

PERSONAL INFORMATION**Surya Ramadhan**

- Kotamas Asri St. No. 1. Cimahi Tengah. Cimahi, 40256. Indonesia.
- +62 81297390839
- surya.ramadhan@tritronik.com
dadanugm07@gmail.com
- <https://www.hackster.io/dadanugm07>
<https://scholar.google.co.id/citations?user=KaE3Qg8AAAAJ&hl=en>

Sex M | Date of birth 19/04/1989 | Nationality Indonesia

POSITION**Embedded System Engineer****WORK EXPERIENCE**

Jan 2019 – Present

Embedded System Engineer

PT. Tricada Intronik, Bandung, West Java, Indonesia

- Develop hardware from concept to electronics/IoT devices prototype (Lora, Zigbee, Wifi) based on Device Platform(STM32/AVR/ESP/Raspberry-Pi)
- Testing and maintaining developed devices
- Device installation for customers
- Proof of Concept (PoC) installation for customers
- Internship instructor

Jul 2018 – Dec 2018

RTL Design Engineer

PT Xirka Silicon Technology, Bandung, West Java, Indonesia

- Testing and debugging of developed RTL for Xirka Smartcard
- Design PCB for Xirka smartcard reader

Sep 2017 – Jul 2018

Embedded System Engineer

PT Fusi Global Teknologi, Bandung, West Java, Indonesia

- Create a customized electronics prototype based on microcontroller (STM32/AVR/ESP)
- Testing and maintaining developed devices

Jun 2015 – Sep 2017

Research & Lab assistance

Institut Teknologi Bandung Bandung, West Java, Indonesia

- Hardware development using Microcontroller STM32 and FPGA for Lab's projects

EDUCATION AND TRAINING

August 2015 – Juli 2017

Master of Science

Institut Teknologi Bandung, Bandung, Indonesia

Electrical Engineering, School of Electrical Engineering and Informatics
Major: Microelectronics

October 2014 – May 2015

Master Candidate

Universität Duisburg Essen, Duisburg, Germany

Automation and Control Engineering, Faculty of Electrical Engineering and Informatics
Major: Automation and Control

July 2013 – March 2014	German Course A1 – B2 Goethe Institut Jakarta, Jakarta, Indonesia A1 – B2 Class																																		
August 2007 – April 2013	Bachelor of Science Universitas Gadjah Mada, Yogyakarta, Indonesia Physics, Faculty of Mathematics and Natural Science Major: Physics																																		
PERSONAL SKILLS																																			
Mother tongue(s)	Indonesian																																		
Other language(s)	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">UNDERSTANDING</th> <th colspan="2">SPEAKING</th> <th rowspan="2">WRITING</th> </tr> <tr> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> </tr> </thead> <tbody> <tr> <td>English</td> <td>5.0</td> <td>6.0</td> <td>5.5</td> <td>5.5</td> <td>6.0</td> </tr> <tr> <td></td> <td colspan="4">IELTS</td><td></td></tr> <tr> <td>German</td> <td>Under 3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td></td> <td colspan="4">Test DAF</td><td></td></tr> </tbody> </table>		UNDERSTANDING		SPEAKING		WRITING	Listening	Reading	Spoken interaction	Spoken production	English	5.0	6.0	5.5	5.5	6.0		IELTS					German	Under 3	3	3	3	3		Test DAF				
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*Certificate published in 2014																																			
Organisational / managerial skills	Medical Emergency Rescue Committee 2008-2013 <ul style="list-style-type: none"> - Non-Medic Volunteer 																																		
Job-related skills	Experienced in Hardware simulation and programming <ul style="list-style-type: none"> - Low level programming language: VHDL & Verilog. - High level programming language: C/C++, Python. - PCB Design Software: KiCAD/EAGLE/Altium. - Simulation software: SPICE, Matlab/Simulink. - Hardware platform programming experience: STM32, AVR/Arduino, ESP, and Raspberry Pi - Soldering skill for board prototype (SMT) 																																		
References	<p>Ihsan Hariadi, Ir, M.ASc E-mail: hariadi@ic-proc.paume.itb.ac.id Phone: +62 812 8226 5036 Position: Lecturer and Head of Electronic Manufacturing Laboratory, Institut Teknologi Bandung</p> <p>Prof. Trio Adiono E-mail: tadiono@stei.ac.id, tadiono@gmail.com Phone: +62 222 5022 60 Position: Professor of School of Electrical Engineering and Informatics, Institut Teknologi Bandung</p>																																		