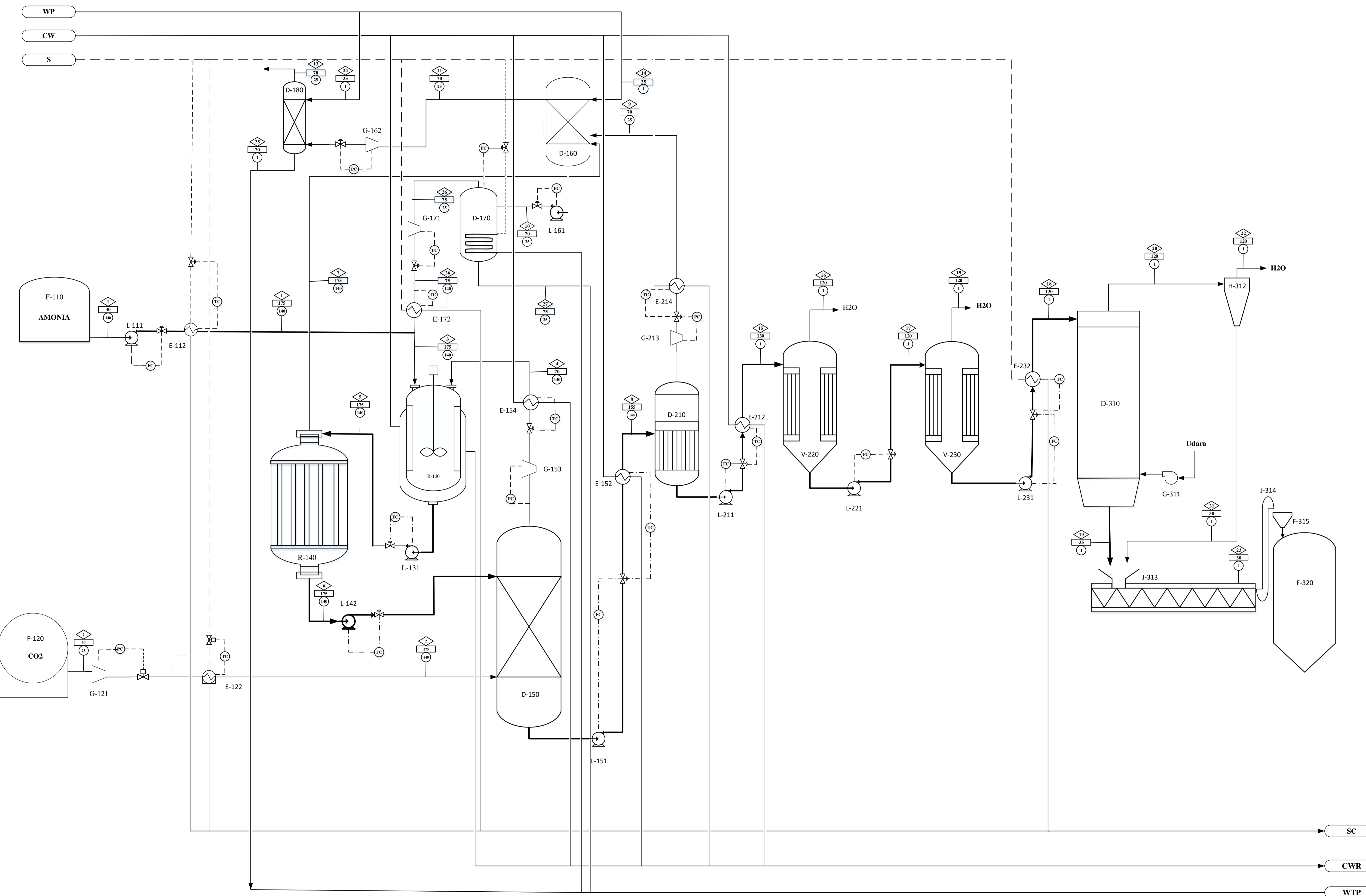


# PABRIK UREA DENGAN PROSES STAMICARBON CO2 STRIPPING



	Aliran Massa ; kg/jam
	Temperatur ; °C
	Tekanan ; atm
	Cooling Water
	Steam
	Steam Condensate
	Cooling Water Return
	Water Treatment Proses

38	F-320	SILO
37	F-315	HOPPER
36	J-314	BUCKET ELEVATOR
35	J-313	COOLING SCREW CONVEYOR
34	H-312	CYLONE
33	G-311	BLOWER
32	D-310	PRILLING TOWER
31	E-232	HEATER-4
30	L-231	POMPA-9
29	V-230	EVAPORATOR-2
28	L-221	POMPA-8
27	V-220	EVAPORATOR-1
26	G-213	COMPRESOR-5
25	E-212	COOLING-3
24	L-211	POMPA-7
23	D-210	LOW DEKOMPOSER
22	D-180	ABSORBER
22	E-172	HEATER-3
21	L-171	POMPA-6
20	D-170	VAPORIZER
19	G-162	COMPRESOR-4
18	L-161	POMPA-5
17	D-160	SCRUBBER
16	E-154	COLLING-2
15	G-153	COMPRESOR-3
14	E-152	COOLING-1
13	L-151	POMPA-4
12	D-150	STRIPPER
11	L-142	POMPA-3
10	G-141	COMPRESOR-2
9	R-140	REAKTOR UREA
8	L-131	POMPA-2
7	R-130	REAKTOR CARBAMATE
6	E-122	HEATER-2
5	G-121	COMPRESOR-1
4	F-120	TANGKI PENYIMPANAN CO2
3	E-112	HEATER-1
2	L-111	POMPA-1
1	F-110	TANGKI PENYIMPANAN AMONIA
No	KODE	NAMA ALAT

PRA RANCANGAN PABRIK UREA DENGAN PROSES STAMICARBON CO2 STRIPPING	
DIDESAIN OLEH	RANGGA FEBRY ANWAR (21031010237)
DOSEN PEMBIMBING :	Tanda tangan Pembimbing
ERWAN ADI SAPUTRO ST.,MT.Ph.D	
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Aliran/Senyawa	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
NH3	12303.408		21514.702	3502.393	11674.645		11674.645		1167.464	12842.109																	12713.688	128.421
H2O	6.155		4.403		4.403	9182.746		4591.373		40131.591			40131.591	4591.373	1700.508	2890.864	233.065	1467.444	1.530	231.534	229.219	2.315	230.749	4316.675	4316.675		40131.591	
CO2		17050.867		4532.509	4316.675		4316.675		1510.836		5827.512																5827.512	
O2		1.705			1.705		1.705				1.705	1.705																
NH2COONH4					46606.580	10713.203		2678.301																				
NH2CONH2						15304.576		15304.576						15304.576	15304.576		15304.576		15303.046	1.530	1.515	0.015	15304.561					
TOTAL	12309.562	17052.573	21519.105	8034.902	62604.008	35200.525	15993.025	22574.250	2678.301	52973.700	5829.217	1.705	40131.591	19895.949	17005.084	2890.864	15537.641	1467.444	15304.576	233.065	230.734	2.331	15535.310	4316.675	10144.187	12713.688	40260.012	