

Staff Handbook

Please fill out and submit one table per person.

Name	Marsigit		
Post	Mathematics Education		
Academic career	Initial academic appointment	Universitas Negeri Yogyakarta	1983
	Habilitation [German post-doctoral qualification] (subject)	-	-
	Doctorate (subject)	Universitas Gadjah Mada	2007
	Master degree	University of London	1996
	Undergraduate degree (subject)	IKIP Yogyakarta	1981
Employment	Position	Employer	Period
	Tenaga Pengajar/CPNS	Universitas Negeri Yogyakarta	01/03/1983 - 01/04/1985
	Asisten Ahli	Universitas Negeri Yogyakarta	01/04/1985 - 01/10/1987
	Instructor (Lektor Muda)	Universitas Negeri Yogyakarta	01/10/1987 - 01/01/1999
	Assistant Professor (Lektor)	Universitas Negeri Yogyakarta	01/01/1999 - 01/01/2002
	Associate Professor (Lektor Kepala)	Universitas Negeri Yogyakarta	01/01/2002 - 01/01/2012
	Professor	Universitas Negeri Yogyakarta	01/01/2012 - now
Research and development projects over the last 5 years	Penelitian Research Group (DIPA UNY) Name of project or research focus: Pengelolaan, Persoalan-persoalan dan Solusi Pembelajaran Berbasis Daring di LPTK Period: 2021 Partners: Dr. Atmini Dhoruri, MS; Dr. Dra. Mathilda Susanti, M.Si.; Heru Sukoco, S.Si., M.Pd. Amount of financing: IDR. 24.000.000		
	Penelitian Research Group (DIPA UNY) Name of project or research focus: Analisis Kebutuhan Pembelajaran Matematika Berbasis Kearifan Lokal Yogyakarta di SMP Period: 2022 Partners: Dr. Dra. Mathilda Susanti, M.Si.; Heru Sukoco, S.Si., M.Pd. Amount of financing: IDR. 18.000.000		

	Penelitian Research Group (DRPM UNY) Name of project or research focus: Analisis Muatan Etnomatematika dalam Buku Teks Matematika dan Kurikulum Merdeka Period: 2023 Partners: Dr. Dra. Mathilda Susanti, M.Si.; Heru Sukoco, S.Si., M.Pd. Amount of financing: IDR. 18.000.000
	Penelitian Disertasi Doktor (DRTPM – Kemendikbudristek) Name of project or research focus: Konstruksi Mathematical Proficiency Siswa Visual Impairment diKelas Inklusif SMA (Tahun Pertama) Period: 2023 Partners: Dr. Dra. Elly Arliani, M.Si.; Sumbaji Putranto, M.Pd. Amount of financing: IDR. 27.400.000
	Penelitian Disertasi Doktor (DRTPM – Kemendikbudristek) Name of project or research focus: Mathematical Thinking Melalui Cognitive Load Theory PadaPembelajaran Geometri Bidang Berbasis Etnomatematika: Studi Hermeneutika Period: 2023 Partners: Heru Sukoco, S.Si., M.Pd. Amount of financing: IDR. 30.900.000
	Penelitian Research Group (DRPM UNY) Name of project or research focus: Pengembangan Bahan Ajar Statistika Berorientasi Pada Kemampuan Literasi Statistik Mahasiswa S-2 Teknologi Pembelajaran Period: 2024 Partners: Dr. Dra. Mathilda Susanti, M.Si.; Heru Sukoco, S.Si., M.Pd.; Siti Kholifah, S.Si., M.Pd. Amount of financing: IDR. 18.000.000
	Penelitian Penugasan (DRPM UNY) Name of project or research focus: Meningkatkan Kemampuan Numerasi di Kalangan Mahasiswa melalui Etnomatematika: Pendekatan Budaya terhadap Kemahiran Matematika Period: 2024 Partners: Dr. Atmini Dhoruri, MS; Heru Sukoco, S.Si., M.Pd. Amount of financing: IDR. 45.000.000
	Penelitian Disertasi Doktor (DRTPM – Kemendikbudristek) Name of project or research focus: Konstruksi Mathematical Proficiency Siswa Visual Impairment diKelas Inklusif SMA (Tahun Kedua) Period: 2024 Partners: Dr. Dra. Elly Arliani, M.Si.; Sumbaji Putranto, M.Pd. Amount of financing: IDR. 49.580.000
	Penelitian Disertasi Doktor (DRTPM – Kemendikbudristek) Name of project or research focus: Metode Interleaving Berbasis Cognitive Load Theory untuk Mengembangkan Mathematical Proficiency Siswa Period: 2024 Partners: Nila Mareta Murdiyani, S.Pd., M.Sc. Amount of financing: IDR. 52.010.000

	<i>Penelitian Fundamental (DRTPM – Kemendikbudristek)</i> Name of project or research focus: Model Ethnomath Digital Edutainment (EDE) untuk Penguatan Kemampuan Numerasi Siswa Sekolah Menengah Period: 2025 Partners: Prof. Dr. Ariyadi Wijaya, M.Sc.; Wahyu Setyaningrum, Ph.D.; Nur Hadi Waryanto, M.Eng. Amount of financing: IDR. 145.380.000								
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>								
Patents and proprietary rights	<table> <thead> <tr> <th><i>Title</i></th><th><i>Year</i></th></tr> </thead> <tbody> <tr> <td><i>Problem Based Learning Berbasis Etnomatematika Rumah Adat Sa'o Ria (PBL BERASAR)</i></td><td>2025</td></tr> <tr> <td><i>Kajian dan Aplikasi Matematika Sekolah Dasar</i></td><td>2022</td></tr> <tr> <td><i>Desain Pembelajaran Science, Technology, Engineering dan Mathematics (STEM) Dilengkapi dengan Contoh Soal</i></td><td>2021</td></tr> </tbody> </table>	<i>Title</i>	<i>Year</i>	<i>Problem Based Learning Berbasis Etnomatematika Rumah Adat Sa'o Ria (PBL BERASAR)</i>	2025	<i>Kajian dan Aplikasi Matematika Sekolah Dasar</i>	2022	<i>Desain Pembelajaran Science, Technology, Engineering dan Mathematics (STEM) Dilengkapi dengan Contoh Soal</i>	2021
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<i>Desain Pembelajaran Science, Technology, Engineering dan Mathematics (STEM) Dilengkapi dengan Contoh Soal</i>	2021								
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (give total number): 16</i> Mumpuni, R.H., & Marsigit, M. (2022). Initial perception of junior high students on ethnomathematics-based online learning during the COVID-19 pandemic. <i>International Journal of Evaluation and Research in Education</i>, 11(3), 1445-1454. http://doi.org/10.11591/ijere.v11i3.21822 Putranto, S., Marsigit, M., & Arliani, E. (2024). Active learning barriers in developing mathematical proficiency: Comparing visual impairment students' and teachers' perspective. <i>Journal of Curriculum and Teaching</i>, 13(1), 48-60. https://doi.org/10.5430/jct.v13n1p48 Putranto, S., Marsigit, M., & Arliani, E. (2024). The voice of visually impaired students: Differentiated mathematics instruction in an inclusive class. <i>Specijalna Edukacija i Rehabilitacija</i>, 23(4), 361-377. https://doi.org/10.5937/specedreh23-50095 Putranto, S., Marsigit, M., Arliani, E., Ratnasari, G.I. (2024). Differentiated mathematics instruction: Perception, readiness, and practice of Indonesian teachers. <i>Aula de Encuentro</i>, 26(1), 24-52. https://doi.org/10.17561/ae.v26n1.8790 Guslisnawati, G., Marsigit, M., & Mulyana, A. (2024). The effect of the read, answer, discuss, explain, and create learning model based on an stem approach assisted by autograph oriented to students' mathematical literacy ability. <i>BAREKENG: Jurnal Ilmu Matematika dan Terapan</i>, 18(3), 1695-1704. https://doi.org/10.30598/barekengvol18iss3pp1695-1704								

Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Perkumpulan Pengembang dan Peneliti Etnomatematika, Ketua (2022 – now)</i>		