

Staff Handbook

Please fill out and submit one table per person.

Name	R. Rosnawati		
Post	Mathematics Education		
Academic career	Initial academic appointment	Institution	Year
	Habilitation [German post-doctoral qualification] (subject)	-	-
	Doctorate	Universitas Negeri Yogyakarta	2015
	Master degree	Universitas Gajah Mada	2000
	Undergraduate degree	Universitas Pendidikan Indonesia	1991
Employment	Position	Employer	Period
	1. Tenaga Pengajar/CPNS	Universitas Negeri Yogyakarta	01/03/1992 - 01/10/1993
	2. Asisten Ahli Madya	Universitas Negeri Yogyakarta	01/10/1993 - 01/08/1994
	3. Asisten Ahli (100)	Universitas Negeri Yogyakarta	01/08/1994 - 01/04/200
	4. Asisten Ahli (150)	Universitas Negeri Yogyakarta	01/04/2000 - 01/12/2001
	5. Instructor (Lektor Muda)	Universitas Negeri Yogyakarta	01/12/2001 - 01/08/2006
	6. Assistant Professor (Lektor)	Universitas Negeri Yogyakarta	01/08/2006 - 01/01/2014
	7. Associate Professor (Lektor Kepala)	Universitas Negeri Yogyakarta	01/01/2014 - sekarang
Industry collaborations over the last 5 years	1. Pengembangan modul digital untuk meningkatkan Mathematical Knowledge for Teaching Numeracy calon guru. (Ariyadi Wijaya, R. Rosnawati, Wahyu Setyaningrum, Caturiyati), years 2025, funding Rp.50.000.000,- 2. Pemetaan Mathematical Knowledge for Teaching Numeracy Calon Guru Matematika. (Ariyadi Wijaya, R. Rosnawati, Tuharto, Caturiyati), years 2025, funding Rp.24.000.000,- 3. Survei Kemampuan Numerasi dan Growth Mindset untuk Memetakan Ketercapaian SDGs dan Profil Pelajar Pancasila Siswa SMP di DIY dan Jawa Tengah. (Ariyadi Wijaya, Jailani, R. Rosnawati), years 2024, funding Rp.55.000.000,- 4. Analisis Kompetensi Pedagogical Content Knowledge dan Numerasi Mahasiswa PPG Matematika, (Ariyadi Wijaya, R. Rosnawati, Tuharto, Caturiyati), years 2024, funding Rp.24.000.000,-		

	5. Literasi matematika berkonteks profil pelajar pancasila (LIMAP3) untuk siswa SMA (Endang Mulyatiningsih, R. Rosnawati, Furintasari Setya Astuti), years 2024, funding Rp.36.580.000,- 6. Model pembelajaran berbasis virtual reality untuk meningkatkan kemampuan numerasi dan growth mindset siswa (Ariyadi Wijaya, R. Rosnawati, Wahyu Setyaningrum), years 2023, funding Rp.50.000.000,- 7. Analisis Alur Pembelajaran Matematika Fase D dan Strategi Pembelajaran Numerasi Guru Matematika di Yogyakarta, (Ariyadi Wijaya, R. Rosnawati, Tuharto, Caturiyati), years 2023, funding Rp.24.000.000,- 8. Pengembangan model diagnosis kesulitan belajar matematika berbasis bayesian untuk computerized adaptivetest, (Samsul Hadi, R. Rosnawati, Wahyu Hartono), years 2023, funding Rp. 50.000.000 9. Analisis Kompetensi Numerasi Guru dan Calon Guru Matematika: Tinjauan Berdasar Kerangka Kompetensi Numerasi Bagi Guru, (Ariyadi Wijaya, R. Rosnawati, Tuharto, Caturiyati), years 2023, funding Rp.24.000.000,-	
Patents and proprietary rights	Pengembangan Tes Keterampilan Berpikir Kreatif Yang Mendukung Aspek Konasi Mahasiswa Calon Guru Matematika	2024
	Kumpulan Soal Numerasi SMP	2024
	Lembar Kegiatan Siswa Rasio Trigonometri Segitiga Siku-Siku Berbasis Pendekatan Realistik Dengan Konteks Luweng Sampang	2022
Important publications over the last 5 years	1. Herianto, H.; Sofroniou, A.; Fitrah, M.; Rosana, D.; Setiawan, C.; Rosnawati, R.; Widiastuti, W.; Jusmiana, A.; Marinding, Y. 2024. Quantifying the Relationship Between Self-Efficacy and Mathematical Creativity: A Meta-Analysis. Educ. Sci. https://doi.org/10.3390/educsci14111251 2. Ulya, H, Sugiman, Rosnawati, R. 2024. Design and content validity of mathematics creative problem-solving ability instrument for junior high school students. EURASIA Journal of Mathematics, Science and Technology Education. https://doi.org/10.29333/ejmste/14661 3. Ulya, H, Sugiman, Rosnawati, R. 2024. Estimating item and ability parameters in mathematics anxiety instrument based on the Graded Response Model. AIP Conf. Proc. 3123, 020024. https://doi.org/10.1063/5.0223841 4. Wahyu Hartono, Samsul Hadi, R. Rosnawati. 2024. Optimizing item construction in diagnostic mathematics test. TEM Journal. Vol 13, Iss. 2. https://doi.org/10.18421/TEM132-25 5. Rosnawati, R, Ariyadi Wijaya, Tuharto. 2024. Mathematical reasoning activities in the micro-teaching simulation. AIP Conf. Proc. 2622, 140004. https://doi.org/10.1063/5.0133249 6. Heri Retnawati Himmatul Ulya, Sugiman Sugiman, R. Rosnawati. 2024. Technology-based learning interventions on mathematical problem-solving: a meta-analysis of research in Indonesia. International	

	Journal of Evaluation and Research in Education (IJERE). Vol 13, No 1. http://doi.org/10.11591/ijere.v13i1.26380 7. Rosid Bahar, Sudji Munadi, R. Rosnawati. 2023. The brainstorming method on pesantren students' mathematical connection and metacognition skills. Pegem Journal of Education and Instruction. Vol. 13, No. 3. https://doi.org/10.47750/pegegog.13.03.24 8. Wahyu Hartono, Samsul Hadi, R. Rosnawati, Heri Retnawati. 2023. Exploration of Student' Cognitive Mathematics Ability Diagnostic Instruments: Validity, Reliability, and Item Characteristics. Pegem Journal of Education and Instruction, Vol. 13, No. 3. https://doi.org/10.47750/pegegog.13.03.39 9. Rosnawati, R., Tuharto, S Hamdi, S. 2022. Trigger questions in mathematics learning simulation in micro teaching course: An overview of asking question types. AIP Conf. Proc. 2575, 050024. https://doi.org/10.1063/5.0108877 10. Rosnawati, R. , Caturiyati, HP Lestari, H.P. 2022. Mathematical reasoning of prospective teachers in proving: Overview differences in trigonometry. AIP Conf. Proc. 2575, 050023. https://doi.org/10.1063/5.0108875 11. Putri, Vegi Intan; Rosnawati, Raden; Rahim, Abdul; Marlina. 2022. Rasch Model Study on Mathematics Examination Test Using Item Response Theory Approach. International Journal on Emerging Mathematics Education (IJEME), Vol 6, Issue 1, p29. https://doi.org/10.12928/ijeme.v6i1.21761 12. Dyah Nirmala Sani, R. Rosnawati. 2022. Students' error analysis in solving probability story questions based on revised Newman theorem. Jurnal Pendidikan Matematika, Vol 5, Number 2. https://doi.org/10.30598/jupitekvol5iss2pp123-131 13. Hayuningrat, S., & Rosnawati, R. 2022. Development of learning tools based on realistic mathematics approach that oriented to high school students' mathematical generalization ability. Jurnal Riset Pendidikan Matematika, 9(2), 191-200. https://doi.org/10.21831/jrpm.v9i2.52197 14. Hidayat, D., and Rosnawati R. 2021. Exploring students' critical thinking skills in a geometry lesson. Journal of Physics: Conference Series 1613 (2020) 012027. https://doi.org/10.1088/1742-6596/1613/1/012027		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Membership without a specific role need not be mentioned		