

## STAFF HANDBOOK (CV)



Name	Arya Kusumawardana, S.Pd, M.T.		
Post	<b>Emulator and Simulator Development for Renewable Energy Learning Media, nonlinear and robust control system, Coordination and cooperative control system</b>		
Academic Career	S1	Pend Teknik Elektro – Universitas Negeri Malang	2015
	S2	Teknik Elektro-Sistem Pengaturan – ITS Surabaya	2018
	S3		
Employment	Lecturer	Universitas Negeri Malang	2018 - present
Research and development project over the last 5 year	Control of Wind Power Plant Using Vertical Turbine and DC Chopper for Maintain Stability of Output Voltage		2020
Industry collaborations over the last 5 year	IDB (Islamic Delepment Bank) Pengembangan Sarana dan Prasarana		2015 -2019
	Utilization of Solar Water Pumps to Improve Water Irrigation Volume in A Rural Farm, with Tawang Farmer Group		2020
Patens and propriety right	No.	Title	ID Number
Important publications over the last 5 year	1. PMSM Speed Control using Enhanced Discrete Sliding Mode Control under Disturbance		2020
	2. Voltage Restoration and Current Sharing in DC Microgrid Using Decentralized Gossip Algorithm		2020
	3. Integrated Bi-directional Buck-Boost Converter with Small Wind Turbine for Voltage Load Mitigation using Intelligent Controller		2020
	4. Coordination Power Control Of DC Water Pump System using Dual-loop Control and Consensus Algorithm		2019
	5. Simple MPPT based on Maximum Power with Double Integral Sliding Mode Current Control for Vertical Axis Wind Turbine		2019
	Disturbance compensation using CTC with NDOB for formation control of mobile robots		2018
Activities in specialist bodies over the last 5 year	IEEE	Member	2020