



Prof. Dr. Syahrur Nur, S.Si., MSi

Position	Basic Physics, Optics, Laser and Its applications, Spectroscopy, Photonic, Vibration, and Waves, Quantum Mechanics, Misconception in Physics, Scientific Writing.
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Academic Career	Doctorate course: Fukui University, Japan-Graduate School of Engineering, University of Fukui (2001-2004); Magister Course: Universitas Indonesia, Program Magister Optoelektronika, UI, Indonesia (1997- 1999); Bachelor Course: Institut Teknologi Sepuluh Nopember Surabaya (ITS), Indonesia- Physics Department (1987-1992)
Employment	Professor of Physics Department, Universitas Syiah Kuala (2018 – present); Vice Director for Academic and Student Affairs of the Graduate School of Syiah Kuala University (2018-2023); Head of Academic Senate of FMIPA USK (2013 – 2023); Secretary of Quality Assurance Board of Syiah Kuala University (2016-2018); Chairperson of the Institutional Accreditation (AIPT) of Syiah Kuala University (2013-2015); Vice Dean for Collaboration, Faculty of Mathematics and Natural Sciences (FMIPA), Syiah Kuala University (2005-2007); Head of the Department of Physics, FMIPA, Syiah Kuala University(1994-1996); Secretary of the Department of Physics, FMIPA, Syiah Kuala University (...1994)
Research and development projects (last 5 years)	Analisis mineral kritis (critical mineral) litium pada batuan pegmatite dan fluida hidrotermal menggunakan teknik laser-induced breakdown spectroscopy, LPPM-USK, 2024; Teknik Libs Untuk Menganalisis Polutan Dalam Cairan menggunakan Adsorben Poliuretan Berbasis Selulosa, PRUUPD, USK-2022; Peningkatan Sensitivitas Sinyal Emisi Trace Elements Menggunakan Teknik Laser Induced Breakdown Spectroscopy-Laser Induced Fluorescence (LIBS-LIF), Penelitian Profesor, LPPM-USK, 2021; Teknik LIBS untuk menganalisis polutan dalam cairan menggunakan adsorben poliuretan berbasis selulosa, PRUUPD, LPPM-USK, 2021;
Collaborations (last 5 years)	<ol style="list-style-type: none"> 1. Research collaboration with Dr. Koo Hendrik Kurniawan at Maju Makmur Mandiri Research Centre in Jakarta 2. Performing better physics education by developing science tools using inexpensive and used tools that joint collaboration with Prof. Kiichiro Kagawa, from the University of Fukui, Japan
Patents and proprietary rights	Books : Muhammad Iqrammullah, Rahmi, Hery Suyanto, Kana Puspita, Haya Fathana, Syahrur Nur Abdulmadjid , 2022, <i>Versatile Fabrication and Use of Polyurethane in Textile Wastewater Dye Removal via Adsorption and Degradation; in Polymer Technology in Dye-containing Wastewater</i> , Singapore, Springer, Hardcover ISBN: 978-981-19-1515-4; eBook ISBN: 978.
Selective Publications (last 5 years)	<ol style="list-style-type: none"> 1. Hartadi, B. S., Ikhwan, R., & Abdulmadjid, S. N. (2025). Elemental analysis and hardness characterization of fermented green arabica coffee bean using Laser-Induced Breakdown Spectroscopy (LIBS). In <i>E3S Web of Conferences</i> (Vol. 605, p. 03052). EDP Sciences 2. Iqrammullah, M., Suyanto, H., Rahmi, R., Fahrurrozi, Patra, A., & Abdulmadjid, S. N. (2024). Cellulose/castor oil-based polyurethane film composite for aqueous Cd and Pb adsorption: Evaluation using laser-induced breakdown spectroscopy. <i>Journal of Applied Polymer Science</i>, 141(43), e56133 3. Tanra, I., Pardede, M., Karnadi, I., Hedwig, R., Suliyanti, M. M., Lie, Z. S., ... & Kagawa, K. (2024). In-Situ Lithium Analysis In MgLi Alloys Using Laser-Induced Breakdown Spectroscopy with a Compact Chamber. <i>ChemPhysChem</i>, 25(16), e202300843 4. Darnifayanti, D., Rizki, D. R., Amirah, S., Abdurrahman, M. F., Akmal, M., Abdulmadjid, S. N., ... & Iqrammullah, M. (2024). Association between vitamin D receptor gene variants and neonatal sepsis: A systematic review and meta-analysis. <i>Journal of infection and public health</i>, 17(3), 518-526 5. Nengsih, S., Abdulmadjid, S. N., Mursal, M., & Jalil, Z. (2024). Photocatalytic performance of Fe₃O₄-TiO₂ in the degradation of methylene blue dye: Optimizing the usability of natural iron sand. <i>Materials Science for Energy Technologies</i>, 7, 374-380
Membership	Himpunan Optika Indonesia (HOI)
External Link	https://fsd.usk.ac.id/syahrur/