



Rizaldy Hakim A.

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NIDN : 0010029302
Affiliation : Industrial Mechanical Engineer, Faculty of Vocational, ITS
Research : Modelling, Simulation, Manufacture, and Automotive

EDUCATION

2011 – 2015

BACHELOR DEGREE

- + Institut Teknologi Sepuluh Nopember (ITS), Indonesia
- + Mechanical Engineering
- + Analisa Kekuatan Chassis Mobil Listrik 'Braja Wahana' Profile Hollow dengan Variasi Ketebalan

2016 – 2018

MASTER DEGREE

- + Institut Teknologi Bandung (ITB), Indonesia
- + Engineering Design, Mechanical Engineering
- + Karakteristik Penyerapan Energi Modul Penyerap Impak Tipe Pre-External Inverted Tube

EXPERIENCES

2019 – now

Lecturer at Institut Teknologi Sepuluh Nopember

2019 – now

Member of Pusat Unggulan IPTEK (PUI) Mechatronics and Industrial Automation (MIA)

2019 – now

Member of External Relationship Division, Lembaga Sertifikasi Profesi (LSP-ITS), Indonesia

2019

Juri Lomba Ketrampilan Siswa (LKS) SMK, Jawa Timur di Tulungagung

2019

Juri Kreatifitas Teknologi Tepat Guna Tahun 2019, Dispora Jawa Timur

2014 - 2015

General Manager on ITS Team Sapuangan

ACHIEVEMENTS

2017

1ST PRIZE FUSE & GE JET ENGINE INSPECTION DESIGN SYSTEM GLOBAL CHALLENGE

Designing the best solution for inspecting internal parts of jet engine to improve safety and efficiency through smart automation borescope system driven by an artificial intelligent.

<https://launchforth.io/amelia/the-consistent-images-challenge-winners-are/>

Electronics and AI

2015

1ST SHELL ECO MARATHON ASIA (SEM) 2015

MANILA, FILIPHINA

Urban Diesel Category

Team Leader (Manager)

2014

1ST PRIZE INDONESIA ENERGY MARATHON CHALLENGE (IEMC) 2014

SURABAYA, INDONESIA

Prototype Diesel Category

Team Leader (Manager)

RESEARCH GRANT

2019

Eskalasi Proses Poduksi Bogie Set Gerbong Kereta Api Melalui Reduksi Manufacturing Lead Time (MLT), PT Barata Indonesia, Penelitian Produk Teknologi Industri (PPTI), **Anggota**

2020

Penerapan Teknologi Provent Mesin Pengulen Adonan Kerupuk Ikan Guna Meningkatkan Produktivitas dan Kehigienisan Produk Kerupuk Ikan, Pengabdian Kepada Masyarakat Dana Lokal ITS, **Anggota**

- 2020 Rancang Bangun Smart Monitoring System pada Solar Panel sebagai Upaya Penghematan Konsumsi Daya Listrik Rumah Tangga Berbasis Internet of Things, Penelitian Dana Lokal ITS, **Anggota**
- 2020 Pengaruh Penerapan Coating Jenis Ti, TiN dan CrN Dalam Proses Pembuatan Implant Berbahan Baku Lokal terhadap Laju Korosi dan Karakteristik Permukaan didalam Simulated Body Fluid (SBF) Solution, Penelitian Terapan Dana Pusat DRPM, **Anggota**

PUBLICATIONS

- 2020 Simulasi Ulang Distribusi Temperatur, Tegangan Sisa, Dan Distorsi Pelat Stainless Steel 304, Rang Teknik Jurnal UMSB, Vol. 3 No.1 Januari 2020

PROJECTS

- 2018 Isolator Hanger Modification to Optimize *Emitting Rapper System*, **Analysis and Simulation**, Indonesia Power, Suralaya, Indonesia
- 2018 Crashworthiness Patent, INKA and Institut Teknologi Bandung, **Design and Report**, Bandung, Indonesia
- 2017 Auto Toothbrush, **Design**, Eksyn, Austin, USA
- 2015 Semen Indonesia, **Employee Curriculum**, Daya Dimensi, Surabaya, Indonesia

