



Dr. Ir. Adi Rahwanto, M.Eng.Sc

Position

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Academic Career	<p>Doctorate Course: field of Quantum Engineering, Nagoya University (1999) Magister Course: field of Optoelectronics and Laser Application, University of Indonesia (UI) (1990) Bachelor Course: Physics, Institut ten November (ITS) (1985)</p>
Employment	-
Research and development projects (last 5 years)	-
Collaborations (last 5 years)	-
Patents and proprietary rights	<p>Books:</p> <ol style="list-style-type: none"> Rahmad Almi Putra, S.Pd., M.Sc, T. Andi Fadly, S.T, M.Si, Muhammad Yakob, Drs., M.Pd, Desy Monica, Vina Asmara, Adi Rahwanto , Ir., M.Eng.Sc, Dr dan Zulkarnain Jalil, S.Si, M.Si, Dr., 2022, <i>NANOMATERIAL Sintesis dan Analisis</i>, Purbalingga, CV.EUREKA MEDIA AKSARA, 978-623-487-230-9. Rahmad Almi Putra, T. Andi Fadly, Muhammad Yakob, Zulkarnain Jalil dan Adi Rahwanto, 2021, <i>Biosensor Berbasis Surface Plasmon Resmon Resonance (SPR)</i>, Yogyakarta, DEEPUBLISH (group penerbit CV. Budi Utama), 978-623-02-3595-5. Rahmad Almi Putra, T. Andi Fadly, Muhammad Yakob, Zulkarnain Jalil dan Adi Rahwanto, 2021, <i>Biosensor Berbasis Surface Plasmon Resmon Resonance (SPR)</i>, Yogyakarta, DEEPUBLISH (group penerbit CV. Budi Utama), 978-623-02-3595-5. <p>Patents:</p> <ol style="list-style-type: none"> 2016, Metode Preparasi Serbuk Nano-Magnetite dari Pasir Besi Pantai untuk Katalis Material Penyimpan Hidrogen Sistem MgH₂, P00201507725, Banda Aceh, Indonesia. 2016, Preparasi Bijih Besi Hematite Nano Kristal menggunakan Kontainer Milling Tipe Planetary Monomill, P00201507734, Jakarta, Indonesia. 2012, METODE PEMBUATAN MATERIAL MgH₂ DAN Ni NANOPARTIKEL SEBAGAI MATERIAL PENYIMPAN HIDROGEN, P00201000839, Universitas Syiah Kuala, Indonesia. 2011, PREPARASI SERBUK NANOKRISTAL MGH₂ MELALUI TEKNIK MECHANICAL ALLOYING, P00200900765, Universitas Syiah Kuala, Indonesia.
Selective Publications (last 5 years)	<ol style="list-style-type: none"> Ismail, I., Mutiara, D., Rahwanto, A., Jalil, Z., Fathmiah, S., & Fadzullah, S. H. S. M. (2025). Effect of Filler Size on the Properties of Oil Palm Empty Fruit Bunch High-Load Filler Biocomposite. <i>Trends in Sciences</i>, 22(4), 9374-9374. Ismail, I., Marni, A., Yufita, E., Rahwanto, A., & Md Fadzullah, S. H. S. (2024). Effect of Composition on Physical, Mechanical, and Thermal Properties of Oil Palm Empty Fruit Bunch Epoxy Resin Biocomposite. <i>Key Engineering Materials</i>, 1001, 99-109. Handoko, E., Marpaung, M. A., Jalil, Z., Rahwanto, A., Aulia, T. B., Iriani, Y., ... & Alaydrus, M. (2024, October). Microwave absorption studies in X-band of magnetized barium hexaferrite. In <i>Journal of Physics: Conference Series</i> (Vol. 2866, No. 1, p. 012025). IOP Publishing. Banurea, R., Frida, E., Rahwanto, A., Nasution, D. L. S., & Simbolon, T. R. (2024, March). Design a machine with technology to convert plastic waste into fuel renewable energy. In <i>Journal of Physics: Conference Series</i> (Vol. 2733, No. 1, p. 012004). IOP Publishing. Zulfikar, T. M., & Rahwanto, A. (2024). Pengaruh Variasi Waktu Milling terhadap Temperatur Nano komposit Fe₃O₄-MgH₂ sebagai bahan baku katalis pada Tabung Hydrogen Storage. <i>Jurnal Serambi Engineering</i>, 9(1), 7873-7879.
Membership	Member of Indonesian Physical Society Profession
External Link	https://fsd.usk.ac.id/adi_rahwanto/