

# HANDIKO GESANG ANUGRAH SEJATI

Jl. Cendrawasih Raya, B9/6, Pondok Safari Indah, Pondok Aren, Tangerang Selatan  
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Portfolio: [www.handiko.github.io](https://www.handiko.github.io)

Seeking a challenging career with a progressive company that provides an opportunity to develop, capitalize my technical skills, and abilities in the field of engineering in general.

## EXPERIENCE

**JULY 2019 - PRESENT**

**ELECTRICAL HARDWARE ENGINEER**, PT. MULTIDAYA TEKNOLOGI NUSANTARA (EFISHERY)

Have done some research and development for the power path current sensor of the smart feeder hardware to improve the accuracy of the feeding action and to help develop the bussiness aspect of the company. Developing a set of algorithms to process sensor data to extract the useful information.

**FEBRUARY – APRIL 2019**

**ENGINEERING INTERNSHIP**, PROJECT HELION

Analyze and calculate the feasibility aspect of the Project Helion, the new concept of BTS (Base Transceiver Station) which is lifted using low altitude advertisement balloon.

**JANUARY – MAY 2018**

**STUDENT INTERNSHIP & LAB. TECHNICIAN**, PRODUCTION HOUSE, PT. DATTO ASIA TEKNOLOGI

Evaluating VHF/UHF radio performances and building Software Defined Radio platform for receiving Mt. Merapi telemetry. Processing radio telemetry signal to get the remote sensor data.

**2016**

**STUDENT RESEARCH**, LAB. SENSOR AND TELECONTROLLING SYSTEMS, UNIVERSITAS GADJAH MADA

Join research of PT. Pindad, LAPAN, RISTEK-DIKTI, TNI-AD, and Universtas Gadjah Mada. Building a Software Defined Radio receiver to receive telemetry from RHAN-122B test rocket.

**2016 - PRESENT**

**CONTEST OPERATOR**, YE2A – 7A2A DX CONTEST TEAM

Operator for the DX Contest activities from the YE2A – 7A2A Amateur Radio Contest Station, Purwodadi.

**2013 - 2018**

**LAB. ASSISTANT**, LAB. SENSOR AND TELECONTROLLING SYSTEMS, UNIVERSITAS GADJAH MADA

Participated to some research activities, being the chairman of the committee of the 2013 Techno Antenna Fair, and help to plan the labworks activities for the student. Mentoring the Basic Electronic and Sensor related subjects.

## EDUCATION

2010 - 2017

**BACHELOR OF ENGINEERING**, ENGINEERING PHYSICS, UNIVERSITAS GADJAH MADA

3,06 GPA. Final assignment: Design and Development of the Multi Mode Simultaneous Multi Channel Modulator based on Software Defined Radio.

## SKILLS

- Basic physics understanding
- Electronics and Microcontroller
- Basic signal processing
- Telemetry
- Engineering troubleshooting

## ACTIVITIES

JULY 2019 - PRESENT

**EFISHERY TOURING AND OUTDOOR ACTIVITIES**

Participate on touring and outdoor activities from PT. Multidaya Teknologi Nusantara (eFishery) touring and outdoor activity club. Have done touring to Situ Cisanti, Pangalengan, and Pantai Sancang (Garut).

2014 - PRESENT

**AMATEUR RADIO ACTIVITY**

Contacting amateur radio around the world using a amateur radio station & equipment. Join the ORARI LOKAL Tangerang Selatan since 2014.

2016 - PRESENT

**AMATEUR RADIO DX CONTESTING**

Have done contesting and achieved some winner titles for the activities of DX Contest since 2016. The goal of the contest was to contact as many amateur radio station around the world as possible using the time period that provided. Already winning many plaques and break some records.

2013

**CHAIRMAN OF THE COMMITTEE**, TECHNO ANTENNA FAIR 2013

Coordinating of the executing committee of the Techno Antenna Fair 2013 event. Being on of the best Techno Antenna Fair event ever held.

2012 - 2013

**COORDINATOR**, TELEMETRY STUDY GROUP, LAB. SENSOR AND TELECONTROLLING SYSTEMS

Coordinating of the study group members to participate to routine research and some events.