



Asnawi, S.Si.,M.Si.

Position	Lecturer of Material Optics and Instrumentation in Physics Study Program		
	Assistant Professor in Material Optics and Instrumentation in Physics Study Program		
	Degree	University	Year
Academic Career	Bachelor program at Physics Study Program	Institut Teknologi Sepuluh Nopember (ITS) Surabaya-Indonesia	1988-1994
	Master program at Physics Study Program	Institut Teknologi Sepuluh Nopember (ITS) Surabaya-Indonesia	2001-2004
	Training on Awareness, Design, and Development Training ISO 9001:2013	PT. First Consulting Indonesia	2013
	Workshop and Assistance of Academic Writing for International Journal	Universitas Negeri Surabaya - Indonesia	2015
	Workshop of Basic Training for Successful Writing of Manuscripts in Reputable National and International Journals	Universitas Gajah Mada Yogyakarta-Indonesia	2015
	Workshop of Optical Characterization for Materials	LIPi Serpong Jakarta-Indonesia	2015
	Workshop Atomic Force Microscopy (AFM)	Institut Teknologi Sepuluh Nopember (ITS) Surabaya-Indonesia	2016
	Workshop of Nanotrac Wave II	Institut Teknologi Sepuluh Nopember (ITS) Surabaya-Indonesia	2016
	Graduate Course "Scientific Writing for Publication in IEEE Journals"	Electrical Engineering Departemen of Institut Teknologi Sepuluh Nopember Surabaya	2017
	One Day Workshop on Sensor Technology	Institut Teknologi Sepuluh Nopember Surabaya	2018
Employment	Position	Employer	Period
	Lecturer on Physics Study Program	Universitas Negeri Surabaya -Indonesia	1999-now
	Lecturer on Universitas Terbuka	Universitas Terbuka UPBJJ Surabaya	2008-Now
	Experimental Laboratory Coordinator	Universitas Negeri Surabaya -Indonesia	2004-2012
Assistant Professor in Optoelectronics, Laser & Fiber Optics, Electroacoustic and	Universitas Negeri Surabaya -Indonesia	2019-Now	

	<i>Electrical Material</i>		
Research and development projects over the last 5 years	Research focus	Grant (IDR)	Year
	<i>Fabrication of Fiber Bragg Grating Based Glucose Sensor with SnO₂ Nano material for Early Detection of Diabetes Mellitus Non-Invasive (research leader)</i>	55.000.000	2019
	<i>Changes in Optical X-Cross Waveguides Length with Nano Tin Oxide (SnO₂) Films as Optimizing Power Dividers (research leader)</i>	60.000.000	2018
	<i>Improving Science Process Skills in S-1 PGSD-BI Students (Science) Using Simple Science Teaching Aids / Practicums at UPBJJ-UT Surabaya-Research collaboration with UT Surabaya- (research member)</i>	30.000.000	2017
	<i>Development of Disaster Education Modules (Volcanoes) As an Effort to Build Disaster Conscious Attitudes for Elementary Students in Kediri Regency, East Java (second year) (research leader)</i>	50.000.000	2016
	<i>Science and technology for the community Elementary school teacher (research leader)</i>	40.000.000	2016
	<i>Development of Integrated Teaching Materials / Experimental Guides in Optical Wave Subjects to Improve Science Process Skills in the Department of Physics FMIPA Unesa (second year) (research member)</i>	100.000.000	2015
	<i>Development of Disaster Education Modules (Volcanoes) As an Effort to Build Disaster Conscious Attitudes for Elementary Students in Kediri Regency, East Java (first year) (research leader)</i>	52.500.000	2015
Important publications over the last 5 years	International Journal		Year
	<i>A. Asnawi, N.A Siddiq, M.S Muntini, Y.H Pramono "Fabrication of Low-Cost Planar Waveguide Power Splitter Based on Tin (IV) Oxide Nanoparticles using Laser Engraving Method". Vo.14, No.6 International Journal of Microwave (Q3)</i>		2019
	<i>Siddiq, N. A., Chong, W. Y., Pramono, Y. H., Muntini, M. S., Asnawi, A., & Ahmad, H. (2019). All-Optical Humidity Sensor Using SnO₂ Nanoparticle Drop Coated on Straight Channel Optical Waveguide. Photonic Sensors, 1-11.(Q2)</i>		2019
	<i>Asnawi, M.S.Muntini, Y.H.Pramono. "Low-Cost abrication of Optical waveguide as Directional Coupler using CO₂ Laser Cutting", "Atlantis Highlight in Engineering" with ISSN (online): 2589-4943. International Conference on Science and Technology (ICST) Bali, 18-19 Oktober 2018</i>		2018
	<i>Asnawi, G.Yudoyono, Y.H. Pramono. "Fabrication of Straight Optical Waveguides Based on SnO₂ Nanomaterials". Universal Journal of Physics and Application 11(4): 135-138, 2017. DOI: 10.13189/ujpa.2017.110406</i>		2017

	<i>Lucky Putri Rahayu, Yono Hadi Pramono, Asnawi, Gatut Yudoyono, "Fabrication of SnO₂ Nanoparticles Straight Waveguide with Isopropanol Solvent ", The Second International Seminar on Photonics and Its Application (ISPhOA 2016) (Proc. SPIE 10150. Second International Seminar on Photonics and Its Application (ISPhOA 2016).</i>		2016
<i>Activities in specialist bodies</i>	<i>Organization</i>	<i>Position</i>	<i>Period</i>
	<i>Physical Society of Indonesia (PSI)</i>	<i>Member</i>	<i>2001 – Now</i>