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STAFF HANDBOOK

Name	Fajar Adi Kusumo, Dr.		
Post	Dynamical System		
Academic Career		Institution	Year
	Initial Academic Appointment	Universitas Gadjah Mada	2000
	Post Doctoral	-	-
	Doctoral Degree	Institut Teknologi Bandung, Indonesia	2008
	Master Degree	Institut Teknologi Bandung, Indonesia	2002
	Undergraduate Degree	Universitas Gadjah Mada, Indonesia	1999
Employment		Employer	Period
	Prospective Employee	Universitas Gadjah Mada	01-12-2002 – 31-10-2004
	Instructor	Universitas Gadjah Mada	01-11-2004 – 30-06-2009
	Assistant Professor	Universitas Gadjah Mada	01-07-2009 – now
	Associate Professor		
	Full Professor		
Research and development projects over the last 5 years	<p><i>Name Project : Mathematical Modeling of Cancer Prognosis</i> <i>Period : 2016 – 2018</i> <i>Partner : Faculty of Medicine UGM</i> <i>Amount of Financing : IDR 600.000.000</i></p> <p><i>Name Project : Development of the Weather Prediction Model to Anticipate the Extreme Weather and Climate Change</i> <i>Period : 2015 – 2016</i> <i>Amount of Pricing : IDR 180.000.000</i></p>		
Industry collaborations over the last 5 years	<p>Project title :</p> <p>Partners:</p>		

Patents and proprietary rights	Title		Year
Important publications over the last 5 years	Selected recent publications form a total of approx.: 9		
	<p>Adi-Kusumo, F., Wiraya, A., Mathematical modeling of the cells repair regulations in Nasopharyngeal carcinoma, <i>Mathematical Biosciences</i>, 277 (2016) 108-116.</p>		
	<p>Adi-Kusumo, F., Gunardi, Utami, H., Nurjani, E., Sopaheluwakan, A., Endrayanto, I.A., Christiawan, T., Application of the empirical orthogonal function to study the rainfall pattern in Daerah Istimewa Yogyakarta province, <i>AIP Conference Proceedings</i>, Vol 1707, 05001 (2016).</p>		
	<p>Adi-Kusumo, F., Winanda, R. S., Bifurcation Analysis of The Cervical Cancer Cells, Effector Cells, And Il-2 Compounds Interaction Model with Immunotherapy, <i>Far East Journal of Mathematical Sciences</i>, Vol 99., no 6, (2016), 869-883.</p>		
	<p>Gunardi, Adi-Kusumo, F., Endrayanto, I.A., Utami, H., Nitisapto, M., Wijaya, T.A., Climate Change Detection Using Bayesian Change Point Method for Improving the Traditional Cropping Calendar in DIY Province Indonesia, <i>International Journal of Computing and Optimization</i>, Vol 3, no 1, (2016) 11-20.</p>		
	<p>Asih, T.S.N, Lenhart, S., Wise, S., Aryati, L., Adi-Kusumo, F., Hardianti, M. S., Forde, J., The Dynamics of HPV Infection and Cervical Cancer Cells, <i>Bull Math Biol</i>, (2016) 78:4-20</p>		
	<p>Asih, T.S.N., Adi-Kusumo, F., Aryati, L., Hardianti, M.S., The Metastasis Behavior In The Cervical Cancer Mathematical Model, <i>Far East Journal of Mathematical Sciences</i>, Vol 96, 8, 981 – 990, 2015</p>		
	<p>Adi-Kusumo, F., Aini, A. N., Endrayanto, I. A., Gunardi, Bifurcation Analysis in a Dengue Disease Model with Two Virus Serotypes, <i>Int. J. Appl. Math. Stat.</i>, Vol. 53; Issue No. 6; Year 2015.</p>		
	<p>Adi-Kusumo, F., Aini, A. N., Ridwan, M., Analysis of the Dengue Disease Model with Two Virus Strain, <i>AIP Conference Proceedings</i> 1587, 7 (2014)</p>		
	<p>Tuwankotta, J.M., Adi-Kusumo, F., Ivanky, K.V.I., A Three-dimensional Singularly Perturbed Conservative System with Symmetry breaking, <i>J. Phys. A: Math. Theor.</i> 46 (2013) 305101 (15pp)</p>		
Activities in specialist bodies over the last 5 years	Organization	Role	Period

<i>(Membership without a specific role need not be mentioned)</i>			
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