



UNIVERSITAS NEGERI YOGYAKARTA
Graduate School Programme

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Master of Education in Mathematics

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STAFF HANDBOOK

Name	Ali Mahmudi, S.Pd., M.Pd., Dr.		
Expertise	Mathematics Education		
Academic Career	Initial Academic Appointment	Institution	Year
		Universitas Negeri Yogyakarta	1999
Academic Background	1. Post Doctoral	-	-
	2. Doctoral Degree	Universitas Pendidikan Indonesia	2010
	3. Master Degree	Universitas Negeri Surabaya	2003
	4. Undergraduate Degree	UNS Surakarta	1997
Employment	Position	Employer	Period
	1. Tenaga Pengajar/CPNS	Universitas Negeri Yogyakarta	01/03/1999 - 01/11/2000
	2. Asisten Ahli Madya	Universitas Negeri Yogyakarta	01/11/2000 - 01/01/2001
	3. Asisten Ahli	Universitas Negeri Yogyakarta	01/01/2001 - 01/01/2008
	4. Instructor (Lektor Muda)	Universitas Negeri Yogyakarta	
	5. Assistant Professor (Lektor)	Universitas Negeri Yogyakarta	01/01/2008 - sekarang
	6. Associate Professor (Lektor Kepala)	Universitas Negeri Yogyakarta	
Research and development projects over the last 5 years	1. DIPA PPs UNY "Pengembangan Model Pembelajaran Matematika Berbasis Masalah dengan Pendekatan Humanis yang Berorientasi pada Math-Literacy dan Pengelolaan Math-Anxiety Siswa" Periode: 2019 Partner: Dr. Djamilah Bondan Widjajanti, M.Si.; Dr. Kana Hidayati, M.Pd. Amount of financing: IDR 20.000.000,-		
	2. DIPA FMIPA UNY "Pengembangan Model Micro Teaching Untuk Meningkatkan Pedagogical Content Knowledge Mahasiswa Calon Guru Matematika" Periode: 2018 Partner: Wahyu Setyaningrum, Ph.D.; Drs. Murdanu, M.Pd. Amount of financing: IDR 10.000.000,-		
	3. DIPA UNY "Pengembangan Bahan Ajar Geometri Berbasis Kontekstual untuk Meningkatkan Kemampuan Pemecahan Masalah dan Disposisi Matematis" Periode: 2017 Partner: Kuswari Hernawati, M.Kom.; Himmawati Puji Lestari, M.Si. Amount of financing: IDR 20.000.000,-		

	4. Penelitian Unggulan Perguruan Tinggi, Kemenristekdikti 2015 "Pengembangan Bahan Ajar Matematika dengan Pendekatan Kontekstual untuk Pembelajaran di SMK" Periode: 2015 Partner: Dr. Sugiman, M.Si.; Kuswari Hernawati, M.Kom.; Himmawati Puji Lestari, M.Si. Amount of financing: IDR 62.500.000,-	
Industry collaborations over the last 5 years	1. Project Title: Pengembangan Lembar Kerja Siswa Berdasarkan Cognitive Load Theory dalam Pembelajaran Geometri SMP (2017) Partners: MGMP Matematika Kota Yogyakarta	
	2. Project Title: Pelatihan Pengembangan Media Pembelajaran Matematika Berbasis Matematika Realistik di Sekolah Dasar Islam Terpadu (SDIT) Kabupaten Sleman dan Bantul (2017) Partners: SDIT DIY	
	3. Project Title: Pengembangan LKS Berdasarkan Cognitive Load Theory dalam Pembelajaran Aljabar SMP (2018) Partners: MGMP Matematika Kabupaten Kulonprogo	
	4. 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 Kabupaten Kulonprogo	
	5. Project Title: Workshop Pengembangan Soal Literasi Matematika bagi Guru Matematika SMPdi Kabupaten Kulon Progo (2019) Partners: MGMP Matematika Kabupaten Kulonprogo	
	6. Project Title: Pelatihan Pengembangan Desain Pembelajaran Matematika Berdasarkan Cognitive Load Theory (2019) Partners: MGMP Matematika Kota Yogyakarta	
Patents and proprietary rights	Title	Year
	1. Published book: "Matematika 3 untuk SMP/MTs Kelas IX" Oleh: Marsigit; Mathilda Susanti; Ali Mahmudi; Atmini Dhoruri Pusat Kurikulum dan Perbukuan, Kementerian Pendidikan Nasional ISBN: 978-979-095-661-2	2011
	2. Published book: "Matematika untuk SMK Kelas X" Oleh: Ali Mahmudi Samudera Biru ISBN:	2017
Important publications over the last 5 years	Selected recent publications form a total of approx.:	
	1. Rahmawati, R., & Mahmudi, A. (2014). KEEFEKTIFAN PEMBELAJARAN KOOPERATIF STAD DAN TAI DITINJAU DARI AKTIVITAS DAN PRESTASI BELAJAR MATEMATIKA SISWA. Jurnal Prima Edukasia, 2(1), 102-115. doi: https://doi.org/10.21831/jpe.v2i1.2648	
	2. 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.	
	3. Munir, M., & Mahmudi, A. (2018). Pengembangan perangkat pembelajaran geometri sekolah menengah pertama dengan pembelajaran berbasis masalah. Jurnal Riset Pendidikan Matematika, 5(2), 147-158. doi: https://doi.org/10.21831/jrpm.v5i2.10036	
	4. Fahrurrozi, F., & Mahmudi, A. (2014). PENGARUH PBM DALAM SETTING PEMBELAJARAN KOOPERATIF TIPE STAD DAN GI TERHADAP PRESTASI BELAJAR DAN KECERDASAN EMOSIONAL SISWA. Jurnal Riset Pendidikan Matematika, 1(1), 1-11. doi: https://doi.org/10.21831/jrpm.v1i1.2653	

	5. Nugraha, T., & Mahmudi, A. (2015). KEEFEKTIFAN PEMBELAJARAN BERBASIS MASALAH DAN PROBLEM POSING DITINJAU DARI KEMAMPUAN BERPIKIR LOGIS DAN KRITIS. Jurnal Riset Pendidikan Matematika, 2(1), 107 - 120. doi:https://doi.org/10.21831/jrpm.v2i1.7154		
	6. Sholihah, D., & Mahmudi, A. (2015). Keefektifan experiential learning pembelajaran matematika MTs materi bangun ruang sisi datar. Jurnal Riset Pendidikan Matematika, 2(2), 175 -185. doi:https://doi.org/10.21831/jrpm.v2i2.7332		
	7. As'ari, A.R., Mahmudi, A. , & Nuerlaelah, E. (2017). OUR PROSPECTIVE MATHEMATIC TEACHERS ARE NOT CRITICAL THINKERS YET. Journal on Mathematics Education, 8(2), 145 -156. DOI:http://dx.doi.org/10.22342/jme.8.2.3961		
	8. Bernadi, R., & Mahmudi, A. (2017). Peningkatan kreativitas siswa kelas IV SD melalui pembelajaran tematik integratif dengan pendekatan open-ended. Jurnal Prima Edukasia, 5(1), 91-101. doi:https://doi.org/10.21831/jpe.v5i1.7783		
	9. Retnowati, E., Murdiyani, N.M., Marsigit, M., Sugiman, S., & Mahmudi, A. (2018). Improving pedagogic competence using an e-learning approach for pre-service mathematics teachers. Journal of Physics: Conference Series, 983(1), p.012126. doi :10.1088/1742-6596/983/1/012126		
	10. Misnasanti, M., & Mahmudi, A. (2018). Van Hiele Thinking Level and Geometry Visual Skill towards Field Dependent-Independent Students in Junior High School. Journal of Physics: Conference Series, 1097(1), p.012133. doi:10.1088/1742-6596/1097/1/012133		
	11. Maghfirah, M., & Mahmudi, A. (2018). Number sense: the result of mathematical experience. Journal of Physics: Conference Series, 1097(1), p.012141. doi:10.1088/1742-6596/1097/1/012141		
	12. Setyaningrum, W., Mahmudi, A. , Murdanu, M. (2018). Pedagogical Content Knowledge of Mathematics Pre-service Teachers: Do they know their students? Journal of Physics: Conference Series, 1097(1), p. 012098. doi:10.1088/1742-6596/1097/1/012098		
	13. Izzat, L.R., & Mahmudi, A. (2018). The influence of metacognition in mathematical problem solving. Journal of Physics: Conference Series, 1097(1), p.012107. doi:10.1088/1742-6596/1097/1/012107		
	14. Romadon, S., & Mahmudi, A. (2018). Implementation of Guided Inquiry Learning to Improve the Collaborative Skills of Mathematics. Proceedings of the International Conference on Research, Implementation and Education of Mathematics and Sciences 2018 (pp. 91–96). Yogyakarta, Indonesia. ISBN: 978-602-74529-3-0		
	15. Nizami, A.W., & Mahmudi, A. (2018). The Use of TAPPS in Mathematics Learning: Is It Good or Not? Proceedings of the International Conference on Research, Implementation and Education of Mathematics and Sciences 2018 (pp. 473–478). Yogyakarta, Indonesia. ISBN: 978-602-74529-3-0		
Activities in specialist bodies over the last 5 years (Membership without a specific role need not be mentioned)	Organization	Role	Period