



Intan Mulia Sari, M.Si.

Position	Fundamental Physics, Experiment Fundamental Physics (Bachelor Degree of Physics Study Programme), STEM Education
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Academic Career	Magister Course: Universitas Syiah Kuala (USK), Indonesia - Physics Department (2018-2021); Bachelor Course: Universitas Syiah Kuala (USK), Indonesia - Physics Department (2013-2017)
Employment	Research Assistant of STEM Research Center, USK (2018-2021) Expert Assistant of Physics Dept., FMIPA, USK (2024 – present)
Research and development projects (last 5 years)	Master's Thesis Research - Development of Mechanics Learning Module Based on Investigative Science Learning Environment (ISLE) Using MEMS (Microelectromechanical System) Technology and Tracker Applications. 2019. DRPM-Ristekdikti. IDR 54.000.000
Collaborations (last 5 years)	<ol style="list-style-type: none"> 1. Preparation and Training of STEM Modules for Elementary School Teachers in Banda Aceh City and Aceh Besar/CSR-PLN Aceh Region. 2021 2. STEM Learning Module Training on Secondary Education Local Content Curriculum Determination Activities/Aceh Education Office. 2021. 3. Focus Group Discussion on the Preparation of STEM Modules/Aceh Education Office. 2020.
Patents and proprietary rights	-
Selective Publications (last 5 years)	<ol style="list-style-type: none"> 1. M Nanda, M Alwan, M Ghufuran, MII Fahlefy, I Husein, HA Haridhi, B Munir, IM Sari, A Asyqari, T Hasyem, M Muhammad, I Permatasari, S Yunus (2025) Spatial assessment of soil erosion using the revised universal soil loss equation (RUSLE) model for sustainable marine ecosystems in the coastal of northern part, Aceh Province. <i>BIO Web of Conferences</i>. Vol. 156:02010. 2. M. Muzakiah, E. Yusibani, I. M. Sari, R. Oktavia, R. Omar, and I. Irwandi (2024) Effectiveness of Block Programming and Quarky Robots to Improve Computational Abilities Thinking through the STEM Approach, <i>Jurnal Penelitian Pendidikan IPA</i>, 10(12): 10593–10599 3. W Artika, MA Sarong, M Mailizar, IM Sari (2021) Measurement of Students Learning Outcomes through the Application of Smartphone Microscope, <i>2nd SEA-STEM International Conference (SEA-STEM)</i>, 164-167 4. H Sofyan, I Irwandi, W Artika, R Oktavia, ZA Lubis, IM Sari (2021) The Integration of STEM in Indonesia: Current Status and Future Prospects. <i>2nd SEA-STEM International Conference (SEA-STEM)</i>, 177-180 5. IM Sari, E Yusibani, I Irwandi, H Sofyan (2021) Analysis TPACK framework in ISLE-based STEM approach model: case study, <i>Journal of Physics: Conference Series</i> 1882 (1), 012147 6. I Irwandi, IM Sari, R Oktavia, M Syukri (2020) MEMS and IoT applications in ISLE-based STEM physics learning media for mechanics topic with LabVIEW integration, <i>Journal of Physics: Conference Series</i> 1462 (1), 012066
Membership	Physical Society of Indonesia (PSI) (2020/2025)
External link	https://fisika.usk.ac.id/intan-mulia-sari-s-si-m-si/