

# CURRICULUM VITAE

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## A. Personal Identity

1. Full Name (with Titles) : DR. IR. ACHMAD MAULUDIYANTO, MT.
2. Functional Position : Lektor kepala
3. Structural Position : -
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## B. Educational Background

	Undergraduate	Postgraduate	Doctoral
Name of Institution	ITS	ITS	ITS
Field of Study	Electrical Engineering	Electrical Engineering	Electrical Engineering
Year of Enrollment - Graduation	1982-1987	1994-2000	2007-2010

## C. Brief Description of Research Relevant to Scientific Development in the Field of Study

The research that is currently pursued is radio propagation specifically in HF, there are several topics that are related to this research, namely HF MIMO NVIS communication system, development of digital radio communication system based on Defined Radio Software. Other research that is currently pursued as well is WBAN (Wireless Body Area Network). Several topics that are related to WBAN are indoor WBAN (Wireless Body Area Network) channel characterization for health application and WBAN (Wireless Body Area Network) channel analysis for the detection of the impact towards humans. For the foreseeable future, there are still and will research on the effect of WBAN towards human's health.

#### D. Research Experience within the Last Five Years

No	Year	Research Title	Source of Funding
1	2020	Analisa Kanal WBAN (Wireless Body Area Network) Untuk Deteksi Pengaruh Pada Manusia (Ketua) ( <i>WBAN Channel Analysis for the Detection of the Effect on Humans (Leader)</i> )	ITS Electrical Engineering Department Funds
2	2019	Pengembangan Sistem Komunikasi Radio Digital Untuk Kanal HF Nvis Berbasis Software Defined Radio (Ketua) ( <i>Development on Digital Radio Communication for Defined Radio Software-based HF NVIS Channel (Leader)</i> )	ITS Local Funds
3	2019	Karakterisasi Kanal Wban (Wireless Body Area Network) Dalam Gedung Untuk Aplikasi Kesehatan (Ketua) ( <i>Indoor WBAN Channel Characterization for Health Application (Leader)</i> )	ITS Electrical Engineering Department Funds
4	2017	Sistem Komunikasi HF MIMO NVIS Untuk Komunikasi Darurat (Ketua) ( <i>HF MIMO NVIS Communication System for Emergency Communication (Leader)</i> )	ITS Local Funds
5	2016	Perencanaan Lokasi Potensial Menara Telekomunikasi Seluler Bersama di Kabupaten Bangkalan Menggunakan Sistem Informasi Geografis (Ketua) ( <i>Joint Cellular Telecommunication Tower Potential Location Planning in Bangkalan District Using Geographic Information System (Leader)</i> )	ITS Local Funds

#### E. Community Service Experience within the Last Five Years

No	Year	Title of Community Service
1	2020	Penyegaran dan Peningkatan Kapasitas Dosen dan Lulusan Sarjana Telekomunikasi yang Berkarir di Bidang Pendidikan dan Industri di Indonesia Timur dengan Metode Daring Sinkron dan Asinkron (Mandiri) ( <i>Refreshment and Enhancement of Lecturers and Graduates of Telecommunication who Works in the Field of Education and Industry in East Indonesia with Synchronous and Asynchronous (Independent) Methods</i> )
2	2019	Sebagai Nara Sumber : Seminar Nasional Inovasi Teknologi Penerbangan 2019 dengan tema “Menuju Sistem Transportasi Udara Cerdas yang Bersinergi dengan Revolusi Industri 4.0” ( <i>As Interviewee: National Seminar on the 2019 Innovation of Aviation Technology with the Theme “Towards an Synergized Intelligent Air Transportation System with 4<sup>th</sup> Industrial Revolution”</i> )
3	2018	SK Abdimas Berbasis Penelitian ITS Tahun 2018 : Pendeteksian Tingkat Kehilangan Air pad Pelayanan Pelanggan PDAM Madiun ( <i>Community Service for ITS Research Year 2018: Detection of Water Level Loss on Madiun Clean Water Distribution Service</i> )

4	2017	Sebagai Nara Sumber dalam kegiatan Analisis Efisiensi Industri Telekomunikasi dan Implikasi Aspek Bisnis dalam Regulasi. ( <i>As an Interviewee in the Analysis of the Efficiency of Telecommunications Industry and its Implications in Business within the Regulation</i> )
5	2016	Kajian Sistem Teknologi IT Dalam Rangka Integrasi Angkutan Masal Cepat Trunk Dan Feeder AMC Surabaya ( <i>Study of IT Technology Systems in the Context of Integrating Mass Transport for Fast Trunk and Feeder AMC Surabaya</i> )

#### F. Experience Writing in the Journal of Scientific Articles Within the Last Five Years

No	Scientific Article Title	Vol/No/Year	Title of Journal
1	Planning of Number and Location of New Base Transceiver Station Tower in Mobile Telecommunication System in Jombang using Analytical Hierarchy Process Method and Geographic Information System Approach	3/2/2019	JAREE (Journal on Advanced Research in Electrical Engineering)
2	Capacity of 2x2 MIMO HF NVIS Channels With Linearly Polarized Horizontal Antennas	8/4/2019	IEEE WIRELESS COMMUNICATIONS LETTERS
3	The Use of Free Space Measurement Method to Identify Dielectric Constant of Rice Husks	7/3.5/2018	International Journal of Engineering & Technology (IJET)

#### G. Experience on Oral Delivery of Paper on a Conference/Seminar within the Last Five Years

No	Name of Conference	Scientific Article Title	Time and Place
1	2020 International Conference on Smart Technology and Applications (ICoSTA)	An HF Digital Communication System Based on Software-Defined Radio	February 2010, Universitas Bhayangkara dan IEEE Indonesia Section
2	ISSS 2019	Radio Propagation Channel Modelling for HF Skywave Communications	September 2019/LAPAN Bandung
3	2nd International Conference on Applied Science, Engineering, and Social Sciences 2019 (ICASESS)	Data Panel Modeling with Fixed Effect Model (FEM) Approach to Analyze the Influencing Factors of DHF in Pasuruan Regency	Augustus 2019, Janabadra University Yogyakarta
4	The 1st International Conference On Engineering And Applied Science	Measurement of Wideband Indoor Radio Propagation Channel Using USRP	Augustus 2019, Faculty of Engineering Universitas PGRI Madiun

	(ICEAS)		
5	2019 International Seminar on Intelligent Technology and Its Applications (ISITIA)	Capacity Improvement Factor of HF Multi-Mode Skywave MIMO Channels	Augustus 2019, Department of Electrical Engineering, Institut Teknologi Sepuluh Nopember Surabaya

**H. Experience on Book-Writing within the Last Five Years (Modul in soft form – My classroom)**

No	Book Title	Year	No. of Pages	Publisher
1				
2				

**I. Experience on Training Program**

No	Name of Training Program	Time and Place	Organizer
1			
2			

**J. P Acquisition of Intellectual Property Rights within the Last Five to Ten Years**

No	Title/Theme of Intellectual Property Rights	Year	Type	Registration Number
1				
2				


**K. Experience in Formulating Other Public Policy/Social Engineering within the Last Five Years**

No	Title/Theme/Type of Already Implemented Social Engineering	Year	Place of Implementation	Public Response
1				
2				

**L. Awards within the Last Ten Years (from the Government, Associations, or other Institutions)**

No	Type of Awards	Awarding Institution	Year
1			
2			

All of the filled data dan written in the personal identity are true and can be accounted legally. If in the future, a discrepancy occurs, I will accept the risk.

Surabaya, 10 September 2020



DR. IR. ACHMAD MAULUDIYANTO, MT