

Dr. 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 Optoelectronis, Laser & Fiber Optics,	*Universitas Negeri Surabaya -Indonesia*	*2019-Now*

	Electroacoustic and Electrical Material		
Research and development projects over the last 5 years	***Research focus***	***Grant (IDR)***	***Year***
	Fabrication of Fiber Bragg Grating Based Glucose Sensor with SnO2 Nano material for Early Detection of Diabetes Mellitus Non-Invasive(research leader)	*55.000.000*	*2019*
	Changes in Optical X-Cross Waveguides Length with Nano Tin Oxide (SnO2) Films as Optimizing Power Dividers (research leader)	*60.000.000*	*2018*
	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)	*30.000.000*	*2017*
	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)	*50.000.000*	*2016*
	Science and technology for the community Elementary school teacher(research leader)	*40.000.000*	*2016*
	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)	*100.000.000*	*2015*
	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)	*52.500.000*	*2015*
Important publications over the last 5 years	*International Journal*		*Year*
	D H Kusumawati, N P Putri, Asnawi, T S Dewi and Munasir. 2020. Porosity Characteristics and Electrochemical Performance of rGO Coconut Shell as Supercapacitor Electrodes. Journal of Physics: Conference Series Vol 1491. https://iopscience.iop.org/article/10.1088/1742-6596/1491/1/012058		*2020*
	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)		*2019*
	Siddiq, N. A., Chong, W. Y., Pramono, Y. H., Muntini, M. S., Asnawi, A., & Ahmad, H. (2019). All-Optical Humidity Sensor Using SnO 2 Nanoparticle Drop Coated on Straight Channel Optical Waveguide. Photonic Sensors, 1-11.(Q2)		*2019*
	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):		*2018*

	2589-4943. International Conference on Science and Technology (ICST) Bali, 18-19 Oktober 2018	
	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	*2017*
	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).	*2016*

Activities in specialist bodies	***Organization***	***Position***	***Period***
	Physical Society of Indonesia (PSI)	*Member*	*2001 – Now*