



UNIVERSITAS NEGERI YOGYAKARTA

Faculty of Mathematics and Natural Sciences

Department of Mathematics Education

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STAFF HANDBOOK

Name	Dwi Lestari, M.Sc.		
Expertise	Applied Mathematics		
Academic Career	Initial Academic Appointment	Institution	Year
		Universitas Negeri Yogyakarta	2010
Academic Background	1. Post Doctoral	-	-
	2. Doctoral Degree	-	-
	3. Master Degree	Universitas Negeri Yogyakarta	2010
	4. Undergraduate Degree	Universitas Gadjah Mada	2007
Employment	Position	Employer	Period
	1. Tenaga Pengajar/CPNS	Universitas Negeri Yogyakarta	01/12/2010 - 01/12/2012
	2. Asisten Ahli Madya	Universitas Negeri Yogyakarta	
	3. Asisten Ahli	Universitas Negeri Yogyakarta	01/12/2012 - 01/12/2015
	4. Instructor (Lektor Muda)	Universitas Negeri Yogyakarta	
	5. Assistant Professor (Lektor)	Universitas Negeri Yogyakarta	01/12/2015 - sekarang
6. Associate Professor (Lektor Kepala)	Universitas Negeri Yogyakarta		
Research and development projects over the last 5 years	1. DIPA Fakultas "Dinamika Sel Kanker dengan Kemoterapi" Periode : 2018 Partner : Eminugroho RS, Husna Arifah Amount of financing : IDR 15.000.000,-		
Industry collaborations over the last 5 years	1. Project title: Pelatihan Geogebra untuk Guru Matematika SMP se-MGMP Sleman dan Bantul (2019) Partner: MGMP Sleman dan Bantul		
	2. Project title: Workshop Penyusunan Soal Tipe HOTS untuk Guru Matematika SMP (2019) Partner: MGMP Klaten		
	3. Project title: Workshop Pemanfaatan Geogebra dalam Pembelajaran Matematika (2018) Partner: MGMP Klaten		
	4. Project title: Pelatihan Penyusunan LKS Berbantuan Geogebra untuk Pengembangan Kemampuan Pemecahan Masalah (2017) Partner: MGMP Gunung Kidul		
	5. Project title: Pelatihan Geogebra 2D dan 3D untuk Meningkatkan Kemampuan Teknologi Informasi Guru di DIY dalam Pembelajaran Matematika (2016) Partner: MGMP Gunung Kidul		

6. Project title: Peningkatan Kreativitas Guru Sekolah Menengah dalam Pembelajaran Matematika Melalui Pelatihan Geogebra (2015) Partner: MGMP Gunung Kidul
7. Project title: lbM Workshop penyusunan bahan ajar matematika untuk materi rentan berdasarkan kurikulum 2013 berbantuan Geogebra dan SPSS bagi guru-guru matematika SMA di kabupaten Sleman (2015) Partner: MGMP Sleman
8. Project title: Pembimbing olimpiade SMAN I Ngaglik (2015) Partner: SMAN I Ngaglik
9. Project title: Pembimbing Olimpiade SMP I Klaten (2014) Partner: SMP I Klaten
10. Project title: Juri Lomba dan Gebyar Seni PKLK (2014) Partner: DINAS DIKPORA DIY
11. Project title: Narasumber Pelatihan Penggunaan Geogebra dalam Pembelajaran Matematika SMA di MGMP Kabupaten Sleman (2013) Partner: MGMP Sleman
12. Project title: Juri Olimpiade Matematika SMK Tingkat DIY (2013) Partner: SMK Tingkat DIY
13. Project title: Pelatihan penyusunan perangkat pembelajaran berbasis PMRI bagi Guru SMP/MTs di Yogyakarta (2013) Partner: MGMP SMP DIY
14. Project title: Narasumber Pelatihan Winplot WinGeom (2013) Partner: Guru Matematika DIY

Patents and proprietary rights	Title	Year
	1. Published book: " Fungsi Peubah Kompleks dan visualisasinya Geogebra 2D dan 3D " Oleh: Atmini Dhoruri, Eminugroho Ratnasari, Dwi Lestari UNY Press ISBN: 978-602-6338-94-5	2016
	2. Published book: " Persamaan Diferensial " Oleh: Eminugroho Ratnasari, Dwi Lestari UNY Press ISBN:	2015
	3. Published book: " Kalkulus dengan Geogebra " Oleh: Atmini Dhoruri, Dwi Lestari , Eminugroho Ratnasari, Husna Arifah UNY Press ISBN:	2014
	4. Published book: " Buku Kerja Matematika untuk IPA Kelas XII " Oleh: Atmini Dhoruri, Dwi Lestari Yudhistira ISBN:	2012
	5. Published book: " Buku Sukses Ujian Matematika SMA " Oleh: Atmini Dhoruri, Dwi Lestari Yudhistira ISBN: 978-970-002-361-4	2010
	6. Published book: " Buku Kerja Matematika untuk IPA Kelas XI " Oleh: Atmini Dhoruri, Dwi Lestari Quadra ISBN: 978-979-054-166-5	2009
	7. Published book: " Buku Kerja Matematika untuk IPS Kelas XI " Oleh: Atmini Dhoruri, Dwi Lestari Quadra ISBN: 978-979-054-168-9	2009

<p>Important publications over the last 5 years</p>	Selected recent publications form a total of approx.:		
	<p>1. Lestari, D., Dhoruri, A., & Ratnasari, E. (2018). An Epidemic Model of Tuberculosis with Vaccine Control in Yogyakarta Region Indonesia. Journal of Physics: Conference Series, 1132, p. 012022, doi:10.1088/1742-6596/1132/1/012022.</p>		
	<p>2. Dhoruri, A., Lestari, D., & Ratnasari, E. (2017). Menu variations for diabetes mellitus patients using Goal Programming model. AIP Conference Proceedings, 1867(1), p.020015. DOI: https://doi.org/10.1063/1.4994418 URL: https://aip.scitation.org/doi/pdf/10.1063/1.4994418</p>		
	<p>3. Dhoruri, A., Lestari, D., & Ratnasari, E. (2017). Sensitivity Analysis of Goal Programming Model for Dietary Menu of Diabetes Mellitus Patients. International Journal of Modeling and Optimization, 7 (1), doi: 10.7763/IJMO.2017.V7.549</p>		
	<p>4. Ratnasari, E., Insani, N., & Lestari, D. (2017). The Preventive Control of a Dengue Disease Using Pontryagin Minimum Principal. : Journal of Physics: Conf. Series, 855, p: 012045, doi :10.1088/1742-6596/855/1/012045</p>		
	<p>5. Novi W., C. & Lestari, D. (2016). Local Stability of AIDS Epidemic Model Through Treatment and Vertical Transmission with Time Delay. Journal of Physics: Conference Series, 693, p: 012010, doi:10.1088/1742-6596/693/1/012010</p>		
	<p>6. Lestari, D. (2015). Pendidikan karakter dan gaya belajar dalam pembelajaran kalkulus. AdMathEdu, 5(1), 13-22. DOI: http://dx.doi.org/10.12928/admathedu.v5i1.4778</p>		
	<p>7. Lestari, D., & Ambarwati, R.D. (2015). A Local Stability of Mathematical Models for Cancer Treatment by Using Gene Therapy. International Journal of Modeling and Optimization, 5 (3), doi: 10.7763/IJMO.2015.V5.462</p>		
	<p>8. Taufik, M.R., Lestari, D. & Septiarini, T.W. (2015). Mathematical Model for Vaccinated Tuberculosis Disease with VEIT Model. International Journal of Modeling and Optimization, 5(3), doi: 10.7763/IJMO.2015.V5.460</p>		
	<p>8. Sahid, S., Yuli S, F., & Lestari, D. (2016). MATHEMATIC MODEL FOR SITY BUS SCHEDULING IN YOGYAKARTA. Jurnal Sains Dasar, 4(2), 109 - 113. doi:https://doi.org/10.21831/jsd.v4i2.9085</p>		
	<p>9. Musthofa, M. & Lestari, D. (2014). Metode perjanjian password berdasarkan operasi matriks atas aljabar MinPlus untuk keamanan pengiriman informasi rahasia. Jurnal Sains Dasar, 3(1), 25 - 33</p>		
	<p>10. Sari, R., & Lestari, D. (2014). OPTIMIZATION OF TRANSPORT SYSTEM IN YOGYAKARTA CITY WITH VEHICLE ROUTING PROBLEM MODEL USING ALGORITHM SEQUENTIAL INSERTION. Jurnal Penelitian Saintek, 19(1). doi:https://doi.org/10.21831/jps.v19i1.2324</p>		
	<p>11. Sari, E., Lestari, D., & Saptaningtyas, F. (2013). Eksistensi dan ketunggalan solusi persamaan panas. Jurnal Sains Dasar, 2(2). doi:https://doi.org/10.21831/jsd.v2i2.3297</p>		
<p>Activities in specialist bodies over the last 5 years (Membership without a specific role need not be mentioned)</p>	Organization	Role	Period