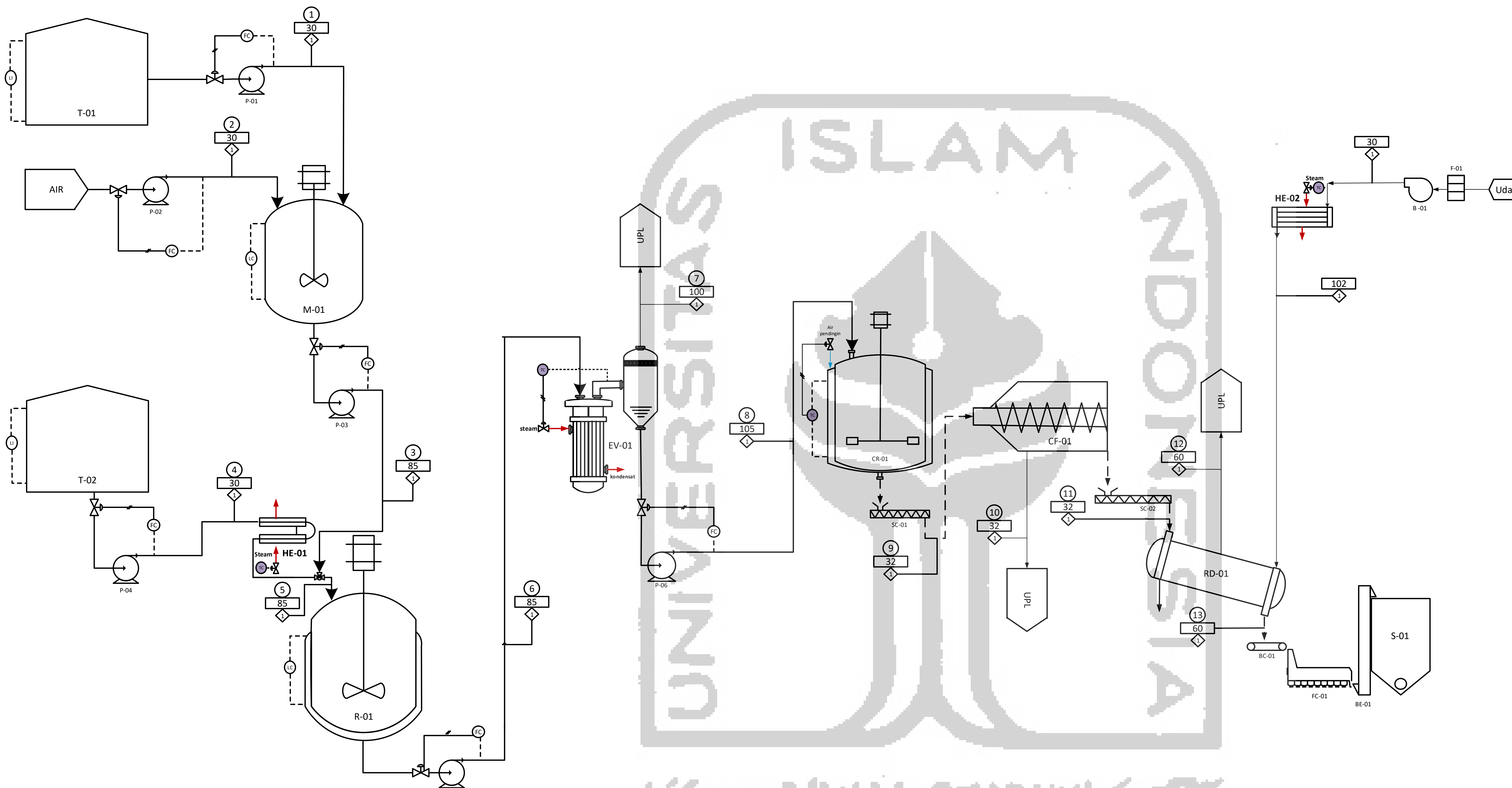


LAMPIRAN C

لَا إِلَهَ إِلَّا اللَّهُ مُحَمَّدٌ رَسُوْلُهُ

PROCESS ENGINEERING FLOW DIAGRAM
PRA RANCANGAN PABRIK FERROUS SULPHATE HEPTAHYDRATE DARI PICKLING LIQUOR DAN ASAM
SULFAT KAPASITAS 10.000 TON/TAHUN



| SIMBOL | KETERANGAN |
|--------|-----------------------|
| B | Blower |
| BC | Belt Conveyor |
| BE | Bucket Elevator |
| CF | Centrifuge |
| CR | Cristalizer |
| EV | Evaporator |
| F | Filter |
| FC | Fan Cooler |
| HE | Heat Exchanger |
| M | Mixer |
| P | Pompa |
| R | Reaktor |
| RD | Rotary Dryer |
| S | Silo |
| SC | Screw Conveyor |
| T | Tangki |
| FC | Flow Controller |
| LC | Level Controller |
| LI | Level Indicator |
| TC | Temperatur Controller |
| ○ | Nomor Arus |
| ○ | Suhu, °C |
| ◇ | Tekanan, atm |
| ◇ | Control Valve |
| ◇ | Mixing Valve |
| — | Piping |
| - - - | Non Piping |
| → | Udara Tekan |
| → | Aliran Listrik |

| No | Komponen | Nomor Arus (kg/jam) | | | | | | | | | | | | |
|-------|--------------------------------------|---------------------|-----------|-----------|----------|-----------|-----------|----------|----------|----------|----------|----------|---------|----------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1 | FeCl ₂ | | | | 631,416 | 631,416 | 44,199 | | 44,199 | 44,199 | 39,779 | 4,420 | 4,413 | 0,006 |
| 2 | H ₂ SO ₄ | 4735,624 | | 4735,624 | | 4735,624 | 4282,495 | | 2141,248 | 2141,248 | 1927,123 | 214,125 | 212,733 | 1,392 |
| 3 | FeSO ₄ | | | | | | 702,811 | | 702,811 | 14,056 | 12,651 | 1,406 | 1,404 | 0,002 |
| 4 | H ₂ O | 96,645 | 10953,143 | 11049,789 | 915,554 | 11965,343 | 11965,343 | 5982,671 | 5982,671 | 5413,800 | 4872,420 | 541,380 | 537,861 | 3,519 |
| 5 | HCl | | | | 31,571 | 31,571 | 369,105 | | 369,105 | 369,105 | 332,195 | 36,911 | 36,830 | 0,080 |
| 6 | FeSO ₄ ·7H ₂ O | | | | | | | | | 1257,627 | | 1257,627 | | 1257,627 |
| Total | | 4832,27 | 10953,143 | 15785,412 | 1578,541 | 17363,954 | 17363,954 | 5982,67 | 9240,035 | 9240,035 | 7184,17 | 2055,867 | 793,241 | 1262,626 |



UNIVERSITAS ISLAM INDONESIA

JURUSAN TEKNIK KIMIA
 FAKULTAS TEKNOLOGI INDUSTRI
 UNIVERSITAS ISLAM INDONESIA
 YOGYAKARTA

PROCESS ENGINEERING FLOW DIAGRAM
 PRA RANCANGAN PABRIK FERROUS SULPHATE
 HEPTAHYDRATE DARI PICKLING LIQUOR DAN ASAM
 SULFAT KAPASITAS 10.000 TON/TAHUN

Disusun oleh:

| | |
|---------------------------|----------|
| 1. Aldi Dwi Saputro | 15521080 |
| 2. Citra Ayu Puspita Sari | 15521207 |

Dosen Pembimbing:

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