2020 - now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> Faculty Mathematics and Natural Sciences UGM Research Project “Multi Item Production Inventory Model with Backorder and Price Elasticity of Fuzzy Demand (“Model Inventori Produksi Multi Item Pada Kasus Pemesanan Kembali dengan Elastisitas Harga Terhadap Permintaan Fuzzy”) Period: 2019 Amount of financing: IDR 15.000.000 Faculty Mathematics and Natural Sciences UGM Research Project “Production Inventory Model with Product Defected Fuzzy Probabilistic” (“Sistem Inventori Produksi dengan Probabilitas Cacat Produk Fuzzy”) Period: 2020 Amount of financing: IDR 15.000.000 		

	<p>3. Faculty Mathematics and Natural Sciences UGM Research Project “Production Inventory Model with Demand Rate Fuzzy Normal” (“Sistem Inventory Produksi dengan Laju Permintaan Berdistribusi Normal Fuzzy”) Period: 2021 Amount of financing: IDR 15.000.000</p> <p>4. Faculty Mathematics and Natural Sciences UGM Research Project “Goal Programming with Weighted to Solve Fuzzy Multi-Objektif “ (“Pendekatan Goal Programming dengan Pebobotan untuk Menyelesaikan Masalah Multi Objektif Fuzzy”) Period: 2022 Amount of financing: IDR 15.000.000</p>		
Industry collaborations over the last 5 years	Project title : Evaluation and Optimization Study of Routing Sea Toll in Indonesia Partners: Balitbang Kementerian Perhubungan		
Patents and proprietary rights	Title		Year
Important publications over the last 5 years	Selected recent publications form a total of approx.:		
	Efficiency Evaluation of Geo/Geo/1 Queue Performance Measure with Priority using Fuzzy Data Envelopment Analysis Engineering Letters, 31:2, EL_31_2_21 Volume 31, Issue 2: June 2023		
	Analysis of a Single Manufacturer Multi-Retailer Inventory Competition Using Supermodular Multi-Objective Games, Mathematical Modelling of Engineering Problems Vol. 9, No. 3, June, 2022, pp. 559-567		
	Analysis of the Single-Vendor–Multi-Buyer Inventory Model for Imperfect Quality with Controllable Lead Time IAENG International Journal of Applied Mathematics, 51:3, IJAM_51_3_23 : 2021		
	Drug Elimination in Two-Compartment Pharmacokinetic Models with Nonstandard Finite Difference Approach IAENG International Journal of Applied Mathematics, 50:2, JAM_50_2_25 Volume 50, Issue 2: June 2020		
	Backorders Case in Inventory Model with Fuzzy Demand and Fuzzy Lead Time IAENG International Journal of Computer Science, 46:3, IJCS_46_3_05 (Advance online publication: 12 August 2019)		
Activities in specialist bodies over the last 5 years <i>(Membership without a specific role need not be mentioned)</i>	Organization	Role	Period
	IndoMS	Treasurer	2020-2024