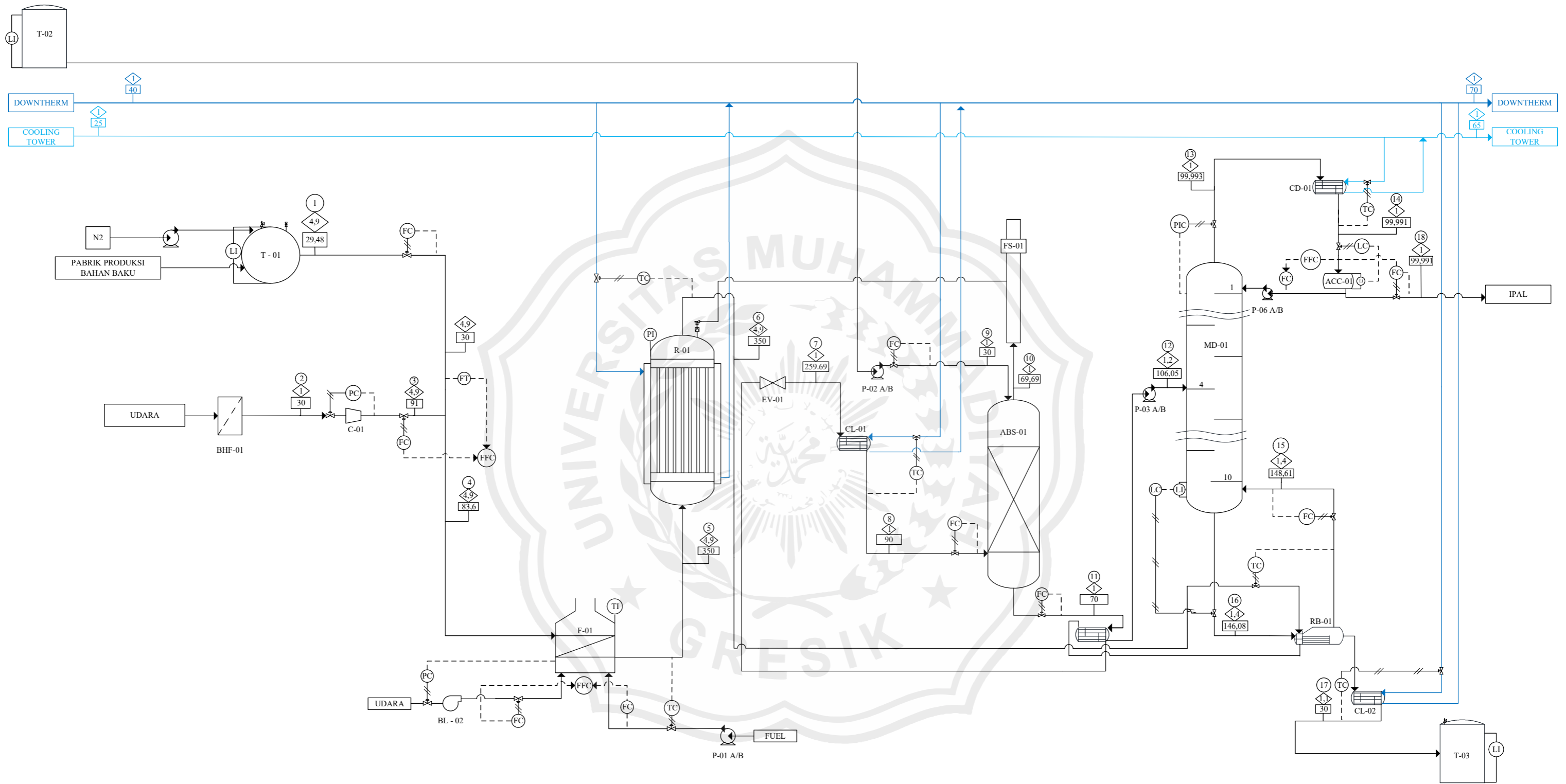


**PROCESS FLOW ENGINEERING**  
**PRARANCANGAN PABRIK ASAM AKRILAT DARI PROPILLEN DAN UDARA DENGAN KAPASITAS 35.000 TON/TAHUN**



Komponen	Nomer Arus										Nomer Arus							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Propilen (C <sub>3</sub> H <sub>6</sub> )	2.759,6314	-	-	2.759,6314	2.759,6314	68,9908	68,9908	68,9908	-	68,9908	-	-	-	-	-	-	-	-
Propana (C <sub>3</sub> H <sub>8</sub> )	24,2808	-	-	24,2808	24,2808	24,2808	24,2808	24,2808	-	24,2808	-	-	-	-	-	-	-	-
Oksigen (O <sub>2</sub> )	-	4.259,1249	4.259,1249	4.259,1249	4.259,1249	1.165,5870	1.165,5870	1.165,5870	-	1.165,5870	-	-	-	-	-	-	-	-
Nitrogen (N <sub>2</sub> )	-	14.019,6196	14.019,6196	14.019,6196	14.019,6196	14.019,6196	14.019,6196	14.019,6196	-	14.019,6196	-	-	-	-	-	-	-	-
Air (H <sub>2</sub> O)	-	2.044,9842	2.044,9842	2.044,9842	2.044,9842	3.198,1158	3.198,1158	3.198,1158	-	11.357,8731	26.501,7039	26.501,7039	40.388,4871	13.939,7866	2.243,8048	40.441,4905	53,0034	26.448,7005
Akrolein(C <sub>3</sub> H <sub>4</sub> O)	-	-	-	-	-	59,9275	59,9275	59,9275	-	59,9275	-	-	-	-	-	-	-	-
Asam Asetat (CH <sub>3</sub> COOH)	-	-	-	-	-	66,8292	66,8292	66,8292	-	0,6683	66,1609	66,1609	0,1004	0,0346	0,0000	66,1959	66,0951	0,0657
Asam Akrilat (C <sub>3</sub> H <sub>4</sub> O <sub>2</sub> )	-	-	-	-	-	4.455,2820	4.455,2820	4.455,2820	-	44,5528	4.410,7292	4.410,7292	0,00	0,0000	0,0000	4.410,7292	4.410,7292	0,0000
Karbon Dioksida (CO <sub>2</sub> )	-	-	-	-	-	49,0081	49,0081	49,0081	-	49,0081	-	-	-	-	-	-	-	-
Air (H <sub>2</sub> O) Solven	-	-	-	-	-	-	-	-	-	-	34.661,4611	-	-	-	-	-	-	-

- INSTRUMEN**
- FC : FLOW CONTROLLER
  - LI : LEVEL INDICATOR
  - LC : LEVEL CONTROLLER
  - TC : TEMPERATURE CONTROLLER
  - PC : PRESSURE CONTROLLER
  - FFC : FLOW FRACTION CONTROLLER
  - FC : FLOW CONTROLLER
  - TIC : TEMPERATURE INDICATOR CONTROLLER
  - FIC : FLOW INDICATOR CONTROLLER
- NOTASI**
- : ALIRAN PROSES
  - : ALIRAN DOWNTHERM
  - : ALIRAN PENDINGIN
  - : ALIRAN STEAM
  - : SINYAL UDARA
  - : NOMER ARUS
  - : TEKANAN, ATM
  - : SUHU, CELSIUS
  - : CONTROL VALVE
  - : FAN
  - : PRESSURE RELIEF

- KETERANGAN ALAT**
- T : TANGKI
  - CL : COOLER
  - VAP : VAPORIZER
  - BHF : BAG HOUSE FILTER
  - BL : BLOWER
  - HE : HEAT EXCHANGER
  - F : FURNACE
  - R : REAKTOR
  - EV : EXPANSION VALVE
  - ABS : ABSORBER
  - MD : MENARA DISTILASI
  - CD : KONDENSOR
  - ACC : AKUMULATOR
  - RB : REBOILER
  - FS : FLARE STACK

PROCESS ENGINEERING FLOW DIAGRAM  
 PRARANCANGAN PABRIK ASAM AKRILAT  
 DARI PROPILLEN DAN UDARA DENGAN  
 KAPASITAS 35.000 TON/TAHUN

Dikerjakan Oleh :  
**Nadhatul Syafitri (200606009)**  
**Clarisa Hany Az Zahra (200606013)**

Dosen Pembimbing:  
**Oki Setiawan, S. T., M. Eng**

JURUSAN TEKNIK KIMIA  
 FAKULTAS TEKNIK  
 UNIVERSITAS MUHAMMADIYAH GRESIK  
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