



RENI MUTIARA SARI, ST.,CPE 1

Education	Bachelor in Chemical Engineering
University	Sultan AgengTirtayasa University
University Location	Cilegon, Banten, Indonesia
Date CPE1 Awarded	March 1, 2015

Summary

Reni Mutiara Sari is from Indonesia and holds a chemical engineering bachelor's degree. She graduated with a 3.16 GPA from Sultan Ageng Tirtayasa University in Cilegon, Banten, Indonesia. Before she graduated, she demonstrated her proficiency through lab work of chemical engineering operation, Hysys lab work, on job training at Cabot Corporation in Indonesi–Cilegon, research, and final project papers.

She has also finished one on job training report: “Analysis of Energy Requirement by Economy Observation for Optimal Heater Placement in Coal Tar Tank” in 2012, one final research paper : “Analysis Mango Seeds Extract as Green Corrosion Inhibitor at Mild Steel using Gravimetry Method”, and one final project paper : “Pra-Design of Polymethyl Methacrylate (PMMA) Plant with Production Capacity 20.000 MT / Years” in 2013.

Currently she is working as a Process Engineer at Summit Technology Management affiliated with KLM Technology Group, Malaysia (www.klmtechgroup.com) in Serang, Banten – Indonesia. Her capabilities are specifically developing Engineering Design Guidelines (EDG) and process equipment sizing, along with designing technical programs.

She has passed Certified Practicing Engineer Level 1 (CPE 1 – International Association of Certified Practicing Engineers). She is studying to become a CPE (Certified Practicing Engineers) from the International Association of Certified Practicing Engineers now.

Work History

Reni worked as Process Engineer at Summit Technology Management (affiliated company with KLM Technology Group, Malaysia (www.klmtechgroup.com) in Serang, Banten – Indonesia (Dec 2013 – Dec 2016).

Her responsibilities were :

- Developing Engineering Design Guidelines (EDG) and process equipment sizing.
EDG which has been built :
 - Reactor Systems
 - Cost Estimating
 - Project Management
 - Solid and Fluid Mechanics
 - Slug Catcher
 - Refinery Crude Tower
 - Vacuum Distillation Tower

EDG which has been improved :

- Control Valves
- Relief Valves
- Flow Measurement
- Pumps
- Material Engineering and Their Strength
- Engineering Ethics

Leading programmers in team to build technical program

- Unit conversion program
 - Hydraulic calculation program
 - Control valve calculation program
 - Physical and transport properties program
 - Restriction Orifice Program
 - Flare Program
 - Instrumentation Orifice Plate Program
- Controlling and comparing quality of the program with other relevant technical programs to achieve good program result
 - Providing technical consultation to other young engineers
 - Supporting and active coordination for well service
 - Design process and simulation of process equipment for several petrochemical applications

Training

November 5, 2014 to March 1, 2015

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

April 6, 2014 to March 24, 2015

English Course : Conversation in English in LIA - Cilegon

March 23 to 24, 2013

Business Rivalry Policy Socialization by Technology Utilization to Young Businessman (Technopreneur Camp IV) Ministry of Economy Republic of Indonesia

May 22, 2013

Technical Training "Waste Water Treatment" by PT. NALCO

February 4 to April 9, 2013

TOEFL course at Language Development Center of Engineering Faculty of UNTIRTA

October 3 to November 2, 2012

On job training in Process Department PT. Cabot Indonesia – Cilegon

Awards

August 19, 2015

Certified Practicing Engineers level 1 (CPE 1)

July 15, 2014

Outstanding student of Conversation in English at LIA (Indonesian American Institute) Cilegon

Publication

- Kolmetz, K, Ajes, M.S.A, Sari, Reni M. 2016. *Guidelines for Reducing Corrosion Under Insulation and Its Safety Consequences*. International Conference on "Physics and Mechanics of New Materials and their Applications" (PHENMA 2016). Surabaya, Indonesia.
- Kolmetz, K, Ajes, M.S.A, Sari, Reni M. 2016. *Guidelines for Reducing Corrosion Under Insulation and Its Safety Consequences*. Engineering Practice IACPE Magazine Vol. 2 Number 7 October 2016. International Association Certified Practicing Engineers, <http://www.iacpe.com/uploads/1/7/9/1/17914777/engineeringpractice-oct2016.pdf>.