

# 1. Staff Handbook



***Eppy Yundra, S.Pd., M.T., Ph.D.***

<b>POSITION</b>			
<b>Lecturer of Electrical Engineering, Faculty of Engineering, UNESA</b>			
Doctor in Electrical Engineering (Telecommunication Networks)			
	<b>Title</b>	<b>University</b>	<b>Year</b>
	Ph.D	National Taiwan University of Science and Technology (NTUST)-Taiwan	2015
<b>ACADEMIC CAREER</b>	Bachelor of Eletrical Engineering Education	Universitas Negeri Surabaya (UNESA)	2000
	Master of Engineering	Institut Teknologi Bandung (ITB) Bandung	2008
	Doctor of Philosophy	National Taiwan University of Science and Technology (NTUST)-Taiwan	2015
<b>EMPLOYMENT</b>	<b>Position</b>	<b>Place</b>	<b>Year</b>
	Lecturer of Electrical Engineering Department	Department of Electrical Engineering	2002 - Now
	Assistant Professor – Lower.	Department of Electrical Engineering	2004- 2011
	Assistant Professor - Upper	Department of Electrical Engineering	2011 - Now
	Deputy head of laboratory Electronic Communication	Department of Electrical Engineering	2011 - 2012
	Secretary of Department of Electrical Engineering	Department of Electrical Engineering	2016 - 2019

	1. Metode Baru Pada Wireless Sensor Networks Untuk Mengatasi Performance Degradation Pada Jaringan Tanpa Kabel Berbasis IEEE 802.15.4 (Ketua, Tahun 2019).				
	2. Kajian Kurikulum Program Studi S3 Pendidikan Vokasi Dalam Rangka Pembentukan Kompetensi Lulusan (2019).				
	3. Mendeteksi Intensitas Radiasi Sinar Matahari Pembangkit Listrik Photovoltaic Berdasarkan Data Meteorologi Dengan Metode Fuzzy-MCDM-NN Untuk Petani Tambak Garam (2019)				
<b>RESEARCH AND DEVELOPMENT PROJECT OVER THE LAST 5 YEARS</b>	4. Pengembangan Aplikasi Motion Sensing Dengan Wireless Body Area Network Berbasis Android Smartwatch (Ketua, Tahun Ke II, 2018)				
	5. Pengembangan Aplikasi Motion Sensing Dengan Wireless Body Area Network Berbasis Android Smartwatch (Ketua, Tahun Ke I, 2017)				
	6. Pemetaan Kompetensi dan Kebutuhan Dosen Jurusan Teknik Elektro Dalam Rentang Waktu 2018-2028 (Ketua, 2018)				
	7. Penerapan Metode Penyesuaian Guaranteed Time Slot (GTS) Berdasarkan Ukuran Data Untuk Meningkatkan Kinerja Jaringan IEEE 802.15 (Ketua, 2016)				
	8. Pembuatan Pendukung Trainer Praktikum Untuk Mata Kuliah Dasar Sistem Telekomunikasi Sebagai Upaya Peningkatan Kompetensi Dasar Mahasiswa Prodi S1 Teknik Elektro FT-Unesa (Anggota, 2016)				
	9. Analysis of Superframe Duration Adjustment Scheme for IEEE 802.15.4 Networks (Anggota, 2015, Taiwan)				
<b>PATENTS AND PROPRIETARY RIGHT</b>	<table border="1"> <thead> <tr> <th>Title</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>1. Android Motion Sensor, Nomor: 000134292</td> <td>2019.</td> </tr> </tbody> </table>	Title	Year	1. Android Motion Sensor, Nomor: 000134292	2019.
Title	Year				
1. Android Motion Sensor, Nomor: 000134292	2019.				
<b>IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS</b>	<ol style="list-style-type: none"> <li>Hybrid Model Combined Fuzzy Multi-Objective Decision Making with Feed Forward Neural Network (F-MODM-FFNN) For Very Short-Term Load Forecasting Based on Weather Data, International Journal of Intelligent Engineering and Systems, Vol.13, No.4, 2020 (In Press), (<b>Scopus Q2</b>)</li> <li>Adjustment Delay Scheme to Improve Performance IEEE 802.15.4 Networks. Vol 15, No 4, December 2017 Halaman 1710-1722 sebagai penulis Pertama (<b>Scopus Q2</b>)</li> <li>Implementation Adjustment Guaranteed Time Slot Method Based on Data Size for IEEE 802.15.4, International Journal of Semantic Technology Volume 1 Number 1 May 2017 halaman 41-46.</li> <li>Analysis of Superframe Duration Adjustment Scheme for IEEE 802.15.4 Networks, Eurasip Journal on Wireless Communication and Networking (International Journal), 103/2015 (<b>Scopus Q2</b>)</li> <li>Pengembangan Perangkat Pembelajaran Project Based Learning Pada Standar Kompetensi Mengoperasikan Power Supplyelektronika Industri Di SMK Negeri 2 Bojonegoro, JPTE UNESA, Vol 5, No 1, (2016)</li> </ol>				

	6. Pengembangan Pembelajaran Teknik Radio Dengan Menggunakan Metoda PQ4R Berbasis Multimedia, Jurnal PTK
	7. Studi Kinerja Dalam Sistim Komunikasi Untuk Perhitunganprobabilitas Kesalahan Pada Spektrum Tersebar, Jurnal Teknik Elektro, Vol 2 No1 2013
	8. Peningkatan Kinerja Dengan Pemanfaatan Medium Access Control (MAC) 802.16 Pada Worldwide Interoperability For Microwave Access (WIMAX) Berbasis Umpan Balik Adaptif, Jurnal Teknika, Vol.9 No.1 Februari 2008
	9. Mode Switching dengan IC Pembanding 74LS85 dan IC ISD 2590 Sebagai Pengaman Pintu, Jurnal Teknika, No. 8, Vol. 4, Januari 2004
	10. Dynamically Allocation Guaranteed Time Slot Based On IEEE 802.15.4 For Wireless Sensor Networks, International Conference on Research and Academic Community Services (ICRACOS), 7 September 2019 di Golden Tulip Hotel Surabaya
	11. Heart Detection System Using Hybrid Internet of Things Based on Pulse Sensor, The 1st International Conference on Education, Science and Technology (ICESTech) 2019, March, 13th - 16th 2019, Universitas Negeri Padang, West Sumatera, Indonesia
	12. Wireless Body Area Network's Application for Motion Detection Based on Android Smartwatch, Annual Applied Science and Engineering Conference (AASEC) 2018, April 18, 2018, Bandung
	13. Study of Allocation Guaranteed Time Slot Wireless Body Area Networks Based On IEEE 802.15.4, International Conference on Vocational Education and Electrical Engineering (ICVEE) 2017, November 9, 2017, Surabaya
	14. Study of Adjustment Delay Scheme on IEEE 802.15.4 Networks at Beacon Enabled Mode, Annual Applied Science and Engineering Conference (AASEC) 2017, August 24, 2017, Bandung
	15. Penerapan Aplikasi Wireless Body Area Network Pada Motion Sensing Berbasis Android Smartwatch, Seminar Nasional Hasil Penelitian dan Pengabdian Kepada Masyarakat, Surabaya 4 Nopember 2017
	16. The Emerging Wireless Body Area Network on Android Smartphones: A Review. Annual Applied Science and Engineering Conference (AASEC) 2017, August 24, 2017, Bandung
	17. The Development of Learning Instrument with Learning Cycles 5E Model on The Technique Microprocessor Subject at State Vocational Senior High School 2 Surabaya, International conferences and call papers collaboration among universities toward global competition, March, 30 – 1 April 2017, Bogor
	18. Implementation Adjustment Guaranteed Time Slot Method Based on Data Size for IEEE 802.15.4, Academic Community Empowerment Through International Journal Publication, January, 13-14, 2017, Jakarta
	19. Penerapan Metode Penyesuaian Guaranteed Time Slot (GTS) Berdasarkan Ukuran Data Untuk Meningkatkan Kinerja Jaringan IEEE 802.15.4, Seminar Nasional FPTVI 2017, 9 Februari 2017-Bali

	20. Development Learning Media Based on Internet Using Moodle On Data Communication's Course At The State University Of Surabaya, The 8th International Convention of Indonesian Association of Technological and Vocational Education (APTEKINDO) and 19th Indonesian Congress of FT/FPTK-JPTK., 3-6 August 2016-Medan-Indonesia
	21. Analysis of Adjustment Delay Scheme Beacon Enabled Mode for Star Networks, International Conference Vocational and Electrical Engineering (ICVEE) 2015, 18 Nov 2015-Unesa
	22. Analysis of Superframe Duration Adjustment Scheme for IEEE 802.15.4 Networks, International Conference Ubiquitous Future Networks (ICUFN), 7-10 July 2015-Hokaido- Japan
	23. Penentuan Tema Pengembangan Dan Penerapan Perangkat Pembelajaran Berbasis Teknologi Informasi Dan Komunikasi Di SMK Sebagai Alternatif Strategi Menyiapkan Lulusan Sebagai Guru SMK-RSBI, International Seminar, Peran LPTK Dalam Pengembangan Pendidikan Vokasi di Indonesia, Bali 29 April – 2 Mei 2010
	24. Pengembangan Media Audio Visual Untuk Pembelajaran Mandiri Siswa Pada Standar Kompetensi Memperbaiki Radio Penerima, Seminar Nasional PTK Fakultas Teknik Universitas Negeri Surabaya, 10 Desember 2010
	25. Pengembangan Alat Testing Flyback Untuk Meningkatkan Penghasilan Dan Efisiensi Pelayanan Service Elektronik Berbasis Digital, Seminar Nasional Hasil PKM,Diknas, DP2M Dirjen Dikti., Jakarta 22-24 Mei 2008
	26. Interactive Learning Signal Processing Based On Multimedia Learning, International Seminar on Information and Communication Technology and its Implication Toward Industrial, Engineering and Education, 6 May 2006-Surabaya
	27. Teknik Radio., Penerbit Unipress, 2004
	28. Pemrograman Android untuk Deteksi Gerakan: Pemanfaatan sensor akselerometer dan giroskop pada smartphone untuk berbagai kebutuhan, Penerbit Granity, 2019.

ACTIVITIES IN SPECIALIST BODIES	Organization	Position	Period