

Dr. Suhrawardi Ilyas, S.Si., M.Sc



Position	Senior Lecturer at Physics Department, Faculty of Mathematics and Sciences, Syiah Kuala University. Teaching Experience: Laser Technology, Thin Film Technology, Electronic Materials, Optical Devices, Classical Mechanics, Semiconductors, Superconductors, Physics of Optometry, Solid State Physics, Material Science, Mathematical Physics, Introduction to Physics, Astronomy, Quantum Physics, Particle Physics, Sensors and Transducers, Relativity
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Physics Department

Academic Career	Doctorate Course: School of Physics, Department of Condensed Matter Physics, The University of New South Wales, Sydney, NSW, Australia (2007) Magister Course: School of Physics, Department of Condensed Matter Physics, The University of New South Wales, Sydney, NSW, Australia (2001) Bachelor Course: Jurusan Fisika, FMIPA, Institut Teknologi Sepuluh Nopember, Surabaya (1994)
Employment	<ol style="list-style-type: none">Lecturer in Faculty of Mathematics and Science, Syiah Kuala University, since 1994.Head of Basic Physics Laboratory, 2016 - 2023.Head of Electronics Engineering Study Program, Physics Department, 2012 - 2016.Executive Secretary of Project Implementation Unit, 7-in-1 Project, Syiah Kuala University, 2013 - 2014.Member of Badan Hisab dan Rukyat Provinsi Aceh, Kementerian Agama Provinsi Aceh, since 2012.Trainer for Astronomy Olympiad Competition for High School students, since 2009.
Research and development projects (last 5 years)	Research Focus on: <ul style="list-style-type: none">Theoretical modelling and characterization of porous silicon based devices.Physical properties of solid materials.Teaching methods and improvements.
Collaborations (last 5 years)	Technical and scientific expert on hilal sighting and astronomical phenomena at Badan Hisab dan Rukyat, Kementerian Agama Provinsi Aceh. Member of Committee of Village Tourism at Atsiri Research Center (ARC).
Patents and proprietary rights	-
Selective Publications (last 5 years)	<ol style="list-style-type: none">Suhrawardi Ilyas and Michael Gal, <i>Nanoporous silicon GRIN lenses</i>, International Journal of Nanotechnology, Volume 5, Number 2-3, 2008, pp. 163-169Suhrawardi Ilyas and Michael Gal, <i>Optical devices from porous silicon having continuously varying refractive index</i>, Journal of Materials Science: Materials in Electronics, Volume 18, Supplement 1, October 2007, pp. 61-64.S. Ilyas, T. Boecking, K. Kilian, PJ Reece, J. Gooding, K. Gaus, M. Gal, <i>Porous silicon based narrow line-width rugate filters</i>, Optical Materials 29 (6), 2007, 619 - 611Erwan, F., Lufika, R. D., Dewi, C., Muhammad, S., Muslim, M., Ilyas, S., & Kiswoyo, K. (2023). HILIRASIS PRODUK AGRO NILAM UNTUK INDUSTRI KREATIF PARIWISATA DESA GEUNTEUT, ACEH BESAR. <i>Martabe: Jurnal Pengabdian Kepada Masyarakat</i>, 6(3), 842-852.Friesca Erwan, Raihan Dara Lufika, Cut Dewi, Syaifullah Muhammad, Muslim, Suhrawardi Ilyas, <i>Perancangan daya tarik wisata untuk pengembangan desa wisata dan inovasi nilam di Desa Ranto Sabon Kabupaten Aceh Jaya</i>, JUMPA Volume 9, Nomor 1, Juli 2022Dari, U., Halim, A., & Ilyas, S. (2022). The Influence of the use of the approach of blended learning model rotation based moodle on motivation and cognitive abilities of students in the subjects of physics. <i>Jurnal Penelitian Pendidikan IPA</i>, 8(1), 195-202.
Membership	Yayasan Pendidikan Islam Teuku Nyak Arif, Board Committee. Physics Society of Indonesia.
External Link	https://fsd.usk.ac.id/suhrawardiilyas/