

Thomas Santosa, B.Eng.



Professional Summary

I was graduated with a bachelor's degree from Parahyangan Catholic University and majoring in Chemical Engineer. I am a highly motivated person seeking a professional career.

Furthermore, I have been experiencing as a process engineer in the Fiberline Department in Riau Andalan Pulp and Paper (APRIL Group). Ensuring daily monitoring job is pleased to effectively and efficiently achieve target production in Fiberline Department while utilizing the analytical and technical skills in the operational process which creates an extraction of valuable information that was calculated by the analytical and numerical skills based on mass and energy balance for further decision.

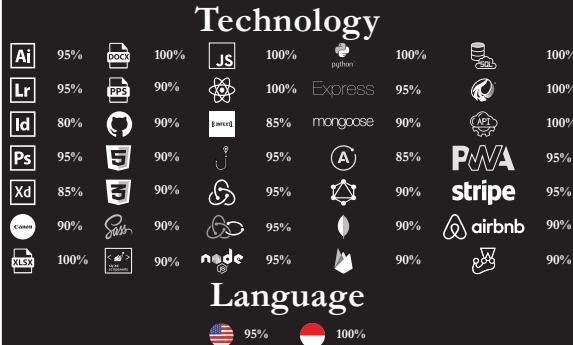
At this rate, I have competent to resolve the inefficient operational system process, efficiently optimized product, technical field, and problem solving skills which highly utilized. Also, having abilities to take vocational works and structured works. I can work with the team, which was approved to accept feedback and interpersonal collaboration to effectively solving the case as a leading role to gives clear feedback with thinking outside the box during the past job, so efficiently resourceful reaches the target as per object with achievement driven.

To sharpen thinking outside the box, I was talented with creativity and a conceptualized thinker, which approved with broadening the ability of drawing, photography, and web development.

Personal Contact

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Skills



Institutional Education

Bachelor of Industrial Technology, Chemical Engineer

GPA: 3.12	August 2012 - July 2017
Parahyangan Catholic University	Bandung, West Java, Indonesia

Thesis

Design Chemical Manufacture based on Arenga Pinnata Palm Tree to Produce Liquor Drink

Full-time, Aug 2016 – Dec 2016
Bandung Area, Indonesia

Commercially producing palm wine and suitably packed to increase awareness a local and global consumer by using sugar palm from palm tree (Arenga pinnata).

Making Heterogenous Acid Catalyst based on Silica/Carbon Composite with TEOS and Sulfonic Acid

Full-time, Aug 2015 – Aug 2016
Bandung Area, Indonesia

Developing a biodiesel process by making a heterogenous acid catalyst based on silica/silica/carbon composite through a hydrothermal process.

Course Education

Information Technology

HTML, CSS, Javascript Programming for Model View Controller at Web Developer Bootcamp 2021, Udemy

React Web and Native Framework for Single Page Application at Complete React Developer in 2021 (with Redux, Hooks, GraphQL), Udemy

Python Programming for Web Scraping

at 2021 Complete Python Bootcamp from Zero to Hero in Python, Udemy

Object Relation Mapping, SQL

at The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert, Udemy

Experience

Field Operations

Fiberline Department

Full-time, Sep 2018 – Dec 2019, *1 yr 4 months*
Pekanbaru Area, Riau, Indonesia

Informing condition for the operation al DCS from abnormality equipment during manufacture running within teamwork reliability.

Data Engineer

Fiberline Department

Full-time, Aug 2018 – Dec 2019, *1 yr 5 months*
Pekanbaru Area, Riau, Indonesia

Master PI OSisoft application as processors of data control to create a monitoring parameter tool.

Process Engineer

Fiberline Department

Full-time, Jul 2018 – Dec 2019, *1 yr 6 months*
Pekanbaru Area, Riau, Indonesia

Determining the analytical root cause based on incoming data and daily monitoring process parameters ensures a successful streamlined production level using the PI OSisoft application.

Engineering Development

Trainee Program (EDT)

Full-time, Dec 2017 – Dec 2018, *1 yr 1 month*
Pekanbaru Area, Riau, Indonesia

Assisted manager area job to support parameter data based on actual and guideline conditions running.

Project

Monitoring Leaked Fluid from The Failure of Control Valve by Data Model Using Excel

Full-time, Oct 2018 – Dec 2019, *1 year*
Pekanbaru Area, Riau, Indonesia

Maintaining the pressure, temperature, flow rate process as per accidentally incoming of leaked fluid

Commissioning Acacia Excellence Conversion As Transitions From Kraft Pulp To Acacia Excellence Production

Full-time, Sep 2019 – Dec 2019, *4 month*
Pekanbaru Area, Riau, Indonesia

Transiting the fiberline plant product from kraft pulp to ae pulp as half material of the cotton product as commissioning member.

Simulation of Superbatch Administrator Hot Liquor Filling Efficiency Metso With PI Osisoft Data Streaming

Full-time, May 2019 – Dec 2019, *8 month*
Pekanbaru Area, Riau, Indonesia

Simulating data based on actual data recording of PI Osisoft analyzer through flow, volume, and temperature design in terms of achieving best result condition for problem of channel cooking of fluidization results shorting total cycle time of pulp production.

Monitoring Kappa Number Based on H-Factor & P-Factor as per Discharge Sequence of Superbatch Condition

Full-time, Feb 2019 – Dec 2019, *11 month*
Pekanbaru Area, Riau, Indonesia

Ensuring kappa number as per the quality of each digester with tracking the data from oxygen delignification area to the digester area and determining number digester that deviates from setpoint controller.

Crown Clothing Ltd

<https://crowned-ltd.herokuapp.com/>
Single page application for e-commerce using React, Express, Firebase, and NodeJS with Stripe for handling payment

Campground Application Interface

<https://yelpcamp-open.herokuapp.com/>
Model, view, and controller application for prototype of social media using Express, NodeJS, and Mongo Atlas

Achievement

Kaizen & LEAN

Reducing time delay on maintenance and process site based on data model using Excel.

EDT Program and Mental Building

Certificate from engineering program.