# Handiko Gesang Anugrah Sejati

Address: Pondok Safari Indah, B9/6, Pondok Aren, Tangerang Selatan
Phone: 0857421249084 | E-mail: handikogesang@gmail.com | Date of Birth: 18 January 1992
Website: https://handiko.github.io | GitHub: https://github.com/handiko

## CARRER OBJECTIVE

Seeking a challenging career with a progressive company that provides an opportunity to capitalize my technical skills and abilities in the field of Internet of Things (IoT) or Electronics in general.

## TECHNICAL SKILLS

- Arduino & ESP8266
- Microcontroller programming (C)
- Telemetry (Radio telemetry, HF, VHF, UHF)
- Software Defined Radio (GNU Radio)
- Digital Electronics & Hardware troubleshooting

## PROJECTS

- Arduino Rfpainter – Abusing FMCW to draw picture on spectrogram GitHub page
- Arduino APRS tracker using Dorji VHF module GitHub page
- Simple RF Jammer using ESP12 & AD9851 DDS module with MQTT GitHub page
- iBeacon using JDY-08 BLE module GitHub page
- Reflasing JDY-08 with HM-10 BLE firmware GitHub page
- AD9851 DDS module library for Aduino GitHub page
- GPS GPRMC parser library for Arduino GitHub page
- Receiving and demodulating Russian weather satellite signal article on hackster.io
- gr-APRS – A GNU Radio block for receiving APRS transmission GitHub page
- gr-Merapi – A GNU Radio block for receiving telemetry from Mt. Merapi GitHub page

## EDUCATION

**Bachelor of Engineering, Engineering Physics, Universitas Gadjah Mada**
- GPA: 3,06
- Final Assignment: Design and Development of the Multi Mode Simultaneous Multi Channel Modulator Based on Software Defined Radio

## PRE-PROFESSIONAL EXPERIENCE

**Engineering Intern, Helion project (Feb – March 2019)**
Estimating the Helion performace/coverage for various models.

**Student Intern & Lab. Technician, Production House, PT. Datto Asia Teknologi (2018)**
Evaluating VHF/UHF RF path performances and Building a Software Defined Radio application for receiving radio telemetry.

**Lab. Assistant, Sensor and Telecontrolling Systems Lab. (2013 – 2018)**
Help create labworks modules, became an Intructor & Coordinator. Finishing projects on radio telemetry.

**Chairmain of committee, Techno Antenna Fair 2013**
Coordinating the committee to host the 2013 Tehcno Antenna Fair competition.