

Woro Setyarsih, S.Pd., M.Si.

Position	***Assessment and Curriculum Study Lecturer in Physics Education***		
	Assistant Professor in Assessment and Curriculum Study of Physics Education		
Academic career	***Degree***	***University***	***Year***
	Bachelor at Physics Education	Institut Keguruan Ilmu Pendidikan (IKIP) Surabaya - Indonesia	1988-1993
	Master Program at Physics Study Program	Institut Teknologi Bandung (ITB) - Indonesia	1997-2000
	Internal Quality Audit Training based on ISO 9001:2008 and 19011:2011	PT. First Consulting Indonesia	2015
	Training on Awareness and Internal Audit of Quality Management System ISO 9001:2015	TUV Rheinland Group and FMIPA Universitas Negeri Surabaya - Indonesia	2017
Employment	***Position***	***Employer***	***Period***
	Lecturer on Physics Education Department	IKIP Surabaya-Indonesia	1994-1998
	Lecturer on Physics Department	Universitas Negeri Surabaya (Unesa) - Indonesia	1999-2004
	Assistant Professor in Physics Department	Unesa-Indonesia	2004-Now
	Chair of Quality Assurance Unit (UPM) in Physics Department	Unesa-Indonesia	2013-now
	Member of Quality Assurance Group (GPM) of the Faculty of Mathematics and Natural Sciences Unesa	Unesa-Indonesia	2013-2015
	Coordinator of the Mechanics Laboratory in Physics Department	Unesa-Indonesia	2004-now
Research and development projects over the last 5 years	**2021**: Pengembangan Instrumen Penilaian Keterampilan Berpikir Tingkat Tinggi (HOTS) dan Literasi Sains - Universitas Negeri Surabaya (Unesa) Project - IDR 15,000,000 (research member) **2021**: Aplikasi Nanopartikel TiO2/PDA sebagai Pemutih Gigi yang Ramah Lingkungan - - Universitas Negeri Surabaya (Unesa) Project - IDR 40,000,000 (research member) **2020**: Pengembangan *E-Book* Android bagi Mahasiswa S-1 Pendidikan Fisika dalam Masa *Study from Home* Selama Pandemi COVID-19 pada Topik Taksonomi Bloom - Universitas Negeri Surabaya (Unesa) Project - IDR 12,000,000 (research member)		

	2019: Identifikasi Miskonsepsi Mahasiswa Baru Program Studi Pendidikan Fisika Tahun 2019/2020 - Universitas Negeri Surabaya (Unesa) Project - IDR 10,000,000 (research member) **2019**: Aplikasi Nanopartikel Bahan Alam (Dolomit Bangkalan) Untuk Mendukung Ketersediaan Agen Antibakteri Pada Rongga Mulut (first years) – DRPM Dikti project – IDR 116,190,000 (research member) **2019**: Aplikasi TiO2 Nanotube Bahan Alam (Residu Pasir Ilmenit) Sebagai Agen Antibakteri dan Pemutih Pada Gigi (first years) - Universitas Negeri Surabaya (Unesa) Project - IDR 50,000,000 (research member) **2018**: Membekali Keterampilan Ecopreneurship Mahasiswa dengan Menerapkan Pembelajaran yang Mengintegrasikan Literasi Lingkungan Pada Matakuliah Fisika Dasar - Universitas Negeri Surabaya (Unesa) Project - IDR 10,000,000 (research member) **2018**: Superkapasitor dengan Elektroda Berbasis Bahan Alam (last years) – DRPM Dikti project - IDR 95,000,000 (research member) **2017**: Superkapasitor dengan Elektroda Berbasis Bahan Alam (first years) – DRPM Dikti project - IDR 55,321,000 (research member) **2016**: Karakteristik Pelapis Tahan Korosi Berbahan Kalsit Cangkang Kerang – Faculty of Mathematics and Natural Sciences Project - IDR 10,000,000 (research chair) **2016**: Karakterisasi Sifat Optis Kaca Tellurite yang Terdadah Ion Erbium untuk Aplikasi Laser (research member)	
Patents and proprietary rights	**Tittle**	**Year**
	M N R Jauhariyah, **Wasis**, T Sunarti, W Setyarsih, A Zainuddin, dan S. Hidayat. Buku Elektronik Evaluasi Belajar dan Pembelajaran Topik Taksonomi Bloom (HAKI EC00202048963)	2020
	Material antibakteri dari pasir dolomit Bangkalan, Patent Number: **P00201909336 (registered)**	2019
	Sintesis Titanium Dioksida Nanotube Metode Hidrotermal dari Pasir Mineral Tulungagung, Patent Number: **PID201906630 (registered)**	2019
	Pengantar dan Pembuatan Superkapasitor Bahan Alam, Monograph, Copyright-Number: **EC00201981292**	2019
	Komposit karbon aktif/rGO sebagai elektroda superkapasitor, Patent Number: **P00201803106 (registered)**	2018
	Proses pembuatan komposit dari karbon aktif tempurung kelapa dan polianilin sebagai bahan elektroda superkapasitor, Patent Number: **P00201803104 (registered)**	2018
Important publications over the last 5 years	**Tittle**	**Year**
	Mukhayyarotin Niswati Rodliyatul Jauhariyah, Wasis, Titin Sunarti, **Woro Setyarsih**, Abu Zainuddin, and Samsul Hidayat. 2021. Need Assessment of Physics Learning Evaluation Course on COVID-19 Pandemic Era in Bloom's Taxonomy Topic. *Berkala*	2021

	Ilmiah Pendidikan Fisika. Vol 9 No 1 2021. page 57-71	
	Istiqomah, L Rohmawati, **W Setyarsih**, A Hefdea, E Wulancahayani, and Munasir. 2021. Application Titanium Dioxide Nanotube from Natural Source as Tooth Whitening. *Journal of Physics: Conference Series* 1805 (2021) 012012.	2021
	M N R Jauhariyah, T Sunarti, Wasis, Supardiyono, **W Setyarsih**, and A Zainuddin. 2021. Analysis of physics questions based on HOTS criteria: the result of physics teacher training. Journal of *Physics: Conference Series* 1805 (2021) 012023.	2021
	D Lestari and **W Setyarsih**. 2021. Analysis of Students' Scientific Literacy Skills and The Relationship with Critical Thinking Skills on Global Warming Materials. *Journal of Physics: Conference Series* 1805 (2021) 012040.	2021
	Titin Sunarti, Eko Hariyono, **Woro Setyarsih**, Binar Prahani Kurnia, S. Suyidno. 2020. The Impact of Environmental Based Physics Learning on Students' Concept Mastery and Ecopreneurship Management. *Prisma Sains: Jurnal Pengkajian Ilmu dan Pembelajaran Matematika dan IPA IKIP Mataram*. December 2020. Vol. 8, No. 2.	
	Woro Setyarsih, Lydia Rohmawati. 2020. Edukasi Robotika Siswa Sdn Kecamatan Gayungan Surabaya Dan Pengembangan Softskillnya. *Jurnal ABDI*. Vol.6 No.1 Juni 2020, hal. 65 – 74	2020
	V Wardani, L Rohmawati, **W Setyarsih**, D Alfarisi and A Subhan. 2020. Analysis of Charging/Discharging Supercapacitor Active Carbon/rGO Based on Natural Materials. *Journal of Physics: Conference Series* Vol 1491.	2020
	L Rohmawati, S H Intifadhah, **W Setyarsih** and Tukiran. 2019. Specific capacitance of composite electrode activated carbon/rGO of coconut shell (Cocos nucifera) as supercapacitor electrode. *Journal of Physics: Conference Series*, Volume 1171.	2019
	N Anggraini, L Rohmawati and **W Setyarsih**. 2019. Cycle stability of activated carbon/PANi composite as supercapacitor electrode based on natural material. *Journal of Physics: Conference Series*, Volume 1171	2019
	S P Sholicha, **W Setyarsih**, G J Sabrina and L Rohmawati. 2019. Preparation of $CaCO_3$/MgO from Bangkalan's dolomite for raw biomaterial. *Journal of Physics: Conference Series*, Volume 1171.	2019
	L Rohmawati, **W Setyarsih**, NP Putri. 2019. Pembuatan Kit Sederhana Kalorimeter dari Bahan Bekas Bagi Guru IPA Fisika. *Jurnal ABDI: Media Pengabdian Kepada Masyarakat*, 4 (2).	2019
	L Rohmawati, **W Setyarsih** and T Nurjannah. 2018. Variation sweep rate cyclic voltammetry on the capacitance electrode activated carbon/PVDF with polymer electrolyte. *Journal of Physics: Conference Series*, Volume 997.	2018
	S H Intifadhah, L Rohmawati, **W Setyarsih** and Tukiran. 2018. The Effect of rGO Mass Composition on The Performance of Activated Carbon/rGO Supercapacitor Electrode Based on Coconut Shell (Cocos nucifera). *Journal of Physics: Conference Series*, Volume 1108.	2018
	L Rohmawati, **W Setyarsih**, N Anggraini, SH Intifadhah, S Holisa SP. 2018. Capacitance Stability of Supercapacitor from Activated Carbon/PVDF Electrode. *Atlantis Highlights in Engineering (AHE)*, volume 1.	2018

	MNR Jauhariyah, I Zulfa, Z Harizah, **W Setyarsih**. 2018. Validity of student's misconceptions diagnosis on chapter Kinetic Theory of Gases using three-tier diagnostic test. *Journal of Physics: Conference Series* 1006 (1) 012005.		2018
	MNR Jauhariyah, N Suprapto, S Admoko, **W Setyarsih**, Z Harizah, I Zulfa. 2018. The Students' Misconceptions Profile on Chapter Gas Kinetic Theory. *Journal of Physics: Conference Series* 997 (1) 012031.		2018
	MNR Jauhariyah, Z Harizah, I Zulfa, H Mulyastuti, **W Setyarsih**, N Suprapto. 2018. Learn Physics Using Interactive Demonstration to Reduce the Student's Misconceptions on Mechanical Wave. *Advances in Intelligent System Research*, volume 157 (MISEIC 2018)		2018
	N Mufida, L Rohmawati, Istiqomah, A Hefdea, E Wulancahayani, **W Setyarsih.** 2017. Karakteristik Dielektrik Komposit Poly Vinylidene Fluoride (PVDF)/SiO_2 Pasir Vulkanik Kelud. *Jurnal Sains & Matematika*, 6 (1).		2017
	RI Sholikah, **W Setyarsih**, Istiqomah, A Hefdea, E Wulancahayani, L Rohmawati. 2017. Stabilitas Termal dan Kristalinitas Komposit Polyvinylidene Fluoride) PVDF/SiO_2 Pasir Vulkanik Kelud. *Jurnal Sains & Matematika*, 5 (2).		2017
Professional Organization	***Organization***	***Position***	***Period***
	Physical Society of Indonesia (PSI)	Member	2018 – Now
	Perhimpunan Pendidik IPA Indonesia (PPII)	Member	2017-Now