



Fashbir, S.T, MS

Position	Electronic and instrumentation, medical physics (Physics Department: Bachelor Degree of Electronic Engineering Study Programme; Bachelor Degree of Physics Study Programme)
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Academic Career	<p>Magister Course: University of Arkansas, Fayetteville, USA - Physics Department (2008-2009);</p> <p>Bachelor Course: Institut Teknologi Bandung (ITB), Indonesia-Physics Engineering Department (1999-2003)</p>
Employment	Teaching staff of Physics Dept., FMIPA, USK (2006 – present), Head of electronics and instrumentation laboratory at Physics Dept., FMIPA, USK (2007- 2008)
Research and development projects (last 5 years)	<ol style="list-style-type: none"> 1. measurement and Identification of Brain Wave Activity on Various Objects and Treatment of Experimental Patients Using Electroencephalogram (EEG)/Health Hospital Banda Aceh/2024-2025
Collaborations (last 5 years)	Rumah sakit umum daerah dr Zainul abidin Rumah sakit jiwa Banda Aceh
Patents and proprietary rights	
Selective Publications (last 5 years)	<ol style="list-style-type: none"> 1. Irwandi I, Fashbir (2021) Node.js for Development RSTEM to Support Remote Physics Practicum during COVID-19, Conference Proceedin Proceedings - 2nd SEA-STEM International Conference, SEA-STEM 2021 2. Irwandi, Fashbir (2018) Verification Modal Summation Technique for Synthetic and Observation Seismogram for Pidie Jaya Earthquake M6.5, Conference Proceedin Journal of Physics: Conference Series 3. Irwandi, Fashbir (Applications of the VLF-EM method for rapid Sumatran fault identification in Leuser national park, Aceh, Conference Proceedin AIP Conference Proceedings 4. Elin Yusibani; Farah Dina; Cut Khairunnisa; Fashbir Fashbir; Muhammad Syukri Surbakti; Bambang Joko Suroto (2022) Effect of Continuous Working Fluid Flow Direction on Power Generation from Piezoelectric Sensors, Jurnal Ilmiah Teknik Elektro Komputer dan Informatika Vol 8, No 1 (2022): March76-82 5. Elin Yusibani; Fitria Helmiza; Fashbir Fashbir; Sidik Permana (2021) Simulation on the Effect of Coolant Inlet Temperature and Mass-Flowrate Variations to the Temperature Distribution in Single Pellet Thermal Reactor Core, Jurnal Penelitian Fisika dan Aplikasinya (JPFA) Vol. 11 No. 1 (2021)63-71 6. Fashbir (2017) Measurement and Analysis of Human Brain Signals with Case Study of Sound Input Provision, Journal of Aceh Physics Society 6 (1), 10-19, 2017
Membership	Physical Society of Indonesia (PSI) (2020/2025)
External Link	https://fsd.usk.ac.id/fashbir/