

HANDIKO GESANG ANUGRAH SEJATI

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PERSONAL SUMMARY

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.

EXPERIENCES

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 assingment: Design and Development of the Multi Mode Simultaneous Multi Channel Modulator based on Software Defined Radio.

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 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. Join the ORARI LOKAL Tangerang Selatan since 2014.

2013

CHAIRMAN OF THE COMMITTEE, TECHNO ANTENNA FAIR 2013

Coordinating of the executing committee of the Techno Antenna Fair 2013 event. Being one 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 in routine research and some events.

HONORS

2016

WORLD WINNER – CQ WPX CONTEST CW, CQ MAGAZINE

Winning the title of World Winner for the CQ WPX Contest CW for the category of Single Operator Low Power Assisted 15 m Band. Set some new records for Indonesia.

2016 - 2017

OCEANIA (ASIA - PACIFIC REGION) WINNER – OCEANIA DX CONTEST CW & SSB, WIRELESS INSTITUTE OF AUSTRALIA & NEW ZEALAND ASSOCIATION OF RADIO TRANSMITTERS

Winning 4 (four) Oceania Plaques for the Oceania DX Contest CW & SSB. Set new record for the Indonesia region.

2017 - 2018

ASEAN WINNER – CQWW DX CONTEST CW & SSB, CQ MAGAZINE

Winning the ASEAN Plaques for the CQ Worldwide DX Contest CW & SSB (Amateur radio contest activity) under the YE2A & 7A2A Contest Team. Set some new records for Indonesia region.

2016

ROOKIE OF THE YEAR, YB LAND DX CLUB

Winning the Rookie of the Year Plaques for the achievements of the amateur radio contest during the year of 2016. Sponsor: YB Land DX Club.

SKILLS

- Basic physics understanding
- Electronics and Microcontroller
- Basic signal processing
- Radio Telemetry
- Engineering troubleshooting
- Antenna design and simulation
- Research & Scientific method