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Certificate ID : PSFE-II-24-ATI-8148650626

ENGINEERING ACADEMY
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CERTIFICATE
OF COMPLETION

This certificate is proudly presented to

Alfath Daud Setiawan

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

Arkastra Bhrevijana
CEO Anak Teknik Indonesia

Denny Firmansyah
Trainer Process Simulation

Scan
QR Code

Certificate
Validation

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 Equlibrium
   - Pure Anlysis
   - 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

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