

CURRICULUM VITAE

A. Personal Identity

1. Full Name (with Titles) : Dr. Ir. Djoko Purwanto, M.Eng.
2. Functional Position : Lecturer
3. Structural Position : Head of the Center for Artificial Intelligence and Health Technology
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B. Educational Background

	Undergraduate	Postgraduate	Doctoral
Name of Institution	ITS	Keio University	Keio University
Field of Study	Electrical Engineering	Electrical Engineering	Electrical Engineering
Year of Enrollment - Graduation	1984-1989	1997-1999	1999-2002

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	2020	Implementasi Sistem Rekognisi Visual Multilevel dan Bertingkat Berbasis Bayesian Framework Pada Robot Cerdas (<i>Implementation of Visual Multilevel and Leveled Recognition System Based on Bayesian Framework on Intelligent Robot</i>)	Ministry of Research and Technology/National Research and Innovation Agency (RistekBRIN)
2	2020	Sistem Pengenalan Wicara Bahasa Indonesia dengan Metoda Deep Learning pada Autonomous Indoor Vehicle (AIV) (<i>Indonesian Speech Recognition System with Deep Learning Method on Autonomous Indoor Vehicle (AIV)</i>)	Ministry of Research and Technology/National Research and Innovation Agency (RistekBRIN)
3	2020	Pengembangan Platform Komputasi Kecerdasan Artificial pada Mobil Otonom ITS (<i>Development of Artificial Intelligence Computation System on ITS Autonomous Car</i>)	ITS
4	2020	Pengembangan Sistem Navigasi Cerdas untuk Mobil Otonom ITS (<i>Development of Intelligent Navigation System for ITS Autonomous Car</i>)	ITS
	2018	Pelacakan Sumber Gas Menggunakan Olfactory Robot Swarm (<i>Gas Source Tracking using Olfactory Robot Swarm</i>)	Ministry of Research and Technology, and Higher Education (KEMENRISTEKDIKTI)
5	2017-2018	Pengembangan Mobile Robot Platform untuk Aplikasi Self-Navigating Autonomous Indoor Vehicle (AIV) (<i>Development of Mobile Robot Platform for Self-Navigating Application of Autonomous Indoor Vehicle (AIV)</i>)	Ministry of Research and Technology, and Higher Education (KEMENRISTEKDIKTI)
6	2016-2018	Gas Analyzer Menggunakan Prinsip Electronic Nose Berbasis Deret Interferometric Reflectance Imaging Sensor dan Neural Network (<i>Gas Analyzer using Electronic Nose Principles Based on Interferometric Reflectance Imaging Sensor and Neural Network</i>)	Ministry of Research and Technology, and Higher Education (KEMENRISTEKDIKTI)
7	2017	Pembuatan Robot Humanoid Sepak Bola Kategori Kid-Size dan Teen-Size yang Memiliki Kecerdasan dalam Bermain Sepak Bola berbasis Sensor Fusion (<i>Creation of Football Humanoid Robot in the Kid-size and Teen-size Categories that Have the Intelligence of Playing Football Based on Sensor Fusion</i>)	ITS
8	2015-2016	Aplikasi Penguncian dan Penjejakan Target Berbasis Informasi Visual untuk Sistem Pengarah Senjata Otomatis (<i>Visual Information-Based Targeting and Targeting Application for Automatic Weapon Guidance Systems</i>)	Ministry of Research and Technology, and Higher Education (KEMENRISTEKDIKTI)

E. Community Service Experience within the Last Five Years

No	Year	Title of Community Service
1	2020	Penjurian Kontes Robot Indonesia 2020 (<i>Judge for 2020 Indonesia's Robot Contest</i>)
2	2019	Penjurian Kontes Robot Indonesia 2019 (<i>Judge for 2019 Indonesia's Robot Contest</i>)
3	2018	Penjurian Kontes Robot Indonesia 2018 (<i>Judge for 2018 Indonesia's Robot Contest</i>)
4	2017	Penjurian Kontes Robot Indonesia 2017 (<i>Judge for 2017 Indonesia's Robot Contest</i>)
5	2016	Penjurian Kontes Robot Indonesia 2016 (<i>Judge for 2016 Indonesia's Robot Contest</i>)
6	2015	Penjurian Kontes Robot Indonesia 2015 (<i>Judge for 2015 Indonesia's Robot Contest</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	Particle filter with integrated multiple features for object detection and tracking	2019	Indonesian Journal of Electrical Engineering and Computer Science
2	Meat freshness identification system using gas sensor array and color sensor in conjunction with neural network pattern recognition	2018	Journal of Theoretical and Applied Information Technology
3	Design of electronic nose system using gas chromatography principle and Surface Acoustic Wave sensor	2018	Telkomnika
4	Wind direction sensor based on thermal anemometer for olfactory mobile robot	2018	Telkomnika
5	Investigation of michelson interferometer for volatile organic compound sensor	2017	Journal of Physics
6	The detection of organic solvent vapor by using polymer coated chemocapacitor sensor	2017	Journal of Physics
7	RGB-D image based landmark identification for corridor coverage navigation	2015	Journal of Theoretical and Applied Information Technology

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	2016 International Seminar on Application of Technology for Information and Communication	Development of auto tracking and target locking on static defence based on machine vision	2016, Semarang

2	2017 International Conference on Electrical Engineering and Computer Science	Vision-based multi-point sensing for corridor navigation of Autonomous Indoor Vehicle	2017, Palembang
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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	Robot Vision: Teknik Membangun Robot Cerdas Masa Depan (Edisi Revisi)	2015		Andi Offset Publisher, Yogyakarta

I. Experience on Training Program

No	Name of Training Program	Time and Place	Organizer
1			
2			
3			

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	VISUAL AXIS CONTROLLING DEVICE, METHOD OF CONTROLLING VISUAL AXIS, AND PROGRAM OF THE SAME	2011	Paten	Japanese Patent No. 5578603

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				
3				

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

No	Type of Awards	Awarding Institution	Year
1	SATYALANCANA KARYA SATYA XX TAHUN (<i>20 Years of Civil Service as Civil Servant</i>)	President of the Republic of Indonesia	2017

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

DR. IR. DJOKO PURWANTO, M.ENG.