

Staff Handbook



Rifqi Firmansyah, S.T., M.T.

POSITION	Lecturer of Electrical Engineering, Faculty of Engineering, UNESA		
	Master in Control System Engineering		
	Title	University	Year
	Master	Institut Teknologi Sepuluh Nopember	2013
ACADEMIC CAREER	Bachelor of Electrical Engineering -Control System Engineering	Institut Teknologi Sepuluh Nopember	2011
	Master of Electrical Engineering -Control System Engineering	Institut Teknologi Sepuluh Nopember	2013
EMPLOYMENT	Position	Place	Year
	Lecturer	Department of Electrical Engineering	2014-present
	Deputy head of Laboratory of Engineering Physics	Department of Electrical Engineering	2015-2019
	Deputy head of Laboratory of Robotics	Department of Electrical Engineering	2019-2020
	Member of quality assurance	Department of Electrical Engineering	2018-2019

RESEARCH AND DEVELOPMENT PROJECT OVER THE LAST 5 YEARS	<ol style="list-style-type: none"> 1. Rancang Bangun Trainer Telemetry Sebagai Media Pembelajaran Mata Kuliah Telemetry dan Kontrol di JTE Unesa 2. Pengembangan Jobsheet pada Matakuliah Jaringan Telekomunikasi pada Prodi S1 Pendidikan Teknik elektro FT Unesa 3. Rancang bangun perangkat pembelajaran teknik pengaturan dengan software matrix laboratory melalui pendekatan inquiry based learning berorientasi pada kebutuhan industry (First year) 		

	4. Restrukturisasi kurikulum program studi D3 Teknik Listrik Fakultas Teknik Unesa				
	5. Rancang Bangun Perangkat Pembelajaran Teknik Pengaturan Dengan Software Matrix Laboratory Melalui Pendekatan Inquiry Based Learning Berorientasi Pada Kebutuhan Industri (Second year)				
	6. Pengembangan Jobsheet Berbasis Video Tutorial untuk Memperluas implementasi Vi Learning pada Matakuliah Praktikum Mikrokontroler				
	7. Perancangan Trainer Praktikum Otomasi Instalasi Listrik Berbasis PLC CP1E N20 DRA-HMI				
PATENTS AND PROPRIETARY RIGHT	<table border="1"> <thead> <tr> <th>Title</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>-</td> <td>-</td> </tr> </tbody> </table>	Title	Year	-	-
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IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS	<ol style="list-style-type: none"> 1. Pemantauan Ruang Inkubator Penetasan Telur Ayam Dengan Berbasis Telemetry Menggunakan Arduino Uno R3. Jurnal Nasional Teknik Elektro, 5(1), pp.26-35. 2. Rancang Bangun Trainer Telemetry Sebagai Media Pembelajaran Matakuliah Telemetry Dan Kontrol Di Jurusan Teknik Elektro Unesa. Jurnal Pendidikan Teknik Elektro, 6(1). 3. Telemetry Flowmeter Menggunakan RF Modul 433MHz. Journal of Electrical and Electronics Engineering UMSIDA, 1(1), pp.8-14. 4. Perancangan Sistem Telemetry Untuk Mengukur Intensitas Cahaya Berbasis Sensor Light Dependent Resistor Dan Arduino Uno. Journal of Electrical and Electronics Engineering UMSIDA, 1(1), pp.15-21. 5. Penerapan Modul RF 433 dalam Pengukuran Intensitas Cahaya Menggunakan Sensor LDR Berbasis Arduino. INAJEEE: Indonesian Journal of Electrical and Eletronics Engineering, 1(1), pp.1-6. 6. Developing Learning Tool of Control System Engineering Using Matrix Laboratory Software Oriented on Industrial Needs. In IOP Conference Series: Materials Science and Engineering (Vol. 336, No. 1, p. 012030). IOP Publishing. 7. Arduino Based Weather Monitoring Telemetry System Using NRF24L01+. In IOP Conference Series: Materials Science and Engineering (Vol. 336, No. 1, p. 012024). IOP Publishing. 8. Development of Learning Tool Control with Inquiry Based Learning To Improve Student Motivation Learning Oriented Industrial Needs. In International Conference on Indonesian Technical Vocational Education and Association (APTEKINDO 2018). Atlantis Press. 9. Perancangan dan Simulasi Sistem Lampu Lalu Lintas 4 Arah dengan Menggunakan Programmable logic Controller Omron CP1E dengan Tampilan Cx-Designer. INAJEEE: Indonesian Journal of Electrical and Eletronics Engineering, 1(2), pp.13-18. 10. An Ardiuno-Simulink Based ECG Waveform Generator," 2018 2nd 				

	Borneo International Conference on Applied Mathematics and Engineering (BICAME), Balikpapan, Indonesia, 2018, pp. 338-342, doi: 10.1109/BICAME45512.2018.1570504879.		
	11. The prototype of infant incubator monitoring system based on the Internet of things using NodeMCU ESP8266. In Journal of Physics: Conference Series (Vol. 1171, No. 1, p. 012015). IOP Publishing.		
	12. Combination Of Quadratic Discriminant Analysis And Daubechis Wavelet For Classification Level Of Misalignment On Induction Motor. In 2019 International Symposium on Electronics and Smart Devices (ISESD) (pp. 1-5). IEEE.		
	13. Various and multilevel of coiflet discrete wavelet transform and quadratic discriminant analysis for classification misalignment on three phase induction motor. In Journal of Physics: Conference Series (Vol. 1367, No. 1, p. 012049). IOP Publishing.		
ACTIVITIES IN SPECIALIST BODIES	Organization	Position	Period
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