



UNIVERSITAS NEGERI YOGYAKARTA

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STAFF HANDBOOK

Name	Dhoriva Urwatul Wustqa, M.S., Dr.		
Expertise	Statistics; Neural Networks		
Academic Career	Initial Academic Appointment	Institution	Year
		Universitas Negeri Yogyakarta	1993
Academic Background	1. Post Doctoral	-	-
	2. Doctoral Degree	Universitas Gadjah Mada	2008
	3. Master Degree	Institut Teknologi Bandung	1992
	4. Undergraduate Degree	Universitas Gadjah Mada	1989
Employment	Position	Employer	Period
	1. Tenaga Pengajar/CPNS	Universitas Negeri Yogyakarta	01/03/1993 - 01/02/1995
	2. Asisten Ahli Madya	Universitas Negeri Yogyakarta	01/02/1995 - 01/11/1999
	3. Asisten Ahli	Universitas Negeri Yogyakarta	01/11/1999 - 01/06/2003
	4. Instructor (Lektor Muda)	Universitas Negeri Yogyakarta	
	5. Assistant Professor (Lektor)	Universitas Negeri Yogyakarta	01/06/2003 - 01/01/2011
	6. Associate Professor (Lektor Kepala)	Universitas Negeri Yogyakarta	01/01/2011 - sekarang
Research and development projects over the last 5 years	1. Hibah Bersaing tahun I, Kemristekdikti "Mengkonstruksi Program Terpakai Metode Simpleks Fuzzy Menggunakan A Mathematical Programming Language untuk Menyelesaikan Masalah Pemrograman Linear Fuzzy dan Aplikasinya pada Bidang Ekonomi" Periode: 2014 Partner: Dr. Karyati S.Si, M.Si.; Nur Insani, S.Si., M.Sc. Amount of financing: IDR 48.000.000,-		
	2. Research Group "Pengaruh Preprocessing Citra Koloskopi pada Keakuratan Deteksi Stadium Kanker Serviks dengan model Radial Basis Function Neural Network (RBFNN) Fuzzy C-means Clustering" Periode: 2015 Partner: Rosita Kusumawati, S.Si., M.Sc.; Retno Subekti, S.Si., M.Sc. Amount of financing: IDR 10.000.000,-		

	<p>3. Hibah Bersaing tahun II, Kemenristekdikti "Mengkonstruksi Program Terpakai Metode Simpleks Fuzzy Menggunakan A Mathematical Programming Language untuk Menyelesaikan Masalah Pemrograman Linear Fuzzy dan Aplikasinya pada Bidang Ekonomi" Periode: 2015 Partner: Dr. Karyati S.Si, M.Si.; Nur Insani, S.Si., M.Sc. Amount of financing: IDR 55.000.000,-</p>
	<p>4. Hibah Bersaing tahun III, Kemenristekdikti "Mengkonstruksi Program Terpakai Metode Simpleks Fuzzy Menggunakan A Mathematical Programming Language untuk Menyelesaikan Masalah Pemrograman Linear Fuzzy dan Aplikasinya pada Bidang Ekonomi" Periode: 2016 Partner: Dr. Karyati S.Si, M.Si.; Nur Insani, S.Si., M.Sc. Amount of financing: IDR 50.000.000,-</p>
	<p>5. Penelitian Terapan Tahun I, Kemenristekdikti "Menyelesaikan Masalah Pemrograman Linear Fuzzy Dengan Pendektan Pemrograman Linear Interval Dan Aplikasinya Pada Bidang Ekonomi " Periode: 2017 Partner: Dr. Karyati S.Si, M.Si.; Nikenasih Binatari, S.Si., M.Si. Amount of financing: IDR 75.000.000,-</p>
	<p>6. Penelitian Terapan Tahun II, Kemenristekdikti "Menyelesaikan Masalah Pemrograman Linear Fuzzy Dengan Pendektan Pemrograman Linear Interval Dan Aplikasinya Pada Bidang Ekonomi " Periode: 2018 Partner: Dr. Karyati S.Si, M.Si.; Nikenasih Binatari, S.Si., M.Si. Amount of financing: IDR 70.000.000,-</p>
	<p>7. Penelitian Terapan Tahun III, Kemenristekdikti "Menyelesaikan Masalah Pemrograman Linear Fuzzy Dengan Pendektan Pemrograman Linear Interval Dan Aplikasinya Pada Bidang Ekonomi " Periode: 2019 Partner: Dr. Karyati S.Si, M.Si.; Nikenasih Binatari, S.Si., M.Si. Amount of financing: IDR 93.000.000,-</p>
	<p>8. Penelitian Tesis, Kemenristekdikti "Keefektifan metode pembelajaran pendekatan kontekstual dengan strategi the power of two ditinjau dari kemampuan koneksi, kemandirian belajar, dan hasil belajar matematika siswa SMP" Periode: 2019 Partner: Dr. Jailani, M.Pd. Amount of financing: IDR 56.400.000,-</p>
	<p>9. Penelitian Tesis, Kemenristekdikti "Pembentukan Metode Klustering pada data Hybrid Crisp-Fuzzy dan Penerapannya pada Pemetaan Daerah Bencana di Indonesia" Periode: 2019 Partner: Dr. Sri Andayani, M.Kom.; Kismiantini, Ph.D. Amount of financing: IDR 69.300.000,-</p>
Industry collaborations over the last 5 years	<p>1. Project Title: Interviewer Beasiswa S2/S3 (2015 - 2018) Partners: LPDP</p>
	<p>2. Project Title: Workshop Penyusunan Perangkat Pembelajaran Matematika Sekolah Menengah Berbasis Budaya Lokal (2015) Partners: PPs UNY</p>
	<p>3. Project Title: Workshop Program R untuk Analisis Data Statistika (2015) Partners: FMIPA UNY</p>

	4. Project Title: Workshop Penyusunan Perangkat Pembelajaran Matematika Sekolah Menengah Pertama Berbasis Budaya Jawa di Yogyakarta (2016) Partners: PPs UNY				
	5. Project Title: Workshop Program R untuk Analisa Data Statistika Nonparametrik (2016) Partners: FMIPA UNY				
	6. Project Title: Workshop Program R untuk Analisa Data Multivariat (2017) Partners: FMIPA UNY				
	7. Project Title: Workshop Diagnostik dan Remedial pada Analisis Regresi (2018) Partners: DIPA UNY				
	8. Project Title: Workshop Analisis Variansi dengan R (2018) Partners: Universitas Sarjanawiyata Tamansiswa				
	9. Project Title: Workshop Analisis Faktor untuk Dana Penelitian Ilmu Sosial dan Kependidikan (2019) Partners: PPM Kelompok Dosen				
Patents and proprietary rights	<table border="1"> <thead> <tr> <th>Title</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Title	Year		
Title	Year				
Important publications over the last 5 years	<p style="text-align: center;">Selected recent publications form a total of approx.:</p> <ol style="list-style-type: none"> Abadi, A., & Wutsqa, D. (2014). OPTIMIZATION OF NEURO FUZZY MODEL FOR DATA TIME SERIES WITH SINGULAR VALUE DECOMPOSITION METHOD. Jurnal Penelitian Saintek, 18(1). doi:https://doi.org/10.21831/jps.v18i1.1836 Wutsqa, D., Subekti, R., & Kusumawati, R. (2016). Radial basis function neural network for views prediction on Black-Litterman model. <i>Journal of Innovative Technology and Education</i>, 3(1), 71-78. DOI: http://dx.doi.org/10.12988/jite.2016.6721 Karyati, K., Wutsqa, D., & Insani, N. (2016). The trapezoidal fuzzy number linear programming. <i>Journal of Innovative Technology and Education</i>, 3(1), 123-130. DOI: http://dx.doi.org/10.12988/jite.2016.6825 Wutsqa, D., & Setiadi, R.P. (2017). Point Operation to Enhance the Performance of Fuzzy Neural Network Model for Breast Cancer Classification. <i>Journal of Engineering and Applied Sciences</i>, 12(17), 4405-4410. DOI: 10.3923/jeasci.2017.4405.4410 URL: http://medwelljournals.com/abstract/?doi=jeasci.2017.4405.4410 Wutsqa, D.U., & Marwah, M. (2017). Median Filter Noise Reduction of Image and Backpropagation Neural Network Model for Cervical Cancer Classification. <i>Journal of Physics: Conference Series</i>, 855(1), p.012062. doi:10.1088/1742-6596/855/1/012062 Abadi, A.M., Wutsqa, D.U., & Pamungkas, L.R. (2017). Detection of lung cancer using radiograph images enhancement and radial basis function classifier. 2017 10th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI), Shanghai, pp. 1-6. DOI: 10.1109/CISP-BMEI.2017.8302052 Wutsqa, D.U., & Mandadara, H.L.R. (2017). Lung cancer classification using radial basis function neural network model with point operation. 2017 10th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI), Shanghai, pp. 1-6. DOI: 10.1109/CISP-BMEI.2017.8302285 				

	8. Karyati, K., Wutsqa, D. , & Insani, N. (2018). Yager's ranking method for solving the trapezoidal fuzzy number linear programming . Journal of Physics: Conference Series, 983(1), p.012135. doi :10.1088/1742-6596/983/1/012135
	9. Azizah, N., A'yun, K., Septiarini, T.W., Wutsqa, D.U. , & Abadi, A.M. (2018). Optimization of fuzzy inference system by using table look-up method to predict white sugar price in the international market . Journal of Physics: Conference Series, 1097(1), p.012074. doi :10.1088/1742-6596/1097/1/012074
	10. Sari, M.P., & Wutsqa, D. (2018). Can the problem-based learning model affect students' mathematical literacy ability and emotional intelligence? Journal of Physics: Conference Series, 1097(1), p.012125. DOI: 10.1088/1742-6596/1097/1/012125 URL: https://iopscience.iop.org/article/10.1088/1742-6596/1097/1/012125/pdf
	11. Dien, C.A., & Wutsqa, D. (2018). The Interpersonal Intelligence Profile of Seventh-Grade Students in Mathematics Learning . Journal of Physics: Conference Series, 1108(1), p.012080. DOI: 10.1088/1742-6596/1108/1/012080 URL: https://iopscience.iop.org/article/10.1088/1742-6596/1108/1/012080/pdf

	Organization	Role	Period
Activities in specialist bodies over the last 5 years (<i>Membership without a specific role need not be mentioned</i>)			