



UNIVERSITAS INDONESIA

Faculty of Mathematics and Natural Sciences

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STAFF HANDBOOK

Name	Gianinna Ardanewari, M.Si.		
Expertise	Computational Mathematics, Bioinformatics		
Academic career		Institution	Year
	Undergraduate degree	Universitas Indonesia	2009 – 2013
	Master degree	Universitas Indonesia	2015 - 2017
	Doctoral degree	-	-
	Post-doctoral	-	-
Employment	Position	Employer	Period
	Lecturer	Universitas Indonesia	2017 – now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. FMIPA UI research grant scheme, “Classification of Coronavirus Protein Sequences Cause Covid-19 using Machine Learning Approach”, Period: 2021, Partner: Siti Aminah, S.Si., M.Kom (PI), Amount of financing Rp. 34.000.000,- 2. Universitas Indonesia with PUTI Proceeding research grant scheme, “Sensitivity analysis of the basic reproduction number on a communicable diseases”, Period: 2020 Partner: Dr. Dipo Aldila (PI) Amount of financing: IDR. 23.028.300,- 		
Industry collaborations over the last 5 years	<ol style="list-style-type: none"> 1. Project title : “Validasi Standar Setting Asesmen Kompetensi Minimum (AKM)” Partners : Pusat Asesmen dan Pembelajaran, Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi – Indonesia. 2. Project title : “Pelatihan Matematika GASING Tingkat SD untuk Yayasan Warga Upadaya, Bogor, Indonesia” Partners : PT Sure Indonesia 3. Project title : “Telaah Soal Ujian Nasional (UN) oleh Dosen” Partners : Pusat Penilaian Pendidikan, Kementerian Pendidikan dan Kebudayaan – Indonesia. 4. Project title : “Validasi Naskah Ujian Nasional (UN) Tahun 2020” Partners : Pusat Penilaian Pendidikan, Kementerian Pendidikan dan Kebudayaan – Indonesia. 5. Project title : “Cloud Study Jam Math UI DSI X Google” Partners : Data Science Indonesia (DSI), Google Indonesia. 		
Patents and proprietary rights	Title	Year	

Important publications over the last 5 years	Selected recent publications		
Scholar UI ID	-		
Activities in specialist bodies over the last 5 years	Organization Indonesian Mathematical Society (IndoMS)	Role Member	Period 2020 – now
	<ol style="list-style-type: none"> 1. AN Augustizhafira, H Murfi, G Ardaneswari, The accuracy of transfer learning using neural network method for sentiment analysis problem on Indonesian tweets, <i>Journal of Physics: Conference Series</i> 1725 (1), 012015, 2021. 2. E Tamalia, D Aldila, G Ardaneswari, Mathematical Model of Malaria Superinfection Transmission with Medical Treatment and Fumigation Interventions, <i>MISEIC</i>, 2020. 3. S Merina, A Bustamam, G Ardaneswari, Implementation of The Binary Inclusion-Maximal Biclustering Algorithm on Adenoma Microarray Gene Expression Data, <i>2nd International Conference on Informatics and Computational Sciences (ICICoS)</i>, IEEE page 1-6, 2018. 4. A Bustamam, D Sarwinda, G Ardenaswari, Texture and gene expression analysis of the mri brain in detection of alzheimer’s disease, <i>Journal of Artificial Intelligence and Soft Computing Research</i> 8 (2), 111-120, 2018. 5. G Ardaneswari, A Bustamam, D Sarwinda, Implementation of plaid model biclustering method on microarray of carcinoma and adenoma tumor gene expression data, <i>Journal of Physics: Conference Series</i> 893 (1), 012046, 2017. 6. D Sarwinda, A Bustamam, G Ardaneswari, Non-negative matrix factorization in texture feature for classification of dementia with MRI data, <i>AIP Conference Proceedings</i> 1862 (1), 030148, 2017. 7. D Lestari, A Bustamam, T Novianti, G Ardaneswari, Application of Quaternion in improving the quality of global sequence alignment scores for an ambiguous sequence target in Streptococcus pneumoniae DNA, <i>AIP Conference Proceedings</i> 1862 (1), 030122, 2017. 8. G Ardaneswari, A Bustamam, T Siswantining, Implementation of parallel k-means algorithm for two-phase method biclustering in Carcinoma tumor gene expression data, <i>AIP Conference Proceedings</i> 1825 (1), 020004, 2017. 		