



Irhamni, S.Si, M.Si

Position	Modern Physics, Solid State Materials, Material Physics, Biophysics (Bachelor Degree of Physics Study Programme)
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Academic Career	<p>Magister Course: Universitas Indonesia (UI), Indonesia -Physics Department (2000-2003);</p> <p>Bachelor Course: Universitas syiah Kuala (USK), Indonesia - Physics Department (1990-1996)</p>
Employment	Assistant Professor of Physics Dept., FMIPA, USK (2024 – present), Secretary of Bachelor Degree of Electronic Engineering Study Programme at Physics Dept., FMIPA, USK (2011- 2014), Secretary at Physics Dept., FMIPA, USK (2015-2019)
Research and development projects (last 5 years)	Modifikasi Komposit Matrik Polimer Biodegradable Dengan Bahan Pengisi Pati Biji Durian (Durio Zibethinus) Sebagai Bahan Kemasan, APDP Dosen Muda-PNBP/ IDR15000000/ 2013
Collaborations (last 5 years)	<ol style="list-style-type: none"> 1. Kerjasama bidang pendidikan, program Magang Bersertifikat di BMKG Stasiun Geofisika Aceh Besar (2025) 2. Kerjasama bidang pendidikan, program Kuliah Kerja Praktik di PT. Solusi Bangun Andalas (2025) 3. Kerjasama bidang pendidikan, program Kuliah Kerja Praktik di PT Telkom Akses (2024) 4. Kerjasama bidang pendidikan, program Magang dan Studi Independen Bersertifikat di Kementerian Energi dan Sumber Daya Mineral (2023) 5. Kerjasama bidang pendidikan, program Magang Industri di Dinas Pekerjaan Umum dan Penataan Ruang (PUPR) (2023) 6. Kerjasama bidang pendidikan, program Kuliah Kerja Praktik di Rumah Sakit Umum Zainal Abidin (RSUZA) (2022)
Patents and proprietary rights	-
Selective Publications (last 5 years)	<ol style="list-style-type: none"> 1. Zulfalina Zulfalina, Irhamni Irhamni, Ulvia Ulvia, Zuhra Amalia (2025), The Potential of Clamshell (<i>Anadara granosa</i>) as a Source of Calcium Oxide (CaO) in Hydroxyapatite Synthesis, <i>Indonesian Journal of Applied Physics</i> (IJAP), 14 (2), 08-14, 2477-6416 April 2025 2. I Irhamni, E Juliana, Z Zulfalina, F Fauzi, Z Jalil (2024). <i>Utilization of oyster shell waste (crassostrea gigas) as a source of calcium in hydroxyapatite synthesis</i>. Jurnal Geuthèè: 7 (2), 96-104, 2024 3. Zulfalina, Irhamni, and Rizki Andika Ramadhani, "PENGARUH ADISI SEKAM PADI TERHADAP KUALITAS BRIKET BATUBARA MUTU RENDAH", <i>hadron.</i>, vol. 5, no. 2, pp. 41-45, Jan. 2024. 4. Malahayati, Syarifah Fatmiyah, Irhamni, Fauzi, "MILLING TIME'S IMPACT ON IRON SAND'S MAGNETIC PROPERTIES AT LAMPANAH BEACH ACEH BESAR", <i>hadron.</i>, vol. 4, no. 1, pp. 31-36, Dec. 2022. 5. Zulfalina, Heti Nurindahsari, Rini Safitri, Irhamni, Fauzi, (2022), The Effect on Sintering Temperature to The Characteristics of Whitefish (<i>Chanos-Chanos</i> Forsk) Bone-Based Hydroxyapatite. <i>Hadron Jurnal Fisika dan Terapan</i>, Vol. 4 (2), 53-57, 2715-9469 6. Gunawati Gunawati, Syahrul Humaidi, Adi Setiawan , Makmur Sirait, Zulkarnain Jalil, Nadila Ramadhani, Amar Makruf, Shafira Riskina, Irhamni (2022) Physical Characteristics of Aceh Traditional Salt and Its Potential as Raw Material for Thermal Energy Storage, <i>Journal of Ecological Engineering</i>, Volume, 116-122, ISSN 2299–8993. 7. Irhamni, Ireka SALSABILA, Fauzi FAUZI, Zulfalina ZULFALINA, Zulkarnain JALIL, (2021) Study of hydroxyapatite based on Aceh's bovine bone coating on 314L stainless steel as a candidate for coating dental implant materials, <i>Journal of Syiah Kuala Dentistry Society</i>, Vol 6 , 6-11, p-ISSN e-ISSN 2502-0412. 8. Ireka Salsabila, Irhamni dan Zulkarnain Jalil (2018) The Effect of Sintering Temperature and Water Composition in Suspension to the Crystallite Size of Hydroxyapatite Based on Aceh's Bovine Bone, <i>J. Aceh Phys. Soc.</i> , Vol. 7, pp.157-161, e-ISSN: 2355-8229.
Membership	Physical Society of Indonesia (PSI) (2020/2025)
External link	https://fsd.usk.ac.id/irhamni/