

Staff Handbook

Please fill out and submit one table per person.

Name	Caturiyati.		
Post	Mathematics		
Academic career	Undergraduate Degree (Mathematics)	Universitas Gadjah Mada	1998
	Master Degree (Mathematics)	Universitas Gadjah Mada	2002
Employment	Lecturer	Universitas Negeri Yogyakarta	2000
Research and development projects over the last 5 years	1. Eksistensi Titik Tetap Pemetaan Nonekspansif di Ruang Metrik Modular Teritlak (The Existence of Non-Expansive Mapping Fixed Points in Teritlak Modular Metric Spaces) Year: 2020, amount of financing: IDR 18.000.000 2. Masalah Pemrograman Linear dengan Kendala Kubus (Linear Programming Problems with Cube Constraints) Year: 2021, amount of financing: IDR 18.000.000 3. Analisis Kompetensi Numerasi Guru dan Calon Guru Matematika: Tinjauan Berdasar Kerangka Kompetensi Numerasi Bagi Guru (Analysis of Numeracy Competency of Teachers and Prospective Mathematics Teachers: A Review Based on the Numeracy Competency Framework for Teachers) Year: 2022, amount of financing: IDR 24.000.000 4. Perkuliahan Berbasis Teaching for Robust Understanding (TRU) untuk Mengembangkan Kreativitas dan Resiliensi Mahasiswa (Teaching for Robust Understanding (TRU)-Based Lectures to Develop Student Creativity and Resilience) Year: 2022, amount of financing: IDR 15.000.000 5. Analisis Alur Pembelajaran Matematika Fase D dan Strategi Pembelajaran Numerasi Guru Matematika di Yogyakarta (Analysis of Mathematics Learning Flow Phase D and Numeracy Learning Strategies for Mathematics Teachers in Yogyakarta) Year: 2023, amount of financing: IDR 24.000.000 6. Desain Hipotetik Perkuliahan Berbasis Teaching for Robust Understanding (TRU) untuk Mengembangkan Kreativitas Matematika dan Resiliensi Matematis Mahasiswa pada Matakuliah Matematika Terapan (Hypothetical Design of Lectures Based on Teaching for Robust Understanding (TRU) to Develop Mathematical Creativity and Mathematical Resilience of Students in Applied Mathematics Courses)		

	<i>Year: 2023, amount of financing: IDR 15.000.000</i> 7. <i>Analisis Kompetensi Pedagogical Content Knowledge dan Numerasi Mahasiswa PPG Matematika (Pedagogical Competency Analysis of Content Knowledge and Numeracy of PPG Mathematics Students)</i> <i>Year: 2024, amount of financing: IDR 24.000.000</i> 8. <i>Penentuan Kualitas Air Sungai di Daerah Istimewa Yogyakarta dengan Menggunakan K-Means dan Fuzzy C-Means Clustering (Determination of River Water Quality in the Special Region of Yogyakarta Using K-Means and Fuzzy C-Means Clustering)</i> <i>Year: 2024, amount of financing: 45.000.000</i>
Industry collaborations over the last 5 years	1. <i>Workshop Pendalaman Materi Aljabar dan Matriks untuk Guru SMK dengan Memanfaatkan Perangkat Lunak Maxima (Algebra and Matrix Material Deepening Workshop for Vocational School Teachers by Utilizing Maxima Software)</i> <i>Partner: MGMP Matematika SMK Gunung Kidul, year: 2020</i> 2. <i>Pelatihan Pembuatan Materi Pembelajaran yang terintegrasi pada Learning Management System (LMS) (Training on Creating Learning Materials that are integrated into the Learning Management System (LMS))</i> <i>Partner: MGMP Matematika SMP Kawedanan Gondang Winangun Klaten, year: 2021</i> 3. <i>Peningkatan Pengembangan Pembelajaran Numerasi Bagi Guru Matematika SMP di Kabupaten Gunung Kidul (Improving the Development of Numeracy Learning for Junior High School Mathematics Teachers in Gunung Kidul Regency)</i> <i>Partner: MGMP Matematika SMP Kecamatan Semanu, Gunung Kidul, year 2022</i> 4. <i>Peningkatan Pengembangan Strategi Penguatan Numerasi pada Pembelajaran Matematika MTs di Kabupaten Wonosobo (Improving the Development of Numeracy Strengthening Strategies in MTs Mathematics Learning in Wonosobo Regency)</i> <i>Partner: MGMP Matematika SMP Kabupaten Wonosobo, year 2023</i> 5. <i>Peningkatan Kemampuan Pengelolaan Tes Diagnostik dengan Quizzizz dan Penyusunan Pertanyaan Pematik Guru Matematika di Kabupaten Wonosobo (Improving Diagnostic Test Management Skills with Quizzizz and Preparation of Questions for Mathematics Teacher Learners in Wonosobo District)</i> <i>Partner: MGMP Matematika Pokja 3 (Meliputi Kecamatan Sapuran, Kepil, dan Kalibawang) Kabupaten Wonosobo, year 2024</i>
Patents and proprietary rights	<i>Title -</i> <i>Year -</i>
Important publications over the last 5 years	<i>Selected recent publications from a total of approx.</i> <i>(give total number):</i>

	1. <i>Author(s): Caturiyati, Himmawati Puji Lestari, Kus Prihantoso Krisnawan</i> <i>Title: Geometric Properties of SOCP Problem Constraints on R^2 and R^3</i> <i>Publisher: Journal of Physics: Conference Series, issue: 1, vol: 1581 2020, ISSN: 1742-6596.</i> https://iopscience.iop.org/article/10.1088/1742-6596/1581/1/012002 2. <i>Author(s): Lusi Harini, Caturiyati, Himmawati Puji Lestari</i> <i>Title: Some Fixed Point Theorems in Generalized Modular Metric Space</i> <i>Publisher: AIP Conference Proceedings, issue: 1, vol: 2575, 060003-1–060003-5</i> https://doi.org/10.1063/5.0107775 3. <i>Author(s): Raden Rosnawati, Himmawati Puji Lestari, Caturiyati</i> <i>Title: Mathematical Reasoning of Prospective Teachers in Proving: Overview Differences in Trigonometry</i> <i>Publisher: AIP Conference Proceedings, issue: 1, vol: 2575, 050023-1–050023-6</i> https://doi.org/10.1063/5.0108875 4. <i>Author(s): Himmawati Puji Lestari, Caturiyati, Lusi Harini</i> <i>Title: Linear Programming Problems with Cube Constraints</i> <i>Publisher: AIP Conference Proceedings, Issue: 1, vol: 2622, 120001-1-120001-9</i> https://doi.org/10.1063/5.0138860		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Membership without a specific role need not be mentioned		