



## **APRILIANA DWI JAYANTI,S.Si.,MT.,CPE 1**

<b>Education</b>	<b>Bachelor in Science and Engineering</b> <b>Magister in Chemical Engineering</b>
<b>University</b>	<b>Institute Technology Bandung</b>
<b>University Location</b>	<b>Bandung, West Java, Indonesia</b>
<b>Date CPE1 Awarded</b>	<b>March 1, 2015</b>

### **Summary**

Apriliana Dwijayanti has over six years of experience in the design, construction, and optimization of process units with KLM Technology Group. Her experience includes six years as a process engineer with KLM Technology Group. Her responsibilities include process design and simulation of process equipment for a variety of petrochemical applications, developing engineer design guidelines, and collaborating with programmers creating applications of equipment sizing programs.

She has Bachelor of Science and Technology from Jenderal Soedirman University in Purwokerto, Indonesia and Master of Chemical Engineering at the Institute of Technology Bandung, Indonesia.

### **Work History**

Lecture at Serang Raya University (October 2016 – present)

Process Engineer at KLM Technology Group (September 2010 – present)

- ✓ Process simulation and hand calculation of heat and material balances for projects.
- ✓ Sizing of equipment units for projects.
- ✓ Performing supporting process calculations, preparing specifications, PFD, P&ID and data sheet for all required process equipment items
- ✓ Working with programmer create applications program of design calculations and equipment sizing
- ✓ Make the designed guidelines for engineer (EDG) which are published in the website company ([www.kolmetz.com](http://www.kolmetz.com) or [www.klmtechgroup.com](http://www.klmtechgroup.com)).

Administration sales at PT Tira Austenite, tbk (March 2010 – August 2010)

- ✓ Administration activity (make inquiry, RFQ, PO, weekly and monthly report)

- ✓ Sales Indoor
- ✓ Customer service and follow up the customer

Chemistry department, science and engineering faculty UNSOED (2005 – 2007)

- ✓ Supervise and assistant for student who practice in lab
- ✓ Make sure that the practice working well and safely
- ✓ Make a report on the value of practical work of students

### **Training**

November 2014 to March 1, 2015

Certified Practicing Engineer Level 1 (CPE 1 - International Association of Certified Practicing Engineer)

June 2012 (2 days)

Fundamentals of Chemical Safety and Health (The University of Nottingham Malaysia)

June 2012 (5 days)

2nd Advances in Process Plant Operation, Maintenance, and Safety Design (KLM Technology Group Malaysia)

April 2010 (10 days)

Material and salesmanship (PT. Tira Austenite, Jakarta)

### **Publication**

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| <ul style="list-style-type: none"> <li>▪ Distillation Column Selection and Sizing</li> <li>▪ Distillation Column Tray Hydraulic</li> <li>▪ Distillation Column Packing Hydraulic</li> <li>▪ Storage Tank Selection and Sizing</li> <li>▪ Safety in Process Equipment</li> <li>▪ Safety Overpressure Relieving Systems</li> <li>▪ Boiler and Furnaces Engineering Design Guideline</li> <li>▪ Gas Sweetening system</li> <li>▪ Gas Dehydration System (Amine)</li> <li>▪ Olefin Furnaces Engineering Design Guideline</li> </ul> | <ul style="list-style-type: none"> <li>▪ Propylene Splitter Distillation Tower Selection and Sizing</li> <li>▪ Ethylene Splitter Distillation Tower Selection and Sizing</li> <li>▪ Air Separation Unit</li> <li>▪ Static Mixer Selection and Sizing</li> <li>▪ Coalescer Selection and Sizing</li> <li>▪ LPG and LNG Engineering Design Guideline</li> <li>▪ Waste Water Treatment Engineering Design Guideline</li> <li>▪ Waste Solid Treatment Engineering Design Guideline</li> <li>▪ Optimization of Separator in Hydrodesulphurization Unit</li> </ul> |
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