ARTICULATE ROBOTIC ARM BASED ARDUINO WITH ANDROID CONTROL FOR ARDUINO MICROCONTROL LEARNING IN ATMI CIKARANG

By

Gabriel Hendri Susanto 1-1501-115

BACHELOR'S DEGREE

in

MECHANICAL ENGINEERING – MECHATRONICS CONCENTRATION FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY



SWISS GERMAN UNIVERSITY EduTown BSD City Tangerang 15339 Indonesia

Revision After the Thesis Defense On [16 February 2017]

STATEMENT BY THE AUTHOR

	I hereby declare that this submission is my own work and knowledge, it contains no material previously published or writte	•
	nor material which to a substantial extent has been accepted for the	-
	degree or diploma at any educational institution, except where d is made in the thesis.	•
	Gabriel Hendri Susanto	
	Student	Date
	Approved by:	
SWI	Edi Sofyan, B.Eng., M.Eng., Ph.D Thesis Advisor	Date
	Ir. Suryo Abadi, M.Sc.	
	Thesis Co-Advisor	Date
	Dr. Ir. Gembong Baskoro, M.Sc.	
	Dean	Date
		Gabriel Hendri Susanto

ABSTRACT

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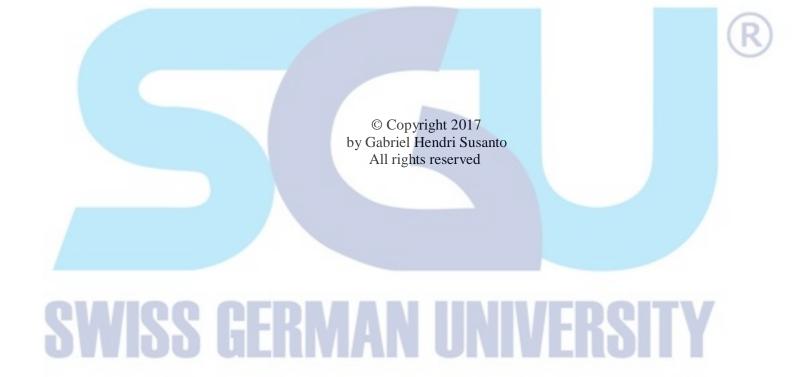
By

Gabriel Hendri Susanto Edi Sofyan, B.Eng., M.Eng., Ph.D, Advisor Ir. Suryo Abadi, M.Sc., Co- Advisor

SWISS GERMAN UNIVERSITY

With the development of mobile technology, it is not only used as a telephone and sms only, but also can be used as a device to control a robot, as well as Android Smart phone are already embedded computer features. Robot technology so can be controlled remotely and the desired user. Robot technology is also one that is able to assist the work of humans, such as the draining of human work, as well as having a high risk. Robot function which was made to minimize the risk associated with large heavy physical tasks, positioning an object, and to move goods from one place to another. Therefore, here is designed a robot movers using a servo motor output arm movement, microcontroller as the brain, Bluetooth as a communication medium to send a data or input from the Android application that acts as a device for controlling a robot remotely. As learning aid successfully tested as well as conducting a survey on the users responses on the developed system.

Keywords: robot, servo motor, bluetooth, microcontroller, android.



DEDICATION

I dedicate this works for the future of ATMI Cikarang and the country I loved:



ACKNOWLEDGEMENTS

I wish to thank the members of my committee for their support, patience and good humor. Their gentle but firm direction has been most appreciated. Edi Sofyan, B.Eng., M.Eng., Ph.D was particularly helpful in guiding me toward a qualitative methodology. Ir. Suryo Abadi, M.Sc interest in sense of competence was the impetus for my proposal. Finally, I would like to thank Dr. Ir. Gembong Baskoro, M.Sc. From the beginning, he had confidence in my abilities to not only complete a degree but to complete it with excellence.

I also want to thanks which always gives form of moral or material for me in completing this thesis. Especially for

- 1. My parent loved which continues to provide support and prayer.
- 2. My loved Stefani Dian Nugraheni Who always gives advice in completing this thesis.
- 3. My brother Mathius Wagyantoro Resi Bagus Panuntun involved in the design process thesis.
- 4. All my friend were always together in the ups and downs.

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