



# UNIVERSITAS GADJAH MADA

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## Undergraduate Programme in Mathematics

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## STAFF HANDBOOK

Name	Solikhatusun, Dr.		
Post	System and Control Theory		
Academic Career		Institution	Year
	Initial Academic Appointment	Universitas Gadjah Mada	2003
	Post Doctoral	-	-
	Doctoral Degree	Institut Teknologi Bandung, Indonesia	2016
	Master Degree	Universitas Gadjah Mada, Indonesia	2006
	Undergraduate Degree	Universitas Gadjah Mada, Indonesia	2003
Employment		Employer	Period
	Prospective Employee	Universitas Gadjah Mada	01-01-2005 – 01-02-2007
	Instructor	Universitas Gadjah Mada	01-02-2007 – 30-05-2012
	Assistant Professor	Universitas Gadjah Mada	01-06-2012 – now
	Associate Professor		
	Full Professor		
Research and development projects over the last 5 years	<i>Name Project : Robust Controller Design for Bilinear Systems on the Model of Cancer Chemoteraphy</i> <i>Period : 2016</i> <i>Amount of Pricing : IDR 47.000.000</i>		
Industry collaborations over the last 5 years	Project title :  Partners:		
Patents and proprietary rights		Title	Year
Selected recent publications form a total of approx.: 4			

Important publications over the last 5 years	<b>Solikhatusun</b> , Roberd Saragih and Endra Joelianto, “Reduced Order Bilinear Time Invariant System by Means of Error Transfer Function Least Upper Bounds”, <i>Nonlinear Dynamics and Systems Theory</i> , Vol 16 No 2, pp. 206-220 (2016).		
	<b>Solikhatusun</b> , Roberd Saragih, Endra Joelianto and Janson Naiborhu, "Robust $H_\infty$ Control for Bilinear Systems Using the Dynamic Takagi-Sugeno Fuzzy Models Based on Linear Matrix Inequalities", <i>International Journal of Control and Automation</i> , Vol 9 No 7, pp. 7-22 (2016).		
	<b>Solikhatusun</b> , R. Saragih and E. Joelianto, “Least upper bounds of error transfer function of reduced order bilinear time invariant systems”, <i>Proceeding of 2nd 2013 IEEE Conference on Control Systems and Industrial Informatics (ICCSII)</i> , pp. 178-183 (2013).		
	<b>Solikhatusun</b> , R. Saragih and E. Joelianto, “Reduced order bilinear time invariant system using singular perturbation”, <i>Proceeding of The 3rd International Conference on Instrumentation, Control and Automation</i> , pp. 92-97 (2013).		
Activities in specialist bodies over the last 5 years <i>(Membership without a specific role need not be mentioned)</i>	Organization	Role	Period