

Dr. Rini Safitri, S.Si., M.Si



Senior Lecturer at Physics Dept. USK. Subjects Taught: Nuclear Physics, Reactor Physics, Medical Physics, (Bachelor Degree Study Programme), Nuclear medicine (Master Degree of Physics Study Programme)

Physics Department

Academic Career	Doctorate Course: Medical Physics, School of Physics Univeristi Sain Malaysia, Penang Malaysia (2004-2009) Magister Course: Medical Physic, Physics ITB Bandung(1995-1997) Bachelor Course: Physics, Matematich and Natural Sains Syiah Kuala University, Banda Aceh (1989-1994)
Employment	Head of Medical Physics Group (2017 -presence) Head of Medical Physics and Nuclear Laboratory at Physics Dept. FMIPA USK (2024 - present); Head of quality Assurance Magister Physics Dept. FMIPA USK (2023-presence)Head of Greenmetric USK (Since 2021- 2024).
Research and development projects (last 5 years)	<ol style="list-style-type: none">1. Analisis Model Resistivitas Bawah Permukaan Untuk Menginvestigasi Penyebab Kegagalan Jalan (Road Failure) di Kawasan Aceh Besar, Penelitian Profesor-PNBP (2024)2. Karakteristik Model Pertumbuhan Pasien Kanker di Rumah Sakit Umum dr. Zainoel Abidin Banda Aceh, Penelitian Lektor Kepala - PNBP (2023).3. Interpretasi Data Geofisika Electrical Logging Untuk Mengidentifikasi Lapisan Weak Zone Berkaitan Dengan Potensi Liquifaksi Di Kawasan Pidie Jaya, Penelitian Profesor- PNBP (2023)4. Simulasi Pengaruh Jumlah Channel dan Geometri Garam Fuel Terhadap Distribusi Temperatur Pada Reaktor Generasi Ke-IV: Molten Salt Reactor, Penelitian Tesis Magister- PNBP (2022)
Collaborations (last 5 years)	-
Patents and proprietary rights	Books: <ol style="list-style-type: none">1. Rini Safitri, Evi Yuvita, 2022, <i>Pengantar Radiodiagnostik</i>, Banda Aceh, Syiah Kuala University Press, 978-623-264-717-6.2. Rini Safitri, Evi Yuvita, Gunawati, 2018, <i>Fisika Statistik</i>, Banda Aceh, Syiah Kuala University Press, 978-602-5679-33-9.
Selective Publications (last 5 years)	<ol style="list-style-type: none">1. Yanti, Y. E., Safitri, R., Afidh, R. P. F., Azmi, N., Zainuddin, A. A., Hussain, A. A. A., & Hassan, M. K. A. (2025). Implementing R-STEM and the ISLE Model to Enhance Students' Conceptual Understanding of Magnetic Induction at Unsyiah Laboratory School. <i>Jurnal Penelitian Pendidikan IPA</i>, 11(3), 760-768.2. Safitri, R. (2025). <i>PENGEMBANGAN MODUL FISIKA BERBASIS SCIENCE, ENVIRONMENT, TECHNOLOGY, SOCIETY TINGKAT SMA/MA</i> (Doctoral dissertation, UIN Ar-Raniry Banda Aceh).3. Syukri, M., Anda, S. T., Safitri, R., Fadhli, Z., & Hs, F. M. (2024). Preliminary Study of Tsunami Impact on Soil Salinity for Agriculture Based on Geophysical Data, a Case Study of Aceh Besar, Indonesia. <i>Malaysian Journal of Science</i>, 68-75.4. Pradana, R., Nugraha, E. D., Omori, Y., Shilfa, S. N., Winarni, I. D., Wahyudi, W., ... & Tokonami, S. (2024). Public exposure from inhalation of radon and thoron around the tin mine and smelter areas in Bangka, Indonesia. <i>Scientific Reports</i>, 14(1), 30731.5. Fitri, C. N., Safitri, R., & Ramadhan, T. M. H. (2024). Ethnoscience-Based Inquiry Learning to Increase Students' Critical Thinking Skills and Collaboration Skills. <i>Jurnal Penelitian Pendidikan IPA</i>, 10(11), 8810-8818.
Membership	-
External Link	https://fsd.usk.ac.id/rsafitri/