

Certificate ID : PSFE-II-24-ATI-8153150602

ENGINEERING ACADEMY

Powered by Anak Teknik Indonesia

CERTIFICATE OF COMPLETION

This certificate is proudly presented to

Vesakha Kenneth Owenmul

Has successfully completed training of
**Training Process Simulation For Engineer
From Basic To Intermediate Level**

Delivered by **Denny Firmansyah**

(Chemical Engineering Professional Trainer & Business Development Analysis)

6 days training on 16-25 February 2024

Total duration 900 minutes (15 hours)

Date Issued
28 February 2024

Scan
QR Code



Certificate
Validation



Arkastra Bhrevijana
CEO Anak Teknik Indonesia



Denny Firmansyah
Trainer Process Simulation



List of learning modules training of Training Process Simulation For Engineer From Basic to Intermediate Level (6 Days Training)

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1. Introduction
2. Stream Analysis:
 - Vapor Liquid Equilibrium
 - Pure Analysis
 - Binary Analysis
3. Basic Equipment Analysis
 - Flash Separator
 - Heat Transfe Equipment (Cooler, Heater, Heat Exchanger)
 - Pump Simulation
 - Compressor
4. Build Simulation Flowsheet
5. Introduction Distillation Column Simulation
6. Example Case: Methanol-Water Distillation Column
 - Sizing Column With Hydraulic Analysis
7. Liquid-Liquid Extraction Simulation
8. Introduction Solid Handling In Aspen Plus
 - Crusher Solid KCL
 - Drying System Wet Solid Salt KCL
 - Crystallization Larutan KCL
9. Example Simulation Of Biomass Gasification
10. Introduction Of Reaction In Aspen Plus
11. Introduction Reactor Batch In Aspen Plus
12. Build Cyclohexane Production Flowsheet
13. Sensitivity Analysis In Cyclohexane Production Flowsheet
14. Calculator Block To Maintain Methane: Water Ratio In The Feed Of Reactor
15. Introduction Aspen EDR (Exchanger Design Rating)
16. Model Pipes & Compressor With Performance Curves
17. Simulation Of DME (Di-Methyl Ether) Plant
18. Perform A Cost Analysis Using Activated Economics (Tentative)
19. Introduction Dynamic Simulation In Aspen Plus (Tentative)

List Of Participants Completed The Exercise : s.id/process03