STAFF HANDBOOK

Name	Gatot Fatwanto Hertono		
Expertise	Scientific Computing		
Academic career		Institution	Year
	Undergraduate degree	Universitas Indonesia	1986
	Master degree	Michigan State University, USA	1991
	Doctoral degree	The University of Queensland, Australia	2002
	Post-doctoral	-	-
Employment	Position	Employer	Period
	Lecturer **Assistant professor**	**UI** **UI**	**1987 – 1991** **1991 – now**
Research and development projects over the last 5 years	1. Riset PUTI Q3, "Predicting Dengue Incidence Hot Spot in the DKI Jakarta Province using Support Vector Regression Method and Getis-Ord Gi Star Statistic", Period 2020-2021, Partner: Hengki Tasman, Valentino Vito Amount of financing: Rp. 50.000.000,- 2. Riset PUTI Prosiding, "Predicting Dengue Incidence in the DKI Jakarta Province using Neural Network Methods", Period 2020-2021, Partner Dipo Aldila, Devvi Sarwinda, Fadel Muhammad, Hajratul Hasanah, Yuda Sukama Amount of financing: Rp. 23.071.000,- 3. Collaboration Research: UT-UI, "A Machine Model of Student Success Prediction in Online Learning", Period 2021, Partner: Endang Wahyuningrum, Yumiati, Selly Anastassia Amelia Kharis, T. Ahmad Danial, Dimas, Sam Rizky Irawan Amount of financing: Rp. 150.000.000,-		
Industry collaborations over the last 5 years	1. Project title : Higher Education Curriculum Development Guidebook Partners : Directorate of Learning and Student Affairs, Ministry of Higher Education, Research and Technology 2. Project title : Student Centre Learning Implementation Guidebook Partners : Directorate of Learning and Student Affairs, Ministry of Higher Education, Research and Technology 3. Project title : Higher Education Accreditation Assessment		

	Partners: Higher Education-National Accreditation Board
	4. Project title: Selection of Matching-Fund Program
	  Partners: Directorate of Institution, Ministry of Higher Education, Research and Technology
	5. Project title: Selection of Kampus Merdeka Competitive Program (PKKM)
	  Partners: Ministry of Higher Education, Research and Technology

Patents and proprietary rights	Title	Year

Important publications over the last 5 years	Selected recent publications
	1. Handari, B.D., Niman, I.M.S., Hasan, A., Purba, J.R.P., Hertono, G.F., Comparation of elman neural network, long short-term memory, and gated recurrent unit in predicting dengue hemorrhagic fever at DKI Jakarta", Communications in Mathematical Biology and Neuroscience, vol. 2021, p. 87., 2021 2. Tanawi, I.N., Vito, V., Sarwinda, D., Tasman, H., Hertono, G.F., "Support Vector Regression for Predicting the Number of Dengue Incidents in DKI Jakarta", Procedia Computer Science, Vol. 179, pp. 747-753, 2021

Activities in specialist bodies over the last 5 years	Organization	Role	Period
	1. Indonesia Mathematic Society (IndoMS)	Member	2006-now
	2. Higher Education-National Accreditation Board (BAN-PT)	Assessor	2007-now
	3. Higher Education Board (DPT), MOHERT	Reviewer	2006-now