

STAFF HANDBOOK



Name:	A'yunin Sofro, Ph.D			
Position:	Associate Professor in Statistics			
Academic Career:				
	Career	Expertise	University	Year
	Undergraduate	Mathematics	Universitas Brawijaya	1998-2003
	Lecturer	Mathematics	Universitas Negeri Surabaya	2005
	Master	Statistics	Institut Teknologi Sepuluh Nopember	2007-2009
	Doctorate	Statistika	Newcastle University, United Kingdom	2012-2016
	Training	● Publishing with IEEE workshop	Newcastle University, UK	2015
		● An efficient R workshop	Newcastle University, UK	2014
		● Graduate Training Programme in Statistics Methods for Spatial and Spatio-temporal in Health Data	Newcastle University, UK	2014
		Glasgow University, UK	2013	
● Training in Nonparametric Regression Models and Geostatistics		Warwick University, UK	2013	
			2013	
● Training in Applied Stochastic and Computer Intensive Statistics	Nottingham University, UK			
	Durham University, UK	2013		
● Taining in Statistical Modelling and Asymptotics	Cambridge University, UK	2012		

	• Training in Generalized Linear Mixed Models and Spatial Analysis • Training in Statistical Inference and Computation																																	
Employment	<table><tr><th>Position</th><th>Employer</th><th>Period</th></tr><tr><td>Lecturer</td><td>Mathematics Department unesa</td><td>2005 - sekarang</td></tr></table>				Position	Employer	Period	Lecturer	Mathematics Department unesa	2005 - sekarang																								
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Research and development projects over the last 5 years	<table><tr><th>No</th><th>Name of project</th><th>Period</th><th>Partners</th><th>Amount</th></tr><tr><td>1</td><td>Analisis Perubahan Iklim dengan Menggunakan Teori Nilai Ekstrim Bivariate</td><td>2019-2020</td><td>Affiati Oktaviarina, M.Sc</td><td>Rp. 10.000.000,-</td></tr><tr><td>2.</td><td>Analisis Perubahan Iklim dengan Menggunakan Teori Nilai Ekstrim</td><td>2018-2019</td><td>Affiati Oktaviarina, M.Sc</td><td>Rp. 10.000.000,-</td></tr><tr><td>3.</td><td>Penalaran Kovariasional Mahasiswa S1 Dan S2 Pendidikan Matematika</td><td>2018-2019</td><td>Dr. Yusuf Fuad, M. App.Sc dan Rooselyna Ekawati, M.Sc</td><td>Rp. 50.000.000,-</td></tr><tr><td>4.</td><td>Prediksi Gas Emisi CO2 Menggunakan Regresi Gaussian Proses Logistik</td><td>2017-2018</td><td>Affiati Oktaviarina, M.Sc</td><td>Rp. 10.000.000,-</td></tr><tr><td>5.</td><td>Analisis Nilai IPK dan Skor TOEFL Mahasiswa Program Pascasarjana Pendidikan Olahraga Universitas Negeri Surabaya Menggunakan Regresi Logistik Bivariat</td><td>2017-2018</td><td>Dr Edi Mintarto dan Dr Oce Wirawan</td><td>Rp. 65.000.000,-</td></tr></table>				No	Name of project	Period	Partners	Amount	1	Analisis Perubahan Iklim dengan Menggunakan Teori Nilai Ekstrim Bivariate	2019-2020	Affiati Oktaviarina, M.Sc	Rp. 10.000.000,-	2.	Analisis Perubahan Iklim dengan Menggunakan Teori Nilai Ekstrim	2018-2019	Affiati Oktaviarina, M.Sc	Rp. 10.000.000,-	3.	Penalaran Kovariasional Mahasiswa S1 Dan S2 Pendidikan Matematika	2018-2019	Dr. Yusuf Fuad, M. App.Sc dan Rooselyna Ekawati, M.Sc	Rp. 50.000.000,-	4.	Prediksi Gas Emisi CO2 Menggunakan Regresi Gaussian Proses Logistik	2017-2018	Affiati Oktaviarina, M.Sc	Rp. 10.000.000,-	5.	Analisis Nilai IPK dan Skor TOEFL Mahasiswa Program Pascasarjana Pendidikan Olahraga Universitas Negeri Surabaya Menggunakan Regresi Logistik Bivariat	2017-2018	Dr Edi Mintarto dan Dr Oce Wirawan	Rp. 65.000.000,-
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Industry collaboration over last 5 years																																		

Patents and proprietary rights			
Important publications over last 5 years	No	Authors	A'yunin Sofro
	1	Title	Regression analysis for multivariate process data of counts using convolved Gaussian processes
		Publisher, place of publications, volume, issue, page number	Elsevier, Journal of Statistical Planning and Inference Volume 206, May 2020, Pages 57-74
	2	Title	Split and Conquer Method in Penalized Logistic Regression with Lasso (Application on Credit Scoring Data)
		Publisher, place of publications, volume, issue, page number	IOP Publishing Ltd, Journal of Physics: Conference Series 1108 (1), 2018, 012107
	3	Title	Analysis of Hypertension Disease Using Logistic and Probit Regression
		Publisher, place of publications, volum, issue, page number	IOP Publishing Ltd, Journal of Physics: Conference Series 1108 (1), 2018, 012054
	4	Title	Analysis Dengue Fever and Malaria Cases Using Generalized Multivariate Conditional Autoregressive Model
		Publisher, place of publications, volume, issue, page number	IOP Publishing Ltd, Journal of Physics: Conference Series 1108 (1), 2018, 012065
	5	Title	Gaussian Process Regression Model in Spatial Logistic Regression
		Publisher, place of publications, volume, issue, page number	IOP Publishing Ltd, Journal of Physics: Conference Series 947, 2018, 012005
	6	Title	Generalized Extreme Value for Climate Change Analysis
		Publisher, place of publications, volume, issue, page number	Atlantis Press, International Conference on Science and Technology (ICST 2018), 2018
	7	Title	Analisis Longitudinal pada Data Pasien Diabetes Melitus

		Publisher, place of publications, volume, issue, page number	Jurnal Ilmiah Teori dan Aplikasi Statistika, Vol 12 No 1 (2019): 13-19												
	8	Title	Aplikasi Extreme Value Theory Pada Kasus Kecepatan Angin Di Jawa Timur												
		Publisher, place of publications, volume, issue, page number	Jurnal Ilmiah Teori dan Aplikasi Statistika, Vol 12 No 1 (2019): , 1-6												
	9	Title	Analisis Faktor-Faktor yang Mempengaruhi Jumlah Kematian Ibu dan Bayi di Provinsi Jawa Tengah Menggunakan Regresi Bivariat Poisson												
		Publisher, place of publications, volume, issue, page number	Jurnal Matematika" MANTIK" 4, 2, 110-115												
Activities in specialist bodies over the last 5 years	<table><tr><th>Organisation</th><th>Position</th><th>Period</th></tr><tr><td>INDO-MS</td><td>Member</td><td>2014-</td></tr><tr><td>RSS</td><td>Member</td><td>2012-2016</td></tr><tr><td>The European Mathematical Society</td><td>Member</td><td>2018-2019</td></tr></table>			Organisation	Position	Period	INDO-MS	Member	2014-	RSS	Member	2012-2016	The European Mathematical Society	Member	2018-2019
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