

# Staff Handbook



***Pradini Puspitaningayu, S.T., M.T.***

<b>POSITION</b>			
<b>Lecturer of Electrical Engineering, Faculty of Engineering, UNESA</b>			
Master in Telecommunication Multimedia			
	Title	University	Year
	Master	Institut Teknologi Sepuluh Nopember	2014
<b>ACADEMIC CAREER</b>			
	Bachelor of Electrical Engineering – Telecommunication	Brawijaya University	2010
	Master of Electrical Engineering – Telecommunication Multimedia	Institut Teknologi Sepuluh Nopember	2014
<b>EMPLOYMENT</b>			
	Position	Place	Year
	Lecturer	Department of Electrical Engineering	2014-present
	Member of Quality Assurance	Department of Electrical Engineering	2016-2019
	Deputy head of Laboratory of Telecommunication	Department of Electrical Engineering	2019
<b>RESEARCH AND DEVELOPMENT PROJECT OVER THE LAST 5 YEARS</b>			
	1. Pengembangan Jobsheet Berbasis Video Tutorial untuk Memperluas implementasi Vi-Learning pada Matakuliah Praktikum Mikrontroler		
	2. Pengembangan model penilaian employability skill melalui pembelajaran berbasis proyek untuk meningkatkan inovasi dan kreativitas mahasiswa Teknik Elektro Unesa		
	3. Pengembangan Wireless Body Area Network berbasis Twelite Monowireless sebagai media pembelajaran Komunikasi Data		

	4. Pengembangan modul hidroponik berbasis wireless sensor network dan IoT sebagai media pembelajaran Sistem Komunikasi Nirkabel						
	5. Pengembangan Aplikasi Motion Sensing dengan Wireless Body Area Network berbasis Android Smartwatch (2 years duration)						
	6. Pengembangan modul praktik elektronika digital untuk menunjang perkuliahan mahasiswa D3 Teknik Listrik Jurusan Teknik Elektro Unesa						
<b>PATENTS AND PROPRIETARY RIGHT</b>	<table border="1"> <thead> <tr> <th>Title</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>[HAKI] Android Motion Sensor</td> <td>2019</td> </tr> </tbody> </table>	Title	Year	[HAKI] Android Motion Sensor	2019		
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[HAKI] Android Motion Sensor	2019						
<b>IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS</b>	<ol style="list-style-type: none"> <li>1. A. Widodo, P. Puspitaningayu, L. Anifah and R. Firmansyah, "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.</li> <li>2. Analisis Pola Gerakan Tangan berbasis Jam Tangan Cerdas. Prosiding Semnas PPM 2018, pp. 1664-1671</li> <li>3. The Development of Wireless Body Area Network for Motion Sensing Application. IOP Conference Series: Material Science and Engineering, Vol 336</li> <li>4. The Emerging Wireless Body Area Network on Android Smartphones: A Review. The 2<sup>nd</sup> Annual Applied Science and Engineering Conference, Vol. 288, 2018</li> <li>5. Wireless body area network application for motion detection based on Android Smartwatch, MATEC Web of Conferences 197, 11020</li> <li>6. The development of learning material using learning goal orientation approach in digital electronics, IOP Conf. Series: Materials Science and Engineering, pp. 1-6, 2018</li> <li>7. Wireless Body Area Networks dan Pengaruhnya dalam Perkembangan Teknologi m-Health, INAJEE: Indonesia Journal of Electrical and Electronics Engineering, Vol.1, 2018</li> <li>8. Multi-parameter wireless monitoring and telecommand of a rocket payload: design and implementation, IOP Conference Series: Material Science and Engineering, Vol 336</li> </ol>						
<b>ACTIVITIES IN SPECIALIST BODIES</b>	<table border="1"> <thead> <tr> <th>Organization</th> <th>Position</th> <th>Period</th> </tr> </thead> <tbody> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Organization	Position	Period	-	-	-
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