

CURRICULUM VITAE

A. Personal Identity

1	Full Name (with title)	Dr. Tri Arief Sardjono ST.,MT
2	Functional Position	Associate Professor
3	Structural Position	-
4	Staff ID Number	197002121995121001
5	National Lecturer Identification Number	0012027005
6	Place and Date of Birth	Surabaya, February 12 1970
7	Home Address	Kalijudan Taruna II/21
8	Phone Number / Fax / HP	
9	Office Address	Biomedical Engineering Department, ITS Campus, Keputih, Sukolilo, Surabaya, East Java
10	Email	sardjono@bme.its.ac.id; ; sardjonotriarief@gmail.com

B. Education Background

	Bachelor's	Master's	Doctorate
College Name	ITS	ITB	University of Groningen
Field of Study	Electrical Engineering - Electronics	Electrical Engineering – Biomedical Engineering	Biomedical Engineering
Entry – Graduate Year	1989 - 1994	1996 – 1999	2003 - 2007

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

1. Bachelor's Degree Research Topic

Acquisition Data System Design for Patient Diagnosis
Adviser : Ir. Moch Heroe

2. Master's Degree Thesis

Design and Realization of PC-Based System for PUSKESMAS : Toddler Nutrition Level Evaluation Module, Monitoring of Pregnant Women and SP2TP (Integrated Puskesmas Recording and Reporting System)
Adviser : Prof. Dr. Ir. Soegijardjo Soegijoko

3. Doctorate Degree Disertation

X-Ray Image Analysis for Scoliotic Patients
Adviser : Prof. Dr. G.J. Verkerke

D. Research Experiences

No	Year	Research Subject	Funding Source
1	2016	Catheter Movement Monitoring System: Development of a Catheter Tracking Device Image-based Tips Using 3D Ultrasound System (Year 3)	
2	2015	Catheter Movement Monitoring System: Development of a Catheter Tracking Device Image-based Tips Using 3D Ultrasound System (Year 2)	
4	2015	Development of 3 ITS Braille Machine Protoypes for SLB Ambon, Pangkal Pinang and Jayapura	
5	2014	Catheter Movement Monitoring System: Development of a Catheter Tracking Device Image-based Tips Using 3D Ultrasound System (Year 1)	
6	2012	Design of Voice Command-Based Electric Wheelchairs for People with Orthopedic Disabilities	
7	2011	Electronic Voice Producing Element Using DSP TMS320C6713 for Larynx Disability Sufferers	

E. Social Service Experiences

No	Year	Social Dedication Subject
1	2016	Revitalization of Braillo Machine 200/400
2	2015	Dissemination & Training of ITS Braille Machines in Ambon, Pangkalpinang, Jayapura
3	2014	ITS Braille Machine Prototype Development
4	2013	Study and Development of Braillo 400
5	2012	Revitalization of Braillo Printer 200

F. Scientific Article Writing Experiences in Journals

No	Scientific Article Subject	Vol/No/Year	Journal Name
1	Dikairono, Rudy; Sardjono, Tri Arief; Yulianto, Lucas; "SISTEM NAVIGASI DAN PENGHINDAR RINTANGAN PADA MOBILE ROBOT MENGGUNAKAN GPS DAN PENGUKUR JARAK ULTRASONIK"	Vol.11/No.1/2016	JAVA Journal of Electrical and Electronics Engineering
2	Subur, Joko; Sardjono, Tri Arief; Mardiyanto, Ronny; "Braille Character Recognition Using Artificial Neural Network"	Vol.2/No.1/2016	IPTEK Journal of Proceedings Series
3	Kurniaji, Paskalis; Kurniaji, Paskalis; Pirngadi, Harris; Sardjono, Tri Arief; "Perancangan dan Simulasi Ultrasonik Doppler Gelombang Kontinyu 4MHz Berbasis Mikrokontroler ATmega16"	Vol.2/No.1/2013	Jurnal Teknik ITS, pp. A42-A45
4	Sardjono, Tri Arief; Wilkinson, Michael H. F.; Veldhuizen, Albert G.; van Ooijen, Peter M. A.; Purnama, Ketut E.; Verkerke, Gijbertus J.; "Automatic Cobb angle determination from radiographic images."	Vol.38/No.20/2013	Spine, Vol. 38, No. 20, pp. E1256-62, LWW
5	Herjuno, Dimas; Rivai, Muhammad; Sardjono, Tri Arief; Herjuno, Dimas; Rivai, Muhammad; "Teledeteksi Gas pada Mobile Robot yang dikendalikan Gelombang Radio"	Vol.1/No.1/2012	Jurnal Teknik ITS, pp. A160–A163, 2012
6	Tompunu, Alan Novi; Kusumanto, RD D; Sardjono, Tri Arief; "IMPLEMENTASI ALGORITMA LEAST MEAN SQUARE UNTUK PENINGKATAN KUALITAS SUARA	Vol.2/No.1/2012	Semantik

	PENDERITA TUNA LARING BERBASIS PROCESSOR TMS320C6713”		
7	Dikairono, Rudy; Sardjono, Tri Arief; Purwanto, Djoko;, “Pengembangan Perencanaan Gerak Robot Kartesian Berbasis PLC”	Vol.9/No.1/2011	JAVA Journal of Electrical and Electronics Engineering, pp. 23-28, 2011
8	Sardjono, Tri Arief; Purwanto, Djoko; Ibadillah, Achmad Fiqhi;, “Sistem Penjejakan Obyek Dengan Stereo Vision”	Vol.9/No.1/2011	JAVA Journal of Electrical and Electronics Engineering
9	Arifin, Fatchul; Sardjono, Tri Arief; Purnomo, Mauridhy Hery;, “Electrolarynx Voice Recognition Utilizing Pulse Coupled Neural Network”	Vol.21/No.3/2010	IPTEK The Journal for Technology and Science
10	Purnama, Ketut E.; Wilkinson, Michael. H. F.; Veldhuizen, Albert G.; Van Ooijen, Peter. M. A.; Lubbers, Jaap; Burgerhof, Johannes G.M. M; Sardjono, Tri A.; Verkerke, Gijbertus J.;, “A framework for human spine imaging using a freehand 3D ultrasound system”	Vol.18/No.1/2010	Technology and Health Care, pp. 1-17, IOS Press, 2010
11	Purnama, Ketut E; Wilkinson, Michael H F; Veldhuizen, Albert G; van Ooijen, Peter; Lubbers, Jaap; Sardjono, Tri A; Verkerke, Gijbertus J; “Ultrasound imaging for human spine: imaging and analysis”	Vol.2/2007	International Journal of Computer Assisted Radiology and Surgery, pp. S114–S116, SPRINGER HEIDELBERG TIERGARTENSTRASSE 17, D-69121 HEIDELBERG, GERMANY, 2007

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



(Dr. Tri Arief Sardjono ST.,MT)