

Staff Handbook

Please fill out and submit one table per person.

Name	Heru Sukoco		
Post	Mathematics Education		
Academic career	Initial academic appointment	Universitas Negeri Yogyakarta	2019
	Habilitation [German post-doctoral qualification] (subject)	-	-
	Doctorate (subject)		
	Master degree	Universitas Negeri Yogyakarta	2013
	Undergraduate degree (subject)	Universitas Gadjah Mada	2010
Employment	Position	Employer	Period
	Tenaga Pengajar/CPNS	Universitas Negeri Yogyakarta	01/03/2019 – 01/07/2021
	Asisten Ahli	Universitas Negeri Yogyakarta	01/07/2021 – 01/07/2023
	Lektor	Universitas Negeri Yogyakarta	01/07/2023 – 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: Prof. Dr. Marsigit, M.A.; Dr. Atmini Dhoruri, MS; Dr. Dra. Mathilda Susanti, M.Si. 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: Prof. Dr. Marsigit, M.A.; Dr. Dra. Mathilda Susanti, M.Si. Amount of financing: IDR. 18.000.000		

	<i>Penelitian Research Group (DRPM UNY)</i> Name of project or research focus: Analisis Muatan Etnomatematika dalam Buku Teks Matematika dan Kurikulum Merdeka Period: 2023 Partners: Prof. Dr. Marsigit, M.A.; Dr. Dra. Mathilda Susanti, M.Si. Amount of financing: IDR. 18.000.000	
	<i>Penelitian Fundamental (DRTPM – Kemendikbudristek)</i> Name of project or research focus: Model Multimedia Learning Berbasis Cognitive Load Theory pada Pembelajaran Matematika Lanjut Berorientasi pada Self Efficacy dan Transfer Ability (Tahun Pertama) Period: 2023 Partners: Endah Retnowati, Ph.D. Amount of financing: IDR. 154.300.000	
	<i>Penelitian Research Group (DRPM UNY)</i> Name of project or research focus: Pengembangan Bahan Ajar Statistika Berorientasi Pada Kemampuan Literasi Statistik Mahasiswa S-2 Teknologi Pembelajaran Period: 2024 Partners: Prof. Dr. Marsigit, M.A.; Dr. Dra. Mathilda Susanti, M.Si.; Siti Kholifah, S.Si., M.Pd. Amount of financing: IDR. 18.000.000	
	<i>Penelitian Fundamental (DRTPM – Kemendikbudristek)</i> Name of project or research focus: Model Multimedia Learning Berbasis Cognitive Load Theory pada Pembelajaran Matematika Lanjut Berorientasi pada Self Efficacy dan Transfer Ability (Tahun Kedua) Period: 2024 Partners: Endah Retnowati, Ph.D.; Nila Mareta Murdiyani, S.Pd., M.Sc. Amount of financing: IDR. 134.080.000	
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>	
Patents and proprietary rights	<i>Title</i>	<i>Year</i>
	Aktualisasi Potensi Ciptakan Karya Gemilang Melalui Pendidikan Inklusi Media Pembelajaran Interaktif Audio-Visual Berbasis Etnomatematika Pada Kompetensi Satuan Panjang	2023 2024

	<i>Panduan Pembelajaran Etnomatematika: Teori, Praktik, Dan Impikasi Pedagogis</i>	2024
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (give total number): 11</i> Marsigit, M., Irfan, M., & Sukoco, H. (2026). Evaluation of pedagogical quality in ethnomathematics learning practices. <i>Discover Education</i>, 5(1), 25. https://doi.org/10.1007/s44217-025-01026-z Retnawati, H., Wiyarsi, A., Djidu, H., Sidik, M.A., Shalihah, H.M., Kusumah, S.A., Kholifah, S., Kassymova, G.K., & Sukoco, H. (2025). The influence of the application of mathematics on students' difficulties in solving chemical problems: A longitudinal study using national examination data, <i>EPJ Web of Conferences</i>, 344, 01009. https://doi.org/10.1051/epjconf/202534401009 Setiawan, E.P., Sukoco, H., & Agustyani, A.R.D. (2023). Developing statistical literacy through tasks: an analysis of secondary school mathematics textbooks. <i>Jurnal Pendidikan Matematika</i>, 17(2), 247-264. https://doi.org/10.22342/jpm.17.2.19465.247-264 Setiawan, E.P., & Sukoco, H. (2021). Exploring first year university students' statistical literacy: A case on describing and visualizing data. <i>Journal on Mathematics Education</i>, 12(3), 427-448. https://doi.org/10.22342/jme.12.3.13202.427-448 Setiawan, E.P., Sukoco, H., & Harini, L. (2021). Application of queuing theory on visitor restrictions of tourism places. <i>BAREKENG: Jurnal Ilmu Matematika dan Terapan</i>, 15(4), 719-726. https://doi.org/10.30598/barekengvol15iss4pp719-726	
Activities in specialist bodies over the last 5 years	<i>Organisation</i> <i>Role</i> <i>Period</i> <i>Indonesian Mathematics Educators Society-IMES, Pengurus Wilayah DIY (2022-2026)</i> <i>Ethnomathematics Journal, Editorial Team, (2020-2025)</i> <i>Pusat Prestasi Nasional - Kementerian Pendidikan Dasar dan Menengah, Tim Kurator Ajang Talenta dan Prestasi Peserta Didik (2024-2025)</i>	