Staff Handbook

Name	*Djamilah Bondan Widjajanti*		
Post	*Methods of Mathematics Instruction, Mathematics Education*		
Academic career	*Doctorate (Mathematics education)*	*Universitas Pendidikan Indonesia*	*2010*
	Master degree (Mathematics)	*Institut Teknologi Bandung*	*1994*
	Undergraduate degree (Mathematics)	*Universitas Gadjah Mada*	*1985*
Employment	*Lecture*	*Universitas Negeri Yogyakarta*	*1986 – now*
Research and development projects over the last 5 years	1. *Pengaruh Afirmasi Efikasi dalam Pembelajaran Matematika Kolaboratif untuk Novices terhadap Kemampuan Transfer dan Efikasi Diri. Year: 2025, amount of financing: IDR 24.000.000* 2. *Model Perkuliahan Statistika berbasis Level Ketrampilan Metakognisi yang Berorentasi pada Peningkatan Literasi Statistik dan Disposisi Matematis Mahasiswa Calon Guru Matematika. Year: 2024, amount of financing: IDR 126.000.000* 3. *Pengaruh Brain Based Learning terhadap Kemampuan Literasi Matematis dan Self-Efcacy Siswa SMP. Year: 2024, amount of financing: IDR 35.000.000* 4. *Pengembangan Model Pembelajaran Matematika SMP Berbasis Level Functional Thinking. Year: 2023, amount of financing: IDR 35.000.000* 5. *Pengembangan Model Perkuliahan Persamaan Diferensial Menggunakan Strategi Metakognitif Yang Berorientasi Pada Kemampuan Penalaran Dan Kepercayaan Dirimahasiswa. Year: 2023, amount of financing: IDR 35.000.000* 6. *Analisis Profil Kepercayaan diri Mahasiswa Calon Guru Matematika. Year: 2023, amount of financing: IDR 24.000.000* 7. *The Effect of Productive Failure on Mathematics More- Knowledgeable Students. Year: 2022, amount of financing: IDR 24.000.000.* 8. *The Cognitive Load Portrait of Mathematics Teachers During Covid-19 Pandemic. Year: 2021, amount of financing: IDR 24.000.000*		
Industry collaborations over the last 5 years	1. *Workshop Pengembangan Strategi Pembelajaran Matematika untuk Meningkatkan Kemampuan Literasi/numerasi Siswa bagi Guru-guru Matematika SMP di Kabupaten Kulon Progo.* *Partners: MGMP Matematika Kulonprogo. Year: 2024* 2. *Penyusunan Modul Ajar dan Lembar Kerja Beroreintasi Pada Kemampuan Literasi dan Numerasi sebagai Pengembangan TPACK Guru Matematika SMA Wonogiri.* *Partners: MGMP Matematika Wonogiri. Year: 2024* 3. *Pendampingan Penyusunan noModul Ajar Kurikulum Merdeka bagi Guru Matematika SMP Kabupaten Kulon Progo.* *Partners: MGMP Matematika Kulonprogo. Year: 2023*		

	4. *Sebagai Narasumber kegiatan Pendampingan Pengembangan Kemampuan Literasi Matematika (Numerasi) Siswa SMP melalui Lesson Study* *Partners: MGMP Matematika Kulonprogo. Year: 2022* 5. *Pelatihan Guru Profesional dalam Penyusunan Media Digital Pembelajaran Matematika yang Inovatif, Interaktif, dan Meningkatkan Pemahaman Matematis* *Partners: MGMP Matematika Kulonprogo. Year: 2021* 6. *Pelatihan Penyusunan Media Pembelajaran Matematika Daring Yang Inovatif, Interaktif, dan Meningkatkan Pemahaman Matematis* *Partners: MGMP Matematika Kulonprogo. Year: 2021*
Patents and proprietary rights	1. *Modul Ajar Pembelajaran Statistika berbasis level keterampilan metakognisi untuk mahasiswa calon guru matematika, year: 2024* 2. *Poster Model Perkuliahan Statistika berbasis level keterampilan metakognis, year: 2024* 3. *Lembar Kerja Mahasiswa: Pengantar ke Literasi Statistik, year: 2024*
Important publications over the last 5 years	1. *Dian Endang Lestari, **Djamilah Bondan Widjajanti**, (2025), Comparison of the Advantages of Brain-Based Learning and Scientific in Terms of Students Mathematical Literacy and Self-Efficacy. Jurnal Ilmiah Pendidikan MIPA,* http://dx.doi.org/10.30998/formatif.v15i1.26481 2. *Salsabila, **Djamilah Bondan Widjajanti**, (2025), Metacognitive Strategies in Problem-Based Learning: What They Are and How to Implement Them? International Journal of Mathematics and Computer Research.* https://doi.org/10.47191/ijmcr/v13i02.10 3. *Heni Novianti, **Djamilah Bondan Widjajanti**, (2025), Analysis of the Profile and the Relationship Between Mathematics Anxiety, Critical Thinking, and Financial Literacy Among Junior High School Students in Palu City. International Journal of Multicultural and Multireligious Understanding.* http://dx.doi.org/10.18415/ijmmu.v12i6.6870 4. *Dian Endang Lestari, **Djamilah Bondan Widjajanti**, Adi Susanto, Kana Hidayati, (2025), Students' Self-efficacy in Solving Mathematical Literacy-Based Summative Assessment Problems. Jurnal Pendidikan Matematika.* https://doi.org/10.22342/jpm.v19i1.pp47-62 5. *Ardani, **Djamilah Bondan Widjajanti**, (2024) Integration of Multiple Intelligences Theory in Project-Based Learning, How It Impacts on Students' Critical Thinking and Mathematical Communication Skills?. International Journal of Multicultural and Multireligious Understanding.* http://dx.doi.org/10.18415/ijmmu.v11i10.6277 6. *Tika Siswanti, **Djamilah Bondan Widjajanti**, (2024). Exploration Influence Problem-Based Learning STEM-based towards Ability Literacy Mathematics Middle School Students. International Journal of Multicultural and Multireligious Understanding.* http://dx.doi.org/10.18415/ijmmu.v11i8.6142 7. *Karmawan Adi Pratama, **Djamilah Bondan Widjajanti**, (2024), "STEM: Its Potential in Developing Students' Computational Thinking". International Conference On Mathematics And Science Education, KnE Social Sciences, pages 1074–1083. DOI 10.18502/kss.v9i13.16033* 8. *Nur Fitriani, **Djamilah Bondan Widjajanti**, 2024, Didactical Design of Learning Mathematics in Reducing Students' Learning Obstacles. AIP Conf. Proc. 2622, 140010 (2024).* https://doi.org/10.1063/5.0133555 9. *G. I. Ratnasari, **D. B. Widjajanti**, and S. Andayani, 2023, "Functional thinking in Mathematics Learning: What and How to Measure it?,"*

	Indonesian Journal of Educational Research and Review, vol. 6, no. 3, pp. 553–562, Oct. 2023, doi: 10.23887/ijerr.v6i3.66682 10. *Khilyatul Auliya', **Djamilah Bondan Widjajanti**, 2023, Singaporean and Japanese Maths Textbooks: Character, Structure, and Content. Mosharafa: Jurnal Pendidikan Matematika 155. Volume 12, Number 1, January 2023. p-ISSN: 2086-4280.* 11. *Tika Ulfa Mayu and **Djamilah Bondan Widjajanti**, 2022, The impact of multiple intelligences on students' mathematics learning outcomes: A review. AIP Conference Proceedings 2575, 080024 (2022); https://doi.org/10.1063/5.0109002* 12. ***Djamilah Bondan Widjajanti** and Nani Maryani, 2022, The contextual and scientific approaches in mathematics learning: A comparison of its effectiveness in terms of the mathematical literacy. AIP Conference Proceedings 2575, 050028 (2022); https://doi.org/10.1063/5.0111347* 13. *A. R. Dewi and **D. B. Widjajanti**, 2022, Effectiveness of scientific approach based on multiple intelligences theory in terms of student's mathematical literacy skill and self_confidence that implemented online. AIP Conference Proceedings 2575, 050004 (2022); https://doi.org/10.1063/5.0111079* 14. *Fetty Faridatun Sholikhah and **Djamilah Bondan Widjajanti**, 2022, Humanistic mathematics learning in a scientific approach: What and how to implement it?. AIP Conference Proceedings 2575, 050017 (2022); https://doi.org/10.1063/5.0108511* 15. *Faridah Ulfah Lubis and **Djamilah Bondan Widjajanti**, 2022, Problem-based learning (PBL) conducted online: Its potential in developing student self-efficacy in mathematics learning. AIP Conference Proceedings 2575, 080013 (2022); https://doi.org/10.1063/5.0108856*
Activities in specialist bodies over the last 5 years	-