Certificate ID : PRCS-XI-22-ATI-6111840290

ENGINEERING ACADEMY
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CERTIFICATE
OF COMPLETION

This certificate is proudly presented to

Zaid Maulana Ma'ruf

Has successfully completed training of
Process Simulation For Basic
(Hands on Simulator Software With Study Case)
Delivered by **Denny Firmansyah**
(Business Development Analysis at Chemical Industry & Professional Process Engineering Trainer)

6 days training on 21, 22, 23 October & 4, 5, 6 November 2022
Total duration 900 minutes (15 hours)

Published on
November 17, 2022

Arkastra Bhrevijana
CEO Anak Teknik Indonesia

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Validation

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List of learning modules online training of **Process Simulation For Basic (Hands on Simulator Software With Study Case**

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1. Introduction Of Process Simulator
2. How To Start Process Simulator Software
3. P&T Stream Analysis, VLE (Vapor Liquid Equilibrium)
4. 2 Phase & 3 Phase Simulation
5. Heat Transfer Equipment Simulation:
   Heater, Cooler & Heat Exchanger
6. Transfer Fluid Equipment Simulation:
   Pump, Compressor & Expander
7. Piping Simulation In Process Simulator (Ex: Hysys)
8. Basic Rankine Cycle In Steam Power Plant:
   Introduction Feature Case Studies
9. Regenerative Steam Power Plant Simulation
10. Refrigerated System In Dew Point Control
    Of Natural Gas Processing
11. Introduction Of Distillation Column: Propylene & Propane Separation
12. How To Sizing & Hydraulic Analysis Of Column Distillation
13. Advanced Distillation Column:
    MVR (Mechanical Vapor Recompression)
14. Advanced Distillation Column:
    Extractive Distillation Column
15. Optimizer In Distillation Column
16. Introduction In Absorber Column
17. Introduction Reactor In Process Simulator
18. Ammonia Close Loop Reactor System
19. CSTR Reactor Case: Ethylene Glycol Processing
20. Introduction PFR (Plug Flow Reactor)
21. Multiple Reactor: Syngas Processing
22. DME Production Flowsheet & Introduction Energy Analyzer
23. Sweetening Natural Gas Processing

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