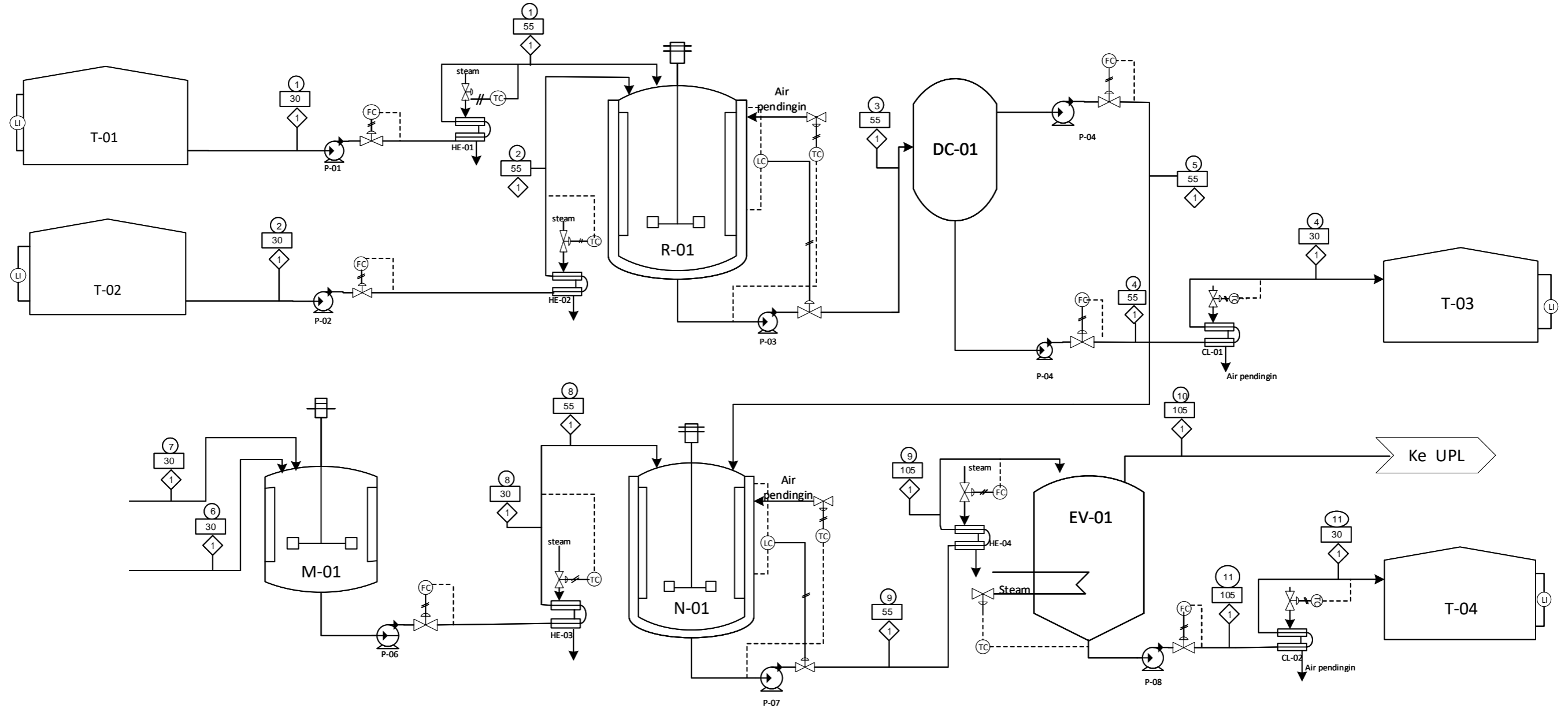


PROCESS ENGINEERING FLOW DIAGRAM

PRA RANCANGAN PABRIK LINIER ALKYL BENZENE SULFONAT

KAPASITAS 21.000 TON/TAHUN



KOMPONEN	NO ARUS (KG/JAM)										
	ARUS 1	ARUS 2	ARUS 3	ARUS 4	ARUS 5	ARUS 6	ARUS 7	ARUS 8	ARUS 9	ARUS 10	ARUS 11
C6H5.C12H25	1912,5989		38,2520		38,2520				38,2520		38,2520
OLEUM 20%		2390,7486	1781,2049								
C6H5.C12H25.SO3.H			2483,8906		2483,8906						
H2SO4				558,1725	11,3913						
Na2SO4									16,5057		16,50573
H2O							188,4425		141,3319	134,2653	7,0666
NaOH						125,6283					
NaOH 40%								314,0709			
C6H5.C12H25.SO3.Na									2651,5152		2651,515
TOTAL	1912,598895	2390,749	4303,3475	558,1725	2533,534	125,6283	188,4425	314,0709	2847,6047	134,2653	2713,339

KETERANGAN ALAT	
R	Reaktor
DC	Decanter
N	Netralizer
M	Mixer
EV	Evaporator
HE	Heater
CL	Cooler
P	Pompa
T	Tangki

SIMBOL	KETERANGAN
LC	Level Controller
○	Level Indikator
○	Flow Controller
TC	Temperature Controller
...	Electric Connection
⊗	Control Valve
—	Piping
⊕	Udara Tekan
○	Nomor Arus
◇	Tekanan, atm
□	Suhu, C
⚡	Vent

	JURUSAN TEKNIK KIMIA FAKULTAS TEKNOLOGI INDUSTRI UNIVERSITAS ISLAM INDONESIA YOGYAKARTA 2018
	PROCESS ENGINEERING FLOW DIAGRAM PRA RANCANGAN PABRIK LINEAR ALKYL BENZENE SULFONAT DARI ALKYL BENZENE DAN OLEUM 20% DENGAN KAPASITAS 21.000 TON/TAHUN Disusun Oleh :
1. Imanda Ross Pamula (13521122) 2. Raka Krisna Pratama (13521163)	Dosen Pembimbing : 1. Asmanto Subagyo, Ir. M.Sc 2. Tintin Mutiara, S.T., M. Eng