



### Staff Handbook

Name	<i>Dra. Sapti Wahyuningsih, M.Si</i>		
Post	<i>Combinatorics, Graph</i>		
Academic career	<i>Initial Academic Appointment</i>	<i>Universitas Negeri Malang</i>	<i>1988</i>
	<i>Habilitation (Post Doctorate)</i>	-	-
	<i>Doctorate</i>	-	-
	<i>Master degree</i>	<i>Institut Teknologi Bandung</i>	<i>1994</i>
	<i>Undergraduate degree</i>	<i>Universitas Gadjah Mada</i>	<i>1987</i>
Employment	<i>Position: Associate Professor (Lektor Kepala)</i>	<i>Universitas Negeri Malang</i>	<i>2005-now</i>
Research and development projects over the last 5 years	<p>1. Penggunaan Rasch Model Dengan Aplikasi Program Winsteps Untuk Menganalisa Hasil Test Daring Siswa Dampak Covid-19 Suatu Peningkatan Kompetensi Guru Abad 21 Di Sekolah Lab Um Sapti Wahyuningsih PNBP UM, 2020</p> <p>2. Penerapan Fuzzy Pada Permasalahan Penjadwalan Proyek Dengan Pembatasan Sumber Daya Dan Pemilihan Rute Terbaik Sapti Wahyuningsih PNBP UM, 2020</p>		
Industry collaborations over the last 5 years	<p>1. Pelatihan Pemetaan Kemampuan Siswa Dalam Mengerjakan Soal Tes Matematika Menggunakan Model Rasch Bagi Guru-Guru Sekolah Laboratorium Universitas Negeri Malang Vita Kusumasari, Sapti Wahyuningsih, Azizah, Asmianto, Febri Nur Azis, Ulil Ilmi Fadila. PNBP FMIPA UM, 2020</p> <p>2. Workshop Validasi Soal Test Matematika Dengan Aplikasi Program Ministep Pemodelan Rach Bagi Guru-Guru Mgmp Matematika Sma Kota Pasuruan Asmianto, Sapti Wahyuningsih, Azizah, Vita Kusumasari, Tjang Daniel Chandra, Alda Rizki Maulidia, Yuliana Ulfa. PNBP FMIPA UM, 2020</p>		
Patents and proprietary rights	-		
Important publications over the last 5 years	<p>1. An Integration of "Online Interactive Apps" for Learning Application of Graph Theory to Enhance Creative Problem Solving of Mathematics Students S Wahyuningsih, D Satyananda, A Qohar, N Atan (2020)</p> <p>2. Improvement of solution using local search method by perturbation on VRPTW variants S Wahyuningsih, D Satyananda (2020)</p> <p>3. Improving creative problem solving performance of mathematics students by digital multimedia in graph theory course S Wahyuningsih, D Satyananda, A Qohar (2020)</p> <p>4. Visual thinking profile of mathematics students in graph theory problem solving process S Wahyuningsih, A Qohar, D Satyananda, N Atan (2020)</p>		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>