

# Bimantoro Rachmawan Suseno

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A fresh graduate of mechanical engineering who has interest in Design Engineering and seeking for experiences in Design Engineering. He is able to demonstrate good analytical, design, time management and communication skill while successfully maintain above 3.5 GPA. Motivated to continue learning and developing in design.

## Education

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**2020-2023**     **Diploma of Mechanical Engineering GPA 3,87/4,00**  
**Universitas Sebelas Maret Surakarta**

**2016-2019**     **Mechanical Engineering**  
**Vocational School of Michael College**

## Working Experience

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**2023**             **Internship at PT Sanggar Sarana Baja**  
Project: Crane Truck

- The internship runs for 2 months on 10 January - 10 March 2023
- Design the part of palfinger crane PK32080 C with Autodesk Inventor for crane trucks needed in the mining sector
- Design the part of crane truck UHL 2735 Tyre Handler with Autodesk Inventor for crane trucks needed in the mining sector
- Design the part of lube service truck with Autodesk Inventor
- Drawing part of crane truck and lube service with Autodesk Inventor

**2021**             **Internship at PT Bukit Makmur Mandiri Utama (BUMA)**  
Project: Pancanaka Tooth Bucket

- Worked with team, 4 people in total including myself for six months (February-July 2021)
- Do a 3D scan of the tooth bucket for later redesign
- Design the new tooth bucket with software Solidworks
- Carry out the process of casting tooth buckets that have been designed with a mixture of several different metal materials in order to obtain the desired level of hardness at PT Baja Kurnia
- Heat treatment on the tooth bucket to obtain the desired level of hardness and ductility at PT Baja Kurnia
- Tooth bucket trial at the Buma site in East Kalimantan, Berau

**2021**             **Internship at PT Hasil Karya Indonesia (HKI)**  
Project: Mesin CNC 3 Axis Double Column

- Worked with team, 4 people in total including myself for six months (February-July 2021)
- Design the table of CNC Machine with Solidworks
- Design the spindle of CNC Machine with Solidworks

**2020-2022      Lecturer Research Projects**

Project: Solar Panel with Thermoelectric

- Designed the frame for the solar panel holder with Solidworks
- The process of making a frame for a solar panel mount

**2018-2019      Internship at PT ATMI IGI CENTER**

- Cleaning of leftover plastic injection molding
- assistance in the process of operating plastic injection molding machines

**Organization Experience**

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**2022              Himpunan Mahasiswa Diploma III Mesin (HMDM SV UNS)**

- Worked as head of research and technology division
- Running a Solidworks manufacturing design software training program
- Running a MasterCAM manufacturing design software training program
- Running a AutoCAD manufacturing design software training program

**2021              Himpunan Mahasiswa Diploma III Mesin (HMDM SV UNS)**

- Worked as member of research and technology division
- Running a Solidworks manufacturing design software training program
- Running a Fusion360 manufacturing design software training program

**Hardskill**

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**Document**

Microsoft Word, Microsoft Power Point, Microsoft Excel

**Design Manufacture**

Solidworks, Autodesk Inventor, AutoCAD, MasterCAM

**Manufacture**

Lathe Machine, Milling Machine, CNC Machine, Welding

**Softskill**

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English, Detail oriented, Problem solving, Communication skill, Time management

**Certificate**

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- TOEIC Certificate Score 665
- Certified SolidWorks Associate 2022
- Certified SolidWorks Associate 2019
- Welding Engineer BNSP
- Certificate Of Competence Lathe Machine, Milling Machine, CNC Machine
- Internship Certificate at PT Bukit Makmur Mandiri Utama (BUMA)
- Certificate of "Penerapan Ketentuan K3 bagi ahli K3 umum"
- Certificate AutoCAD 2D