

CURRICULUM VITAE

A. Personal Identity

1. Full Name (with Titles) : Dr. Ir. Achmad Affandi, DEA
2. Functional Position : Lecturer
3. Structural Position : -
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B. Educational Background

	Undergraduate	Postgraduate	Doctoral
Name of Institution	Institut Teknologi Sepuluh Nopember (ITS) - Surabaya	Institut National des Sciences Appliquées (INSA) de Rennes, France	Institut National des Sciences Appliquées (INSA) de Rennes, France
Field of Study	Telecommunications Engineering	Diplome d'Etudes Approfondies (DEA)	Broadband mobile communication
Year of Enrollment - Graduation	1984 – 1989	1995 - 1996	1996 - 2000

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

D. Research Experience within the Last Five Years

No	Year	Research Title	Source of Funding
1	2018-2019	Perancangan Sistem Pengelolaan dan Pemantauan Armada dan Tiket pada Sistem Transportasi Kota Cerdas (<i>Design of Fleet and Ticket Management and Monitoring Systems in Smart City Transportation Systems</i>)	Higher Education Elementary Research (PDUPT) – Ministry of Research and Technology-Higher Education (Kemenristekdikti)
2	2019	Pengembangan Platform Layanan Sains Data dan Berbagi Sumber Daya Penelitian di Indonesia Melalui Jaringan Pendidikan dan Riset Indonesia (<i>Development of Data Science and Several Source of Research in Indonesia Service Platform through the Network of Indonesia's Education and Researches</i>)	Indonesia's Collaborative Research Program - Institute of Research and Community Service ITS (PPKI-LPPM ITS)
3	2016	ANALISIS UNJUK KERJA FRAMEWORK JARINGAN MULTI PROTOCOL LABEL SWITCHING (MPLS) DENGAN MANAJEMEN BANDWIDTH (<i>Performance Analysis of Multi Protocol Label Switching (MPLS) Network Framework with Bandwidth Management</i>)	Intercollegiate Collaborative Research – General Directorate of Higher Education
4	2015	New INTEGRA : Rancang Ulang Portal e-Layanan ITS yang Terintegrasi dan Berbasis Sistem Autentifikasi Tunggal (<i>New INTEGRA: Redesign of ITS Integrated Online Service Portal Based on Single Sign-on</i>)	ITS
5	2014-2015	Pengembangan Sistem Pemantauan Jaringan Mobile Fast Responsive Action on Network and System (mFRANS) (<i>Development of Mobile Fast Responsive Action on Network and System (mFRANS) Network Monitoring System</i>)	Higher Education's Applied Excellent Research Program - General Directorate of Higher Education (PTUPT-Dikti)
6	2012-2014	Development of Dynamic Synchronization Protocol between Master and Slave LMSs for Electronic and Distance Learning	JICA PREDICT ITS

E. Community Service Experience within the Last Five Years

No	Year	Title of Community Service
1	2019	Penyuluhan Digital Marketing untuk warga Kemayoran di Kelurahan Kemayoran (<i>Digital Marketing Counseling for the locals of Kemayoran in Kemayoran Sub-district</i>)
2	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>Utilization of Communication System and VMS (Vehicle Monitoring System) with the Support of Solar Panel for Fishing Boats Greater than 30 GT for Mina Rahayu Village Cooperatives in Kragan</i>)

		<i>District, Rembang)</i>
3	2014-2017	Pengembangan dan Dukungan Operasional Sistem Pembelajaran Daring (SPADA) Indonesia, Kemristekdikti (<i>Development and Operational Support of Indonesia's Online Learning System, Ministry of Research and Technology-Higher Education</i>)
4	2015-2017	Google ITS Infrastructure Collaboration Agreement
5	2016	Kajian Parkir Zonasi di Kota Surabaya, Dinas Perhubungan Kota Surabaya (<i>Study of Zoning Parking in Surabaya, Department of Transportation of Surabaya</i>)
6	2015	Kajian Sistem dan Teknologi TIK dalam Rangka Integrasi Angkutan Massal Cepat Trunk dan Feeder AMC Surabaya (<i>Study of ICT Systems and Technology in the Context of Integration of the AMC Surabaya Trunk and Feeder Fast Mass Transport</i>)
7	2015	Detail Engineering Design Manajemen Armada Angkutan Masal Cepat Surabaya (<i>Detailed Engineering Design for Fast Mass Transport Fleet Management in 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	Coherence time and doppler spectrum of V2V channel with moving scatterer based on autocorrelation function	Vol. 14/2019	Journal of Communcations
2	Vehicle Brands and Types Detection Using Mask R-CNN	2019	2019 International Seminar on Intelligent Technology and Its Application, ISITIA Surabaya
3	Power spectral density of V2V communication system in the presence of moving scatterers	2019	International Journal of Intelligent Engineering and Systems 2019
4	Design and performance of data communication protocol between traffic management center and on board unit cloud server for supporting Intelligent Transport System services	Vol. 13/2018	ARNP Journal of Engineering and Applied Sciences
5	Combination of fifo-lru cache replacement algorithms on proxy server to improve speed of response to object requests from clients	Vol. 12/No. 23/2017	ARNP Journal of Engineering and Applied Sciences
6	Optimization of Efficient Route and Profitable Fish Aggregating Device Based on Firefly and Genetic Algorithms in Maritime	2017	International Journal on Electrical Engineering and Informatics
7	Breadth fixed gossip: a route discovery mechanism in ad hoc network, International	Vol. 11/2016	Praise Worthy Prize

	Review on Computers and Software		
8	Implementing OLSR and Wireless VoIP as Low-Cost Infrastructure Telephony for Rural Area	Vol. 14/02/2016	Telkomnika (Telecommunication Computing Electronics and Control)
9	Adaptive Combined Scalable Video Coding over MIMO-OFDM Systems using Partial Channel State Information	2013	KSII Transactions on Internet & Information Systems
10	Dynamic content synchronization between learning management systems over limited bandwidth network	2012	Human-Centric Computing and Information Sciences
11	Combined Scalable Video Coding Method for Wireless Transmission	2011	Telkomnika (Telecommunication Computing Electronics and Control)

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	CYBERNETICSCOM 2019 - 2019 IEEE International Conference on Cybernetics and Computational Intelligence: Towards a Smart and Human-Centered Cyber World	Doppler effect mitigation using spectral temporal average estimation on V2V channel with moving scatterer	August 22-24, 2019 – Banda Aceh, Indonesia
2	4th International Conference on Science and Technology	Security System Analysis in Combination Method: RSA Encryption and Digital Signature Algorithm	August 7-8, 2018 – Yogyakarta, Indonesia
3	10th International Conference on Information Technology and Electrical Engineering: Smart Technology for Better Society	Analysis of RTO and RPO of a service stored on Amazon Web Service (AWS) and Google Cloud Engine (GCE)	July 24-26, 2018 – Bali, Indonesia
4	2018 International Seminar on Research of Information Technology and Intelligent Systems	Data communication protocols supporting monitoring service of traffic management center	November 21-22, 2018 – Yogyakarta, Indonesia
5	2018 Electrical Power, Electronics, Communications, Control and Informatics Seminar	Probabilistic Record Matching for Entity Resolution Using Markov Logic Networks	October 19-11, 2018 – Malang, Indonesia

6	2018 International Seminar on Intelligent Technology and Its Application	Raspberry Pi-Based VoIP System for Rural Area	August 30-31, 2018 – Bali, Indonesia
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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. 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, May 2020



DR. IR. ACHMAD AFFANDI, DEA