

# CURRICULUM VITAE

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## A. Personal Identity

1	Full Name (with title)	Atar Fuady Babgei, S.T., M.Sc.
2	Functional Position	Assistant Professor
3	Structural Position	-
4	Staff ID Number	198911112018121001
5	National Lecturer Identification Number	0011118905
6	Place and Date of Birth	
7	Home Address	
8	Phone Number / Fax / HP	
9	Office Address	Biomedical Engineering Department, ITS Campus, Keputih, Sukolilo, Surabaya, East Java
10	Phone Number / Fax	atarbabgei@its.ac.id

## B. Education Background

	Bachelor's	Master's	Doctorate
College Name	Sepuluh Nopember Institute of Technology Surabaya	University of Southampton, United Kingdom	-
Field of Study	Electronics Engineering	Unmanned Aircraft Systems Design	-
Graduate Year	2012	2016	-

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

### 1. Bachelor's Degree Final Project Topic

*Design of Maximum Power Point Tracker (MPPT) on Solar Panel by using Fuzzy Methods*

Designed electronics prototype boards endowing microcontrollers and sensors for real time computation and evaluation of fuzzy algorithms to optimize solar panels efficiency.

### 2. Master's Degree Research Project:

*Development of Next Generation MAVIS Sensorcraft: A Lightweight, Low-cost, and Disposable Unmanned Aircraft System for Atmospheric Measurements*

This project was a continuation of the development of MAVIS, Massive Atmospheric Volume Instrumentation System (MAVIS), a swarm of micro unmanned aircrafts to collect atmospheric data from high altitude, by developing and implementing a long-range (LoRa) transceiver module, automatic release mechanism, and ground control software.

### E. Scientific Article Writing Experiences in Journals

No	Scientific Article Subject	Vol/No/Year	Journal Name
1	Babgei, A.F. and Suryoatmojo, H.,  Building an Unmanned Aerial Vehicle for Humanitarian Aid Delivery	Vol.10/No.1	IJEIS (Indonesian Journal of Electronics and Instrumentation Systems), 10(1).
2	Babgei,A.F., Suwito, Suryoatmojo H.,  “Design of Maximum Power Point Tracker (MPPT) on Solar Panel by using Fuzzy Methods”	2013	14th Seminar on Intelligent Technology and Its Applications, ISSN 2338-2023, 2013

### G. Awards (From Government, association or other institutions)

No.	Award Type	Awarding Institution	Year
1	Best Autonomous Operation Award and Best Innovation Award, IMechE Unmanned Aircraft Systems Challenge	(UAS Challenge) 2016, United Kingdom	2016
2	Indonesia Endowment Fund for Education		September 2015 ~ September 2016
3	Huawei Scholarship	Huawei	August 2008 - August 2010