



ANIF JAMALUDDIN, S.SI., M.SI., PH.D.

PHYSICS EDUCATION LECTURER



PROFILE

Functional Position
Senior Lecturer

Structural Position
Staff Mobility

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198006132010121002

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0013068007

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Teaching Area
Advanced Physics,
Entrepreneurship

Organization
Physical Society of Indonesia (PSI)

ACADEMIC CAREER

- 2002 S.Si., Instrumentation and electronics Physics, University of Diponegoro
- 2009 M.Si., Science Ingredients, University of Indonesia
- 2021 Ph.D., Energy Engineering, National Central University

EMPLOYMENT

- 2013 Junior Lecturer at Sebelas Maret University
- 2017 Senior Lecturer at Sebelas Maret University
- 2021 Coordinator of Scientific Publications and Teaching Materials Quality Assurance Unit at P2M LPPM
- 2021 Coordinator of International Cooperation for Asia and Middle East Region

RECENT RESEARCH PROJECT

Year	Research Title	Fund	
		Source	Amount (in million)
2021	Studying and Optimizing Electric Double Layer Capacitor based on Conductive Carbon Materials with Machine Learning Method	Mandiri	-
2021	Optimalisasi Bisnis Refurbishing dengan Pendekatan Game Theory dan Discrete Choice Experiment	Mandiri	-
2021	Pengembangan Robot-Pandu Untuk Membantu Orientasi Dan Mobilitas Individu Tuna Netra Pada Tempat Baru	Kemendikbud	49
2017	Implementasi Modul Baterai Smart UNS LiFePO4 Pada Rumah Daya Tenaga Surya 500VA	PNBP	80

RECENT COMMUNITY SERVICE PROJECT

Year	Community Service Project Title	Partner	Fund Source	Fund Amount (in million)
2021	Pendampingan Kelompok Bank Sampah di Desa Dibal dengan Pembuatan Komposit dari Sampah	-	Mandiri	-

PUBLICATION (TOTAL : 16)

- Control of Graphene Heteroatoms in a Microball Si@Graphene Composite Anode for High-Energy-Density Lithium-Ion Full Cells. ACS Sustainable Chemistry and Engineering, 8. 2021
- Facile synthesis of core-shell structured Si@graphene balls as a high-performance anode for lithium-ion batteries. Nanoscale, 12. 2020
- High energy density of all-screen-printable solid-state microsupercapacitors integrated by graphene/CNTs as hierarchical electrodes. Journal of Material Chemistry, 7. 2019
- A Monitoring System of Battery LiFePO₄ for Assessment Stand-Alone Street Light Photovoltaic System Based on LabVIEW Interface for Arduino (LIFA). International Journal of Power Electronics and Drive System (IJPEDS), 8(2). 2017
- Controlled multimodal hierarchically porous electrode self-assembly of electrochemically exfoliated graphene for fully solid-state flexible supercapacitor. Physical Chemistry Chemical Physics, 19. 2017

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Year	IPR's TITLE	Type	ID
2021	Buku Panduan Alat Pemanas Plastik Segel Modifikasi	Guidebook	EC00202169184
2021	Sistem Pencatatan/Logging Data Sensor DHT11 Ke Google Sheets	Guidebook	EC00202169185
2021	Oven Listrik Menggunakan Thermostat Digital	Guidebook	EC00202169187
2021	Buku Tutorial "Smart Irrigation System With ThingSpeak"	Guidebook	EC00202169188
2021	Buku Panduan Alat Bantu Sealing	Guidebook	EC00202169189

2021	Alat Filling Semi Manual Menggunakan Servo Berbasis Arduino	Guidebook	EC00202169190
2021	Automatic Measurement Filling Machine With Arduino Uno	Guidebook	EC00202169191
2021	Buku Panduan Alat Filling Imuno	Guidebook	EC00202169192
2021	Notifikasi Alarm Kebakaran Melalui Blynk Dengan Flame Module	Guidebook	EC00202169193
2021	Fire Detektor Disertai Dengan Alarm Dan Notifikasi Email	Guidebook	EC00202169194
2021	LED Growth Light Otomatis Untuk Pembibitan Sirih Hitam Berbasis Internet Of Things	Guidebook	EC00202169195
2021	Smart Greenhouse : Monitoring With ThingSpeak And Automatic Environmental Condition Control	Guidebook	EC00202169196

ADDITION ACTIVITIES

Staff Mobility

2021	Presenter at ATU-Net International Staff Week 2021
2020	Reviewer at Journal of King Saud University : Computer and Information Sciences
2020 - 2021	Reviewer at Journal of Energy Report