UNIVERSITAS PENDIDIKAN INDONESIA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES EDUCATION
DEPARTMENT OF PHYSICS EDUCATION
Jalan Dr. Setiabudi 229 Bandung 40154
Tel: (022) 2004548 Fax. (022) 2004548
Website: fisika.upi.edu, E-mail: sekdep_pendfisika@upi.edu

STAFF HANDBOOK

Name	Endi Suhendi
Position	Material Physics (*Teaching area and designation)*

Academic career

Initial academic appointment	*Institution*	*Year*
Associate Professor	***Universitas Pendidikan Indonesia***	***2015***
Habilitation [German post-doctoral qualification] (Subject)	*institution*	*Year*
Doctorate (Subject)	*Institution*	*Year*
Physics	***Institut Teknologi Bandung***	***2010-2015***
Master (Subject)	*Institution*	*Year*
Physics	***Institut Teknologi Bandung***	***2001-2003***
Undergraduate degree (subject)	*Institution*	*Year*
Physics	***Institut Teknologi Bandung***	***1997-2001***

Employment

Position	*Employer*	*Year*
Chairman of Physics Study Program	***Dean***	***2019-2023***
Lecturer	***Dean***	***2003-Now***

Research and development projects over the last 5 years

Name of project or research focus
Period and any other information
Partners, if applicable
Amount of financing

No	Year	Title of Research Project	Financing	
			Sources	Amount (Million Rp)
1	2020 - 2022	Analysis of the Effect of Local Yarosite Mineral Composition Materials on the Characteristics of LaFeO3 Thick Film Ceramics for Gas Sensors	Ministry of Research and Technology of the Republic of Indonesia	166 (2020)
2	2018 - 2020	Analysis of the Characteristics Model of Electronic Devices Based on Multilayer Graphene Nanoribbon Materials for Low Power and High-Speed Electronic Device Applications	Ministry of Research and Technology of the Republic of Indonesia	74 (2020) 74 (2019) 143 (2018)
3	2017 - 2019	Optimization of the Synthesis and Characterization of LaFeO3 Thick Film Ceramics from Local Materials for Ethanol Gas Sensors	Ministry of Research and Technology of the Republic of Indonesia	212 (2019) 212 (2018) 132 (2017)

Industry collaborations over the last 5 years

Project title
Partners

Patents and proprietary

No.	Title	Type	Year

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rights

1	Tunneling Current Characteristics Simulation Program on Tunnel Field Effect Transistors Bilayer Armchair Graphene Nanoribbon with Airy Function Approach Method	Proprietary rights	2020
2	Synthesis and Characterization of ZnO Doping LaFeO3 Thick Film Ceramics for Ethanol Gas Sensor Applications	Proprietary rights	2020
3	Tunneling Current Electron Characteristic Simulation Program on P-N Juction Diode Bilayer Armchair Graphene Nanoribbon	Proprietary rights	2019
4	Guide to Using Computer Simulation of Light Waves: Part 1	Proprietary rights	2019
5	Tunneling Current Characteristics Simulation Program on NPN Armchair Graphene Nanoribbon Dipole Transistor	Proprietary rights	2018
6	The Process of Making LaFeO3-Based Thick Film Ceramics from Local Yarosite Minerals As The Main Component Of Gas Sensors	Proprietary rights	2018

Important publications over the last 5 years

Selected recent publications from a total of approx. (give total number): 48 Publication (Scopus Indexed)
Author(s)
Title
Any other information
Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers

No	Publication	Author (s)
1	Model of Tunneling Current on Bilayer Armchair Graphene Nanoribbon Tunnel Field Effect Transistor Using Transfer Matrix Method, Journal of Nano- and Electronic Physics, Vol. 12 No. 3, 2020, p. 03036-1 – 03036-5	**Endi Suhendi**, M. Fulki Fadhillah, Intan Anjaningsih, Shofi D. Ulhaq, Amelia Fadhillah, and Dadi Rusdiana
2	Modeling of Tunneling Current of Electron in Bilayer Armchair Graphene Nanoribbons P-N Junction Diode Using Transfer Matrix Method, International Journal of Nanoelectronics and Materials, Vol. 13 No. 1, 2020, p. 81-90	Intan Anjaningsih, M. Fulki Fadhillah, Lilik Hasanah and **Endi Suhendi**
3	Comparison of tunneling currents in graphene nanoribbon tunnel field effect transistors calculated using Dirac-like equation and Schrödinger's equation, Journal of Semiconductors, Vol. 4, No 5, 2019, p.062002-1 – 062002-5	**Endi Suhendi**, Lilik Hasanah, Dadi Rusdiana, Fatimah A. Noor, Neny Kurniasih, and Khairurrijal
4	Modeling of Armchair Graphene Nanoribbon Tunnel Field Effect Transistors for Low Power Applications, Journal of Semiconductor Technology and Science, Vol.19, No.4, 2019, p. 336-345	**Endi Suhendi**, Lilik Hasanah, Fatimah A. Noor, Neny Kurniasih, and Khairurrijal
5	The Effect of SrO Doping on LaFeO3 using Yarosite Extraction based Ethanol Gas Sensors Performance Fabricated by Coprecipitation Method, International Journal of Nanoelectronics and Materials, Vol. 12, No. 2, 2019, p. 185-192	**Endi Suhendi**, Muhamad Taufik Ulhakim, Andhy Setiawan and Dani Gustaman Syarif

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	6	Synthesis and Characterization of Al2O3-Doped LafeO3 Thick Film Ceramics for Ethanol Gas Sensing Application, Oriental Journal of Chemistry, Vol. 35 No. 1, 2019, p. 283-288	**Endi Suhendi**, Neng Astri Lidiawati, Andhy Setiawan and Dani Gustaman Syarif
	7	Multi-Hop Wireless Sensor Network Performance and Energy Simulation, Pertanika Journals SCIENCE & TECHNOLOGY, Vol. 26 No. 1, 2018, p. 427-440	Lilik Hasanah, Heru Yuwono, Ahmad Aminudin, **Endi Suhendi**, Yuyu Rachmat Tayubi and Khairurrijal

Activities in specialist bodies over the last 5 years

Organization	Role	Periods
Physical Society of Indonesia	Member	2015 - Now
Materials Research Society of Indonesia (MRS-id)	Member	2015 - Now

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Membership without a specific role need not be mentioned