

CURRICULUM VITAE

A. Personal Identity

1. Full Name (with Titles) : Sri Rahayu, S.T., M.Kom.
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3. Structural Position : -
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B. Educational Background

	Bachelor	Master	Doctoral
Name of Institution	Institut Teknologi Sepuluh Nopember (ITS)	Institut Teknologi Sepuluh Nopember (ITS)	
Field of Study	Electrical Engineering	Informatics Engineering	
Year of Enrollment - Graduation	1991-1994	2005-2011	

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

Penelitian-penelitian yang dilakukan umumnya terkait dengan keanggotaan laboratorium dan bidang keilmuan yang dimiliki, yaitu seputar topik-topik:

- Permasalahan jaringan telekomunikasi, jaringan komputer (medium transmisi data) dan jaringan internet (TCP/IP).
- Aplikasi yang terkait dengan *Cloud Computing* dan *Internet of Things* (IoT).
- Permasalahan yang terkait dengan keamanan transmisi data (kriptografi).
- Aplikasi Pemrosesan Sinyal Multimedia dan *Artificial Intelligent* (AI).

The studies carried out are generally related to the membership of the laboratory and the scientific fields they have, namely around topics of:

- *Telecommunication network, computer network (data transmission medium) and internet network (TCP/IP) problems*
- *Applications related to cloud computing and internet of things (IoT)*
- *Problems related to data transmission security (Cryptography)*
- *Application of multimedia signals and artificial intelligence (AI) processing*

D. Research Experience within the Last Five Year

No	Year	Research Title	Source of Funding
1	2020	IMPLEMENTASI INTERNET OF THINGS (IoT) UNTUK SISTEM PENGAWASAN & PENGENDALIAN PADA KONSEP RUMAH CERDAS (<i>Implementations of Internet of Things (IoT) for Monitoring Systems & Controls on the Concept of Smart House</i>)	Department Funds
2	2020	Desain Elemen Tunggal Menggunakan Teknik Multiresonator Untuk Kebutuhan Antena Massive MIMO 5G (<i>Single Element Design using Multi-resonator Technique for the Massive MIMO 5G Antenna Needs</i>)	Department Funds
3	2019	PENINGKATAN JAMINAN PRIVASI DAN KEANDALAN DALAM PROSES TRANSMISI PAKET PADA JARINGAN SENSOR NIRKABEL (<i>Privacy and Reliability Assurance in Package Transmission Process on Wireless Sensors Network</i>)	Department Funds
4	2018	Optimasi Pemanfaatan Tower Wireless Untuk Backbone Hybrid Layanan E-Government (<i>Optimization of Wireless Tower Utilization for Hybrid Backbone of E-Government Service</i>)	ITS Funds (Beginner Research)
5	2017	Perancangan Sistem Pakar Untuk Mendeteksi Kelainan Tanaman Padi	Department Funds
6	2017	Perencanaan Arrayed Waveguide Grating (AWG) 16 Kanal Untuk Sistem Transmisi Dense Wavelength Division Multiplexing (DWDM) (<i>16 Channels Arrayed Waveguide Grating (AWG) Planning for Dense Wavelength Division Multiplexing (DWDM) Transmission System</i>)	Self-funded
7	2017	KNOWLEDGE CREATION PADA SISTEM INTELLIGENCE CRIMINALITY UNTUK BANTUAN KEGIATAN PENYIDIKAN (<i>Knowledge Creation on Intelligence Criminality System to Assist Investigation Activities</i>)	Department Funds

E. Community Service Experience within the Last Five Years

No	Year	Title of Community Service
1	2020	Penyegaran dan Peningkatan Kapasitas Dosen Lulusan Sarjana Telekomunikasi yang Berkarir di Bidang Pendidikan dan Industri di Indonesia Timur dengan Metode Daring Sinkron & Asinkron (Abmas MANDIRI) (<i>Refreshing and Capacity Building for Lecturers and Graduates of Telecommunications with Careers in Education and Industry</i>)

		<i>in Eastern Indonesia with Synchronous and Asynchronous Online Methods (Self-funded Community Service))</i>
2	2020	PELATIHAN DASAR PEMROGRAMAN (CODING) PYTHON UNTUK SISWA SMA NEGERI II KOTA PASURUHAN (<i>Training for the Basics of Python Programming for SMA Negeri 2 Pasuruhan City</i>)
3	2020	Penerapan penggunaan prototipe alat sterilisasi virus COVID-19 untuk ruangan dengan menggunakan kontrol android untuk RSI 2 Jemursari, Surabaya (Abmas Dana Departemen) (<i>Implementation of COVID-19 Virus Sterilizer Prototype Use for Android-controlled Rooms for RSI 2 Jemursari, Surabaya (Department-funded Community Service)</i>)
4	2019	PEMBUATAN PROTOTIPE SISTEM PENERING GABAH EKONOMIS (<i>Creation of Economic Grain Dryer Prototype System</i>)
5	2018	Pemanfaatan Sistem Komunikasi dan VMS (Vessel Monitoring System) dengan Dukungan Sel Surya Untuk Kapal Nelayan di Atas 30 GT Bagi Nelayan KUD Mina Rahayu Kecamatan Kragan, Rembang (<i>Utilizations of Communication System and VMS (Vessel Monitoring System) with the Support of Solar Panel for Fishing Boats Above 30 GT for the Fishermen of Mina Rahayu Village Cooperatives Kragan Sub-district, Rembang</i>)
6	2018	Pendeteksian Tingkat Kehilangan Air Pada Pelayanan Pelanggan PDAM Madiun (<i>Water Loss Level Detection on PDAM Medium Customer Service</i>)
7	2017	Pengabdian dalam kegiatan: “Elektro Peduli Desa ELEKTRODA Desa Karang Jati Pasuruan Jawa Timur” (<i>Partaker in the event: “Electro Care for ELEKTRODA, Karangjati Village, Pasuruan, East Java”</i>)
8	2017	Pengabdian dalam kegiatan: “Membangun Potensi Teknologi Elektronika” (<i>Partaker in the event: „Building Electronics Engineering Potency“</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	The Influence of Footwear with Different Sole on the EMG Activity of Lower Limb Muscle During Walking	978-1-7281-7413-6/2020	Proceeding of 2020 International Seminar on Intelligent Technology and Its Application
2	Planning of Arrayed Waveguide Grating (AWG) for 16x16 Channels Transmission System of Dense Wavelength Division Multiplexing (DWDM)	Vol. 02/ No. 01/April 2018	JAREE
3	Expert System for Diagnosis Pests and Diseases of The Rice Plant Using Forward Chinning and Certainty Factor Method	978-1-5383-2/2017	Proceeding of 2017 International Seminar on Intelligent Technology and Its Application

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
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1			
2			
3			

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				
3				

I. Experience on Training Program

No	Name of Training Program	Time and Place	Organizer
1	Pelatihan Konselor (Dosen) NonPsi: Menejemen STRESS (<i>Counselor Training (Lecturer) Non-Psychologist: Stress Management</i>)	18 July 2020, Online (via Zoom)	Medical Centre (MEDCEN) - ITS
2	Training of Trainers (ToT) Calon Instruktur <i>CLOUD COMPUTING Fresh Graduate Academy Digital Talent Scholarship 2020 (Training of Trainers (ToT) for the Candidates of Cloud Computing Instructors Fresh Graduate Academy Digital Talent Scholarship 2020)</i>	13-14, 18-19 & 24 August 2020 (via Amazon Chime)	Profession Development & Certifications Centre - Ministry of Communication and Information Technology (KOMINFO)
3	Training of Trainers (ToT) Calon Instruktur <i>DATA SCIENCE Fresh Graduate Academy Digital Talent Scholarship 2020 (Training of Trainers (ToT) for the Candidates of Data Science Instructors Fresh Graduate Academy Digital Talent Scholarship 2020)</i>	31 August to 2 September 2020 and 11-12 September 2020 (via Cisco Webex Meetings)	Profession Development & Certifications Centre - Ministry of Communication and Information Technology (KOMINFO)
4	DPTSI-Training: Classroom via Ms. Teams	18 September 2020, Online (via Zoom)	DPTSI - ITS
5	Perlindungan Hak Cipta terhadap Karya Penelitian dan/atau Pengembangan (<i>Copyright Protection for Research and / or Development Works</i>)	Thursday, 3 September 2020 (via Zoom)	Faculty of Intelligent Electrical & Informatics Technology - ITS
6	Workshop Penulisan Buku Diterbitkan (<i>Published Book Writing Workshop</i>)	20 Mei 2020, Online (via Zoom)	Collaboration between ITS's faculty of intelligent electrical & informatics technology,

			publisher Andi Offset, and ITS Library
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J. 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

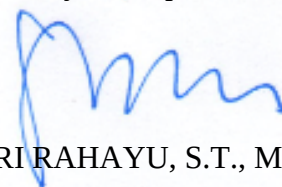
No	Title/Theme/Type of Already Implemented Social Engineering	Year	Place of Implementation	Public Response
1				
2				

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, 9 September 2020



SRI RAHAYU, S.T., M.KOM.