



UNIVERSITAS NEGERI YOGYAKARTA
Graduate School Programme

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Master of Education in Mathematics

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STAFF HANDBOOK

Name	Wahyu Setyaningrum, Ph.D., M.Ed., S.Pd.		
Expertise	Mathematics Education; Instructional Media		
Academic Career	Initial Academic Appointment	Institution	Year
		Universitas Negeri Yogyakarta	
Academic Background	1. Post Doctoral	-	-
	2. Doctoral Degree	University of Dundee	2015
	3. Master Degree	Monash University	2009
	4. Undergraduate Degree	Universitas Negeri Yogyakarta	2003
Employment	Position	Employer	Period
	1. Tenaga Pengajar/CPNS	Universitas Negeri Yogyakarta	01/12/2003 - 01/08/2005
	2. Asisten Ahli Madya	Universitas Negeri Yogyakarta	
	3. Asisten Ahli	Universitas Negeri Yogyakarta	01/08/2005 - 01/09/2011
	4. Instructor (Lektor Muda)	Universitas Negeri Yogyakarta	
	5. Assistant Professor (Lektor)	Universitas Negeri Yogyakarta	01/09/2011 - sekarang
Research and development projects over the last 5 years	6. Associate Professor (Lektor Kepala) Universitas Negeri Yogyakarta		
	1. DIPA UNY "Persepsi Calon Guru Perempuan tentang Pengalaman Mengajar di Masa 'induksi' Karir: Analisis Gender" Periode: 2016 Partner: Dr. Dra. Kokom Komariah, M.Pd.; Lusi Nurhayati, S.Pd., M.App.Ling Amount of financing: IDR 15.000.000,-		
	2. DIPA UNY "Persepsi Guru dan Siswa terhadap Penggunaan Media Pembelajaran Matematika Berbasis Teknologi " Periode: 2017 Partner: Nur Hadi Waryanto, M.Sc Amount of financing: IDR 15.000.000,-		
	3. Kemenristekdikti "Pengembangan Media Pembelajaran Matematika Edutainment Berbasis Android dengan Program Construct 2" Periode: 2017-2018 Partner: Nur Hadi Waryanto, M.Sc. Amount of financing: IDR 100.000.000,-		

	<p>4. DIPA UNY "Pengembangan Buku Panduan Micro Teaching Untuk Meningkatkan Pedagogical Content Knowledge Mahasiswa Calon Guru Matematika" Periode: 2019 Partner: Dr. Ali Mahmudi; Drs. Murdanu, M.Pd. Amount of financing: IDR 15.000.000,-</p>				
	<p>5. Kemenristekdikti "Media Pembelajaran Matematika Berbasis Augmented Reality untuk Meningkatkan Literasi Digital di Era Industri 4.0" Periode: 2019-2020 Partner: Dr. Ali Mahmudi; Nur Hadi Waryanto, M.Sc Amount of financing: IDR 469.000.000,-</p>				
<p>Industry collaborations over the last 5 years</p>	<ol style="list-style-type: none"> 1. Project Title: Fasilitator Workshop penyusunan LKS guru matematika SMP di MGMP Kota Yogyakarta (2016) Partners: Diknas Kota DIY 2. Project Title: Fasilitator Workshop Seameo "Joyfull Mathematics Learning for Primary School Teachers" (2016) Partners: Seameo QITEP 3. Project Title: Fasilitator Pelatihan Tenaga Pendidik PAUD se DIY: Mengenalkan Matematika untuk Anak Usia Dini (2016-2017) Partners: Kelompok Guru PAUD Kabupaten Sleman 4. Project Title: Fasilitator Pelatihan Pengembangan Pembelajaran Matematika Realistik di Sekolah Dasar Islam Terpadu (SDIT) Kab. Sleman dan Bantul (2016) Partners: Kelompok Guru SDIT Kabupaten Sleman dan Kabupaten Bantul 5. Project Title: Reviewer Buku Matematika SD/MI Puskurbuk (2016) Partners: Puskurbuk 6. Project Title: Fasilitator Pelatihan Pengembangan Pembelajaran Matematika Realistik di Sekolah Dasar Islam Terpadu (SDIT) Kab. Sleman dan Bantul (2017) Partners: Kelompok Guru SDIT Kabupaten Sleman dan Kabupaten Bantul 7. Project Title: Fasilitator Pelatihan Tenaga Pendidik PAUD se DIY: Mengembangkan Media Belajar Matematika untuk Anak Usia Dini (2017) Partners: Kelompok Guru PAUD Kabupaten Sleman 8. Project Title: Fasilitator kegiatan Sea-Teachers: Teaching Practices in Indonesia (2016-2019) Partners: Seameo Sea-Teacher 9. Project Title: Workshop Pengembangan Model Pembelajaran berbasis Teori Kecerdasan Majemuk bagi Guru-Guru Anggota MGMP Matematika SMP di Kabupaten Kulon Progo (2018) Partners: MGMP Matematika SMP Kabupaten Kulon Progo 10. Project Title: Workshop Pengembangan Lembar Kerja Siswa Berdasarkan Cognitive Load Theory dalam Pembelajaran Aljabar bagi Guru-Guru Anggota MGMP Matematika SMP di Kabupaten Kulon Progo (2018) Partners: MGMP Matematika SMP Kabupaten Kulon Progo 11. Project Title: Workshop Pengembangan Soal Literasi Matematika bagi Guru Matematika SMP di Kabupaten Kulon Progo (2019) Partners: MGMP Matematika SMP Kabupaten Kulon Progo 				
<p>Patents and proprietary rights</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%; text-align: center;">Title</th> <th style="width: 20%; text-align: center;">Year</th> </tr> </thead> <tbody> <tr> <td> <ol style="list-style-type: none"> 1. Patents: "Pre-service Mathematics Teachers' Attitude Towards Learning English: A case study in Yogyakarta" Oleh: Wahyu Setyaningrum No. Paten: 000115747 </td> <td style="text-align: center; vertical-align: top;">2017</td> </tr> </tbody> </table>	Title	Year	<ol style="list-style-type: none"> 1. Patents: "Pre-service Mathematics Teachers' Attitude Towards Learning English: A case study in Yogyakarta" Oleh: Wahyu Setyaningrum No. Paten: 000115747 	2017
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<ol style="list-style-type: none"> 1. Patents: "Pre-service Mathematics Teachers' Attitude Towards Learning English: A case study in Yogyakarta" Oleh: Wahyu Setyaningrum No. Paten: 000115747 	2017				

	<p>2. Patents: "Media Pembelajaran Edutainment: Circle" Oleh: Wahyu Setyaningrum, Nurhadi Waryanto, Wan Denny Pramana P No. Paten: 000118661</p>	2018
	<p>3. Patents: "Media Pembelajaran Edutainment: Mathventure" Oleh: Wahyu Setyaningrum, Nurhadi Waryanto, Riska Ayu Ardani No. Paten: 000118630</p>	2018
	<p>4. Patents: "Developing Mathematics Edutainment Media for Android Oriented to Students' Understanding and Interest: A teachers' Review" Oleh: Wahyu Setyaningrum, Nurhadi Waryanto No. Paten: 000115365</p>	2018
	<p>5. Patents: "Media Pembelajaran Edutainment: Proadventure" Oleh: Wahyu Setyaningrum, Nurhadi Waryanto, Ahmad Bahaudin No. Paten: 000128660</p>	2018

Important publications over the last 5 years	Selected recent publications form a total of approx.:	
	1. Setyaningrum, W. , & Waryanto, N. (2017). Media edutainment segi empat berbasis android: apakah membuat belajar matematika lebih menarik? . Jurnal Mercumatika : Jurnal Penelitian Matematika dan Pendidikan Matematika, 2(1), 40-56. doi: http://dx.doi.org/10.26486/jm.v2i2.369	
	2. Setyaningrum, W. (2018). Blended Learning: Does it help students in understanding mathematical concepts? . Jurnal Riset Pendidikan Matematika, 5(2), 244-253. doi: https://doi.org/10.21831/jrpm.v5i2.21428	
	3. Lusyana, E., & Setyaningrum, W. (2018). van-hiele instructional package for vocational school students' spatial reasoning . Beta Jurnal Tadris Matematika, 11(1), 79-100. http://dx.doi.org/10.20414/betajtm.v11i1.146	
	4. Setyaningrum, W. , Pratama, L.D., & Ali, M.B. (2018). Game-Based Learning in Problem Solving Method: The Effects on Students' Achievement . International Journal on Emerging Mathematics Education, 2(2), 157. DOI: http://dx.doi.org/10.12928/ijeme.v2i2.10564	
	5. Pratama, L.D., & Setyaningrum, W. (2018). GBL in Math Problem Solving: Is it Effective? . International Journal of Interactive Mobile Technologies (iJIM), 12(6), 101-111. DOI: http://dx.doi.org/10.3991/ijim.v12i6.8658 .	
	6. Setyaningrum, W. (2014). Students' Attitude towards Learning Mathematics through English as an Additional Language . The 40th Annual Conference of British Educational Research Association, 2014. Institute of Education, London.	
	7. Waryanto, N.H., & Setyaningrum, W. (2014). E-Learning Readiness in Indonesia: A Case Study in Junior High School Yogyakarta . Proceedings of the International Seminar on Innovation in Mathematics and Mathematics Education 2014 (pp. 645–654). Yogyakarta, Indonesia.	
	8. Setyaningrum, W. (2016). Teachers' Perception Towards ICT in Mathematics Class: A case study in Yogyakarta Secondary Schools . Proceedings of 3rd International Conference on Research, Implementation and Education of Mathematics and Sciences 2016 (pp. 263–268). Yogyakarta, Indonesia.	
	9. Setyaningrum, W. (2017). Pre-service Mathematics Teachers' Attitudes towards Learning English: A case study in Yogyakarta . AIP Conference Proceedings, 1868(1), p.050031.	

	10. Setyaningrum, W. , & Waryanto, N.H. (2018). Developing mathematics edutainment media for Android based on students' understanding and interest: a teachers' review . Journal of Physics: Conference Series, 983(1), p. 012093.
	11. Ardani, R.A., & Setyaningrum, W. (2018). Game-Based Edutainment Media using Guided Discovery Approach: What teachers say? Journal of Physics: Conference Series, 1097(1), p. 012101.
	12. Putra, W.D.P., & Setyaningrum, W. (2018). The effect of edutainment toward students' interest in learning mathematics . Journal of Physics: Conference Series, 1097(1), p. 012120.
	13. Salsabila, N.H., & Setyaningrum, W. (2018). Game "STATIC": Is It Interesting for Students? Journal of Physics: Conference Series, 1097(1), p. 012105.
	14. Pratama, L.D., & Setyaningrum, W. (2018). Game-Based Learning: The effects on student cognitive and affective aspects . Journal of Physics: Conference Series, 1097(1), p. 012123.
	15. Setyaningrum, W. , & Mahmudi, A. (2018). Pedagogical Content Knowledge of Mathematics Pre-service Teachers: Do they know their students? Journal of Physics: Conference Series, 1097(1), p. 012098.

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