

CURRICULUM VITAE

A. Personal Identity

1	Full Name (with title)	Eko Agus Supriatno, S.Si., M.T.
2	Functional Position	Assistant Professor
3	Structural Position	-
4	Staff ID Number	214326
5	National Lecturer Identification Number	0713088702
6	Place and Date of Birth	Pasuruan, 13 August 1987
7	Home Address	Melati St., RT 03/RW 02, Tanggul Village, Wonoayu, Krian
8	Phone Number / Fax / HP	-
9	Office Address	Biomedical Engineering Department, ITS Campus, Keputih, Sukolilo, Surabaya, East Java
10	Phone Number / Fax	-

B. Education Background

	Bachelor's	Master's	Doctorate
College Name	Airlangga University	Sepuluh Nopember Institute of Technology Surabaya	-
Field of Study	Physics, Faculty of Science and Technology	Electronics	-
Entry – Graduate Year	2005 – 2009	2010 – 2012	-

C. Short Description about Research Related to Study Program's Development

1. Airlangga University, Surabaya, INA
Bachelor of Physics (2005 – 2009)
Research Concentration : Optical Fiber and Instrumentation.
Studying pure Physics with a concentration on optical physics and instrumentation. the final project in undergraduate studies is related to the fabrication of directional coupler on multimode optical fiber.
2. Sepuluh Nopember Institute of Technology (ITS), Surabaya, INA
Master of Electrical Engineering (2010 – 2012)
Research Concentration: Biomedical Engineering
Thesis : Development of Characteristic Analysis Systems in the Dynamics of Heart Valves Based on Electrocardiographic Signals (ECG), Phonocardiography (PCG), and Carotid Pulse.

D. Research Experiences

No	Year	Research Subject	Funding Source
1	2009	Fabrikasi Directional Coupler Serat Optik Multimode Zero Gap Dengan Metode Fused	Personal
2	2008	Pemanfaatan Metode Spektrofotometri Serat Optik Sebagai Pendeteksi Kadar Timbal Dalam Air	Personal
3	2012	Pengembangan Sistem Analisa Karakteristik Dinamika Katup-Katup Jantung Berdasarkan Sinyal Electrocardiography (Ecg), Phonocardiography (Pcg), Dan Carotid Pulse	Personal
4	2014	Rancang Bangun <i>Phonocardiography</i> beserta Analisa Sinyalnya Secara Realtime untuk Mendeteksi Kelainan Jantung Manusia Lebih Dini	Directorate General of Higher Education
5	2014	Penerapan Programmable Logic Controller Remote Telemetry Control Unit (Plc Rtcu) D4 Untuk Sistem Pencegah Kebakaran Rumah Berbasis SMS	Directorate General of Higher Education
6	2015	Pengembangan Instrumentasi <i>Phonocardiography</i> Secara Wireless dalam Mendeteksi Lebih Dini Kelainan Jantung Manusia	Directorate General of Higher Education
7	2018	A comparative Study : Birth Massage and Heat Therapy For Pain Relief and Uterus Contraction Measurement During First Stage of Labour	UMSIDA

E. Social Service Experiences

No	Year	Social Dedication Subject
1	2015	IbM for Kelepon Cake Selling Group in Panderejo Village, Gempol Subdistrict, Pasuruan Regency to Increase Kelepon Quality, Consumer Purchase Ability and Reduce Production Costs
2	2015	Development of handicrafts for children in the village of Jiken Tulanangan, Sidoarjo to realize the support capacity of Sidoarjo as a city of Indonesian SMEs
3	2017	IbM Kelepon Cake Group in Panderejo Pasuruan Kelompok Kue Kelepon di Desa Panderejo Pasuruan
4	2018	Training Center for Human Resources (HR) Skills and Production of Appropriate Modern Machine (Skim PPUPIK)
5	2018	Independent Village Development Program in Panderejo Village Legok Mandiri Digital Technopreneur (Skim PPDM)

F. Scientific Article Writing Experiences in Journals

No	Scientific Article Subject	Vol/No/Year	Journal Name
1	Eko Agus S, Izza Anshory. “Usaha Peningkatkan Daya Beli Konsumen dan Memperkecil Biaya Produksi Kelompok Penjual Kue Kelepon di Desa Panderejo-Gempol Kabupaten Pasuruan”	19/02/2015	Jurnal INOTEK Lembaga Penelitian dan Pengabdian pada Masyarakat Universitas Negeri Yogyakarta. Volume 19. Number 2, August 2015.
2	Eko Agus S, Wiwik Sumarmi “Pengembangan Kerajinan Maianan Anak Desa Jiken Tulanangan Kab.Sidoarjo dalam meningkatkan Kapasitas Produksi”	20/01/2016	Jurnal INOTEK Lembaga Penelitian dan Pengabdian pada Masyarakat Universitas Negeri Yogyakarta. ISSN : 1411-3554 Volume 20. Number 1, February 2016.
3	Metatia Intan Mauliana, Eko Agus S. “Feasibility Test on the Groundwater Content Using XRF in Mud-Lapindo Affected Areas in Porong District”	21/02/2017	Jurnal INOTEK Lembaga Penelitian dan Pengabdian pada Masyarakat Universitas Negeri Yogyakarta. ISSN : 1411-3554 Volume 21. Number 2, August 2017
	Utilization of Phonocardiography Instrumentation in Detecting the Heart Condition of Patients in Hospitals Wirelessly	2017	Sains and Informatika Journal – Tanah Laut Polytechnic
4	Jamaaluddin, Izza Anshory, Eko Agus Suprayitno. “Penentuan Kedalaman Elektroda pada Tanah Pasir dan Kerikil Kering Untuk Memperoleh Nilai Tahanan	01/01/2015	Jurnal Ilmiah Ilmu – Ilmu Teknik Elektro dan Rekayasa (JTE-U). ISSN : 2460-9250,

	Pentanahan yang Baik”		Volume 1, No.1 2015
5	Eko Agus Suprayitno, Dodik Kurniawan. ”Design and Development of Lung Voice Detection Tool to Analyze Lung Disorders, based on Android”	02/02/2017	Jurnal ELINVO (Electronics, Informatics, and Vocational Education) ISSN 2477-2399 (online), ISSN 2580-6424 (print), Vol 2, No 2 (2017)
6	Eko Agus Suprayitno, Agus Hayatal Falah, Mustafi Jurokhman, Aris Noviant Putra, Izza Anshory, Indah Sulistyowati. “Pemanfaatan Instrumentasi Phonocardiography Dalam Mendeteksi Kondisi Jantung Pasien Di Rumah Sakit Secara Wireless”	01/02/2015	Jurnal Sains dan Informatika, Jurusan Teknik Informatika Politeknik Negeri Tanah Laut, p-ISSN 2460-173X, e-ISSN 2598-5841, Vol 1 No 2 (2015): Jurnal Sains dan Informatika
7	Sugik Rizky Hikmawan, Eko Agus Suprayitno “Design and Development of Lighting for Street Lighting using Solar Panels, Based on Android Applications in its controls and monitors”	03/01/2018	Jurnal ELINVO (Electronics, Informatics, and Vocational Education) ISSN 2477-2399 (online), ISSN 2580-6424 (print), Vol 3, No 1 (2018)
8	Tri Hamdani Agung Cahyono, Eko Agus Suprayitno ” Design and Development of Body Weight, Height and Body Temperature Measuring Devices at Posyandu, Based on Android”	03/01/2018	Jurnal ELINVO (Electronics, Informatics, and Vocational Education) ISSN 2477-2399 (online), ISSN 2580-6424 (print), Vol 3, No 1 (2018)
9	Rohman dijaya, Eko agus s “Digital pamphlet of Domestic Tourism based on Augmented Reality: The Promotion of Sidoarjo Urban Tourism Site”	2018	International Journal of Engineering & Technology. ISSN : 440-442 DOI : 10.14419/ijet.v7i4.28.22618 Page : 4 Publish Date : 30/11/2018
10	Rohman dijaya, Eko agus s “Virtual Reality Markerless Based on 3D for the Representation of Heart and Circulatory System”	2018	Halaman : 1721-1725, ISSN : 1943-023X Publish Date : 04/09/2018 Journal of Advanced Research in Dynamical and Control Systems
11	Eko Agus Suprayitno, Akhmad Setiawan, Rohman Dijaya.	2019	International Journal of Engineering & Technology Halaman: 3 Publish Date : 02/01/2019 DOI: DOI: 10.14419/ijet.v7i4.15.25252

	“Design of Instrumentation in Detecting Blood Sugar Levels with Non-Invasive Technique Base on IoT (Internet of Things)”		ISSN : 440-442
12	Yusrifal K, Eko Agus Suprayitno, Jamaaluddin, Izza Anshory. Implementation of Non-Invasive Measurement of Blood Pressure, Heart Rate and Oxygen Saturation Monitoring System based on Internet of Things		Bulletin of Electrical Engineering and Informatics (BEEI) ISSN: 2089-3191, e-ISSN: 2302-9285 Shinta 1, Scopus Q2

G. Oral Scientific Article Publication on Summit / Seminar Experiences

No	Summit Name	Scientific Article Subject	Time and Place
1	Proceeding Seminar Nasional & Call For Paper. The 6th –Electrical Power, Electronics, Communications, Controls, and Informatics Seminar 2012. 30-31 May, Brawijaya University Malang, Indonesia ISBN : 9786028692274.	Eko Agus S, Achmad Arifin “Analisa sinyal <i>electrocardiography</i> dan <i>phonocardiography</i> secara simultan menggunakan <i>continuous wavelet transform</i> ”	30-31 May 2012
2	Third National Seminar on Applied Physics Physics Undergraduate Major, Physics Department, Faculty of Science and Technology Airlangga University ISBN: 978-979-17494-2-8	Eko Agus S, Achmad Arifin. “Sistem Instrumentasi Sinyal Electrocardiography untuk Analisa Dinamika Jantung.”	15 September 2015
3	<i>Proceding The 7th – Electrical Power, Electronics, Communications, Controls, and Informatics Seminar 2014</i> 27-28 August 2014, Brawijaya University, Malang, Indonesia	Eko Agus S, Izza Anshory. “ <i>Sistem Instrumentasi Sinyal Phonocardiography</i> untuk Analisa Dinamika Jantung”	27-28 August 2014

	ISBN 978-602-8692-30-4		
4	Proceeding Seminar Nasional Kanjuruhan University Malang Vol 2 No.1, 14 June 2014, Malang. ISSN : 2088-6179	Izza Anshory, Eko Agus S “Penerapan Programmable Logic Controller Remote Telemetry Control Unit (Plc Rtcu) D4 Untuk Sistem Pencegah Kebakaran Rumah Berbasis Sms”	14 June 2014
5	International Seminar On Intelligent Technology and Its Applications (SITIA). Surabaya, May 20th-21st 2015 Sepuluh Nopember Institute of Technology Surabaya ISBN : 978-1-4799-7709-3. DOI. 10.1109/ISITIA.2015.7219966.	Nada Fitriyatul Hikmah, Achmad Arifin, Tri Arief Sardjono, Eko Agus Suprayitno. “A Signal Processing Framework for Multimodal Cardiac Analysis”	May 20th-21st 2015
6	International Seminar, The ASEAN European Academic University Network (ASEA-UNINET). Enchancing Academic Collaboration Through ASEA-UNINET Scientific Meeting February 15, 2016, Udayana University- Bukit Jimbaran Campus Bali – Indonesia. ISBN 978-602-294-097-5.	Nada Fitriyatul Hikmah, Achmad Arifin, Tri Arief Sardjono, Eko Agus Suprayitno. A SEQUENTIAL HYPOTHESIS TESTING OF MULTIMODAL CARDIAC ANALYSIS	15 February 2016
7	2nd ASIA International Multidisciplinary Conference 2018 (AIMC2018), UTM Johor Bharu Malaysia	Rohman Dijaya, Eko Agus Suprayitno “Digital pamphlet of Domestic Tourism based on Augmented Reality: The Promotion of Sidoarjo Urban Tourism Site”	30 November 2018
8	AASEC 2019 The 4th Annual Applied Science and Engineering Conference Aston Hotel Denpasar Bali, 24 April 2019	Eko Agus Suprayitno, Mochammad Rizal Marlianto, Metatia Intan Mauliana. “Measuring Instrument Oxygen Saturation In Blood, Heart Rate, and Human Body Temperature Based Smartphone Android”	24 April 2019
9	1st International Conference Earth Science And Energy.	Eko Agus Suprayitno, Izza Anshory, Jamaaluddin.	7-8 November 2019

	At SocietyM, CitizenM Hotel, Bukit Bintang, Malaysia, on November 7-8, 2019	“ Smart Home Integrated With Internet Of Things (Iot) In The Digital Era Of Industry 4.0”	
--	---	---	--

H. Book Writing Experiences (Soft format module - My classroom)

No	Book Subject	Year	Publisher
1	Buku ajar perancangan berbasis komputer dengan integrasi arduino dan android	2018	UMSIDA PRESS
2	Buku ajar instrumentasi medis dan aplikasinya	2019	UMSIDA PRESS
3	Buku Pengabdian Pada Masyarakat: Mandiri dan Unggul Bersama Sidokepong	2019	UMSIDA PRESS
4	Buku Pengabdian Pada Masyarakat: Mengungkap Potensi Desa Pagerwojo	2019	UMSIDA PRESS
5	Buku Pengabdian Pada Masyarakat: Kami di Antara Sukorejo	2019	UMSIDA PRESS
6	Buku Pengabdian Pada Masyarakat: Sejuta Potensi dan Inspirasi di Desa Entalsewu	2019	UMSIDA PRESS

I. Training Experiences

No	Training Subject	Date and Place	Organizer
1	Basic Instructional Technique Skills Improvement Training	16 – 20 December 2013	Ministry of Education and Culture Coordination of Region VII Private Universities in East Java
2	Applied Approach (AA) Training	9 – 13 February 2015	Ministry of Education and Culture Coordination of Region VII Private Universities in East Java
3	Research Results Utilization Training, PPM, and Potentially Patented Student Creativities	24 – 26 May 2016, Garden Palace Hotel Surabaya	Ministry of Research, Technology, and Higher Education Directorate of Intellectual Property Management,

			Directorate General of Research Strengthening and Development
4	Introduction to Mitsubishi CNC Function Training	23 – 24 March 2011, Surabaya Institute of Technology	Mitsubishi Electric Asia Pte Ltd
5	KKNI-Based Curriculum Workshop	11 – 12 May 2015, Muhammadiyah University Sidoarjo	Muhammadiyah University Sidoarjo
6	Competency Assessors for Professional Certification Institutions Training	2019	Muhammadiyah University Sidoarjo collaborating with National Body of Profession Certification
7	Competency Certification on Assessment Field / Competency Evaluation	2019, Muhammadiyah University Sidoarjo	Muhammadiyah University Sidoarjo collaborating with National Body of Profession Certification Center Jakarta

J. Acquisition of Intellectual Property Rights (IPR)

No.	IPR Subject/Topic	Year	Type	P/ID Number
1	Programming of Android Application with MIT App Inventor (www.ai2.appinventor.mit.edu) on Smart Home Prototype by Utilizing HC 05 Bluetooth Media on its Serial Data Communication	2018	Computer Program	000100002
2	Programming of Arduino IDE and MIT App Inventor on the Detection of Oxygen Saturation in Blood, Heart Rate and Human Body Temperature Device based on Android Smartphones	2018	Computer Program	000102303
3	Information System for Self Service Population Services with Laravel in Legok Gempol Village, Pasuruan	2018	Computer Program	000112705
4	Computer-Based Design with Arduino and Android Integration Book	2018	Text Book	000115002
5	Blood Pressure, Blood Oxygen Saturation And Heart Rate Measuring Device Based On Android Smartphone	2019	Computer Program	000144499
6	IPR on “Mandiri dan Unggul Bersama Sidokepong” Book	2019	Social Service Book	000162715
7	IPR on “Mengungkap Potensi Desa Pagerwojo”	2019	Social Service Book	000162716

	Pagerwejo Service Book			
8	IPR on KAMI DI ANTARA SUKOREJO book	2019	Social Service Book	000160222
9	IPR on Community Service in Entalsewu Village in 2019 Book "SEJUTA POTENSI DAN INSPIRASI DI DESA ENTALSEWU"	2019	Social Service Book	000165388

K. Awards (From Government, association or other institutions)

No.	Award Type	Awarding Institution	Year
1	Adviser 1 Team PKM KC Ministry of Research and Technology Funded in 2015 : Pembuatan Instrumentasi Phonocardiography Dalam Mendeteksi Kondisi Jantung Secara Wireless	PKM DIKTI	2015
2	Adviser 1 Team Pekan Ilmiah Mahasiswa Nasional (PIMNAS) PKM KC Category Ministry of Research and Technology Funded in 2015 held in Halu Oleo University Kendari North Sumatera	PKM DIKTI	2015
3	Adviser 1 Team PKM KC Ministry of Research and Technology Funded in 2016 : Instrumentasi Phonocardiography Berbasis Android Untuk Menentukan Kondisi dan Kelainan Jantung Pasien	PKM DIKTI	2016
4	Adviser 1 Team PKM KC Ministry of Research and Technology Funded in 2016 : Rancang Bangun Instrumentasi Electromyogram (EMG) Dalam Mendeteksi Sinyal Otot Lengan Untuk Menggerakkan Lengan Robot Buatan Dalam Membantu Pasien Yang Amputie	PKM DIKTI	2016
5	Adviser 1 Team PKM KC Ministry of Research and Technology Funded in 2017 : Rancang Bangun Alat Deteksi Suara Paru-paru Untuk Menganalisa Kelainan Paru-paru berbasis Android	PKM DIKTI	2017
6	National Reviewer of Ministry of Research and Technology Funded 5 Fields PKM in 2018 with the Number of Letter of Assignment from Ministry of Research and Technology: 94/B3.1/KM/2018	RISTEKDIKTI	2018
7	National Reviewer Ministry of Research and Technology PKM AI and GT Funded in 2018 with the Number of Letter of Assignment from Ministry of Research and Technology : 1729/B3.1/KM/2018	RISTEKDIKTI	2018
8	Supervisor of Kontes Robot Indonesia (KRI) Legged Indonesian Fire Fighter Contest Division Certificate Number : 1039/E5.3/KPM/2015	RISTEKDIKTI	2015
9	Supervisor of Kontes Robot Indonesia (KRI) Legged	RISTEKDIKTI	2016

	<p>Indonesian Fire Fighter Contest Division Divisi Kontes Robot Pemadam Api Indonesia Berkaki (KRPAI BERKAKI). Certificate Number : 750/B3.1/KM/2016</p>		
10	<p>Competency Certification in the Field of Assessment / Competency Test, with the title of Competency Assessors, Place for Execution of Competency Examinations of Muhammadiyah University of Sidoarjo in Collaboration with BNSP Jakarta Center.</p>	<p>BNSP (NATIONAL PROFESSIONAL CERTIFICATION AGENCY)</p>	2019

All the data I filled and listed in this biodata is true and can be accounted by law. If later found inconsistency with the reality, I am willing to accept the risk.

Surabaya, 17 August 2020



(Eko Agus Suprayitno, S.Si, MT)