Certificate ID : PNDA-X-22-ATI-3996139320

ENGINEERING ACADEMY
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CERTIFICATE
OF COMPLETION

This certificate is proudly presented to

Rizky Saputra Tarigan

Has successfully completed short course of
Fundamental Piping And Instrumentation Diagram (P&ID) With Autocad Batch 2
Delivered by **Fredy Ary Sadewa, ST & Achmad Effendi**
(Process Safety Engineer & Process and Process Safety Designer)
6 days training on 23,24,25,26,27,28 September 2022
Total duration 900 minutes (15 hours)

Published on
October 4, 2022

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Arkastra Bhrevijana
CEO Anak Teknik Indonesia

Fredy Ary Sadewa, ST
Trainer P&ID

Achmad Effendi
Trainer P&ID Drafting

Certificate
Validation

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List of learning modules short course of
Fundamental Piping and Instrumentation Diagram (P&ID) With Autocad Batch 2

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P&ID

1. How To Read P&ID
2. Rules Of Writing In P&ID
3. Process Control & Safeguarding
4. Oil & Gas Process Flow Diagram.
5. Safety Standard Oil & Gas As Per API Regulation Standard

AutoCAD

1. Basic Command In Autocad
2. Prepare Template As Per Standard Drawing
3. Prepare Instrument Drawing In P&ID (Signal, Control Valve, PSV, Orifice,Etc)
4. Prepare Line Drawing In P&ID (Main Line, Secondary Line, Tubing Line And Skid Line)
5. Prepare Valve Drawing In P&ID
6. Prepare Equipment Drawing In P&ID (Wellhead, Separator,Heat Exchanger, Pig Launcher, Etc)

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