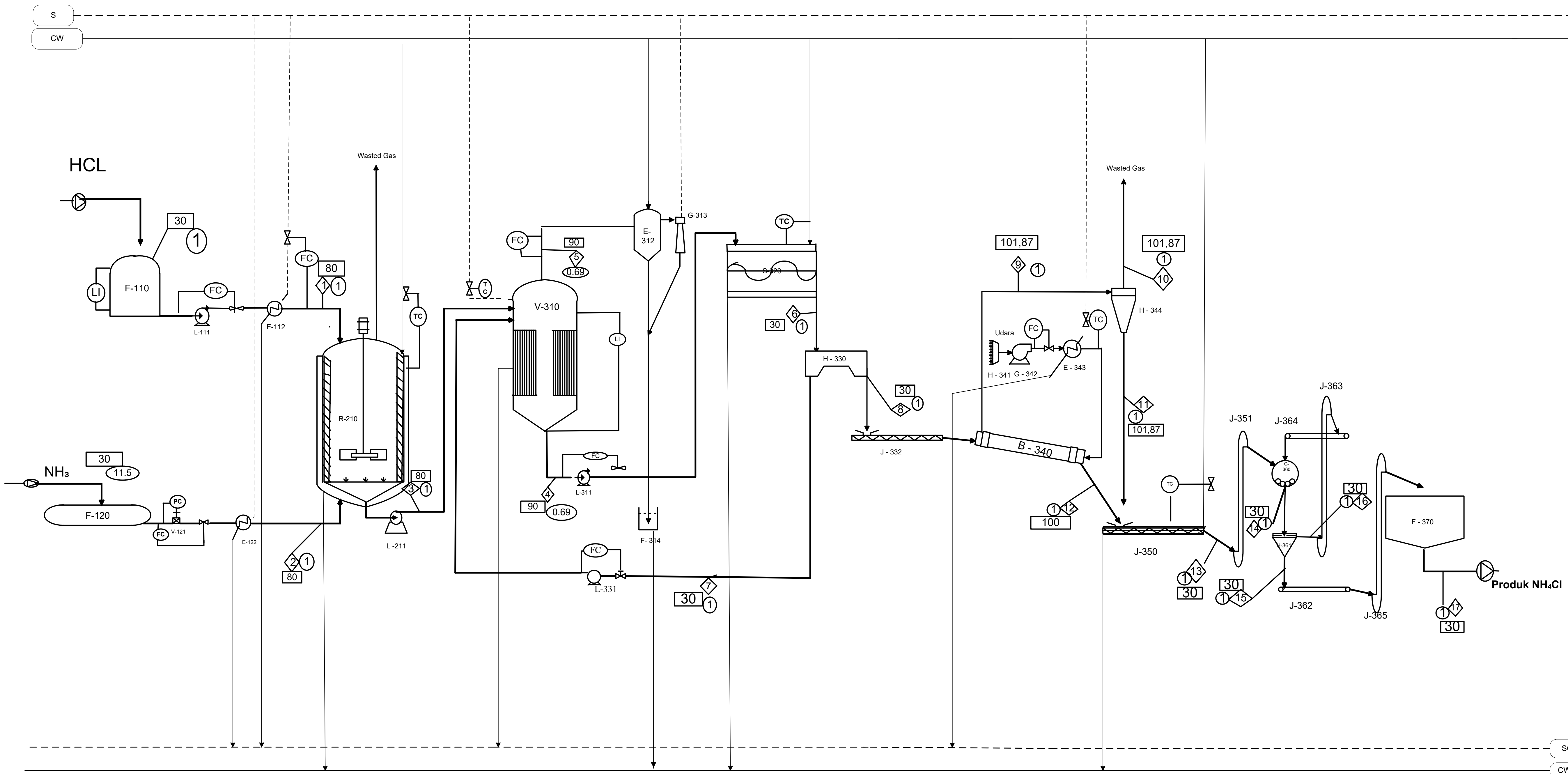


FLWSHEET PABRIK AMMONIUM KLORIDA DARI AMMONIA DAN ASAM KLORIDA DENGAN PROSES NETRALISASI



KETERANGAN :

	Temperatur : °C
	Aliran Massa : Kg/jam
	Tekanan : atm
	Steam : 148 °C ; 4,5 atm
	Steam Condensate
	Cooling Water
	Cooling Water Return
	Process Water
	Waste Treatment Process

NO	KODE	NAMA ALAT
1	F-110	Tangki Penampung HCl
2	L-111	Pompa-1
3	E-112	Heat Exchanger-1
4	F-120	Tangki Penampung NH ₃
5	V-121	Expantion Valve
6	E-122	Heat Exchanger-2
7	R-210	Reaktor
8	L-211	Pompa-2
9	V-310	Evaporator
10	L-311	Pompa-3
11	E-312	Barometric Condensor
12	G-313	Steam Ejector
13	F-314	Hot Well
14	S-320	Crystallizer
15	H-330	Centrifuge
16	L-331	Pompa-4
17	J-332	Screw Conveyor
18	B-340	Rotary Dryer
19	H-341	Air Filter
20	G-342	Blower
21	E-343	Heat Exchanger-3
22	H-344	Cyclone
23	J-350	Cooling Conveyor
24	J-351	Bucket Elevator
25	C-360	Ball Mill
26	H-361	Screen
27	J-362	Belt Conveyor
28	J-363	Bucket Elevator
29	J-364	Belt Conveyor
30	J-365	Bucket Elevator
31	F-370	Silo NH ₄ Cl

Komponen	Aliran Massa																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
HCl	8332,6407																	
NH ₃		3968,8228																
H ₂ O	17706,8615	19,94383	17726,8054	9749,9672	14624,951	9438,9646	6648,1126	3101,8546	3089,9485	3089,9485			11,90607	11,90607	12,5014	11,90607	0,5953	12,5014
NH ₄ Cl			11979,1706	17568,3728		351,3675	5589,2021		0,3514	0,00351367	0,3479	34,7854	35,1332	36,88989	35,133232	1,7567	36,8899	
Kristal NH ₄ Cl						17528,0079		11979,1706	119,791706	1,1979	118,5938	11859,3789	11977,9727	12576,871	11977,9727	598,8986	12576,8714	
HCL Sisa			166,6528															
NH3 sisa			155,6401															
Udara									73307,3835	73307,3835								
Total	26039,5023	3988,7667	30028,2689	27318,3400	14624,9508	27318,3400	12237,3147	15081,0252	76517,4751	76398,5334	118,9416	11906,0704	12025,0120	12626,2626	12025,0120	601,2506	12626,2626	

DIGAMBAR : FARAH NABILA RAMADHANI
 NPM : 17031010225
 DOSEN PEMBIMBING : Dr. Ir. Sri Muljani, MT

FLOW SHEET

PABRIK AMMONIUM KLORIDA DARI AMMONIA DAN ASAM KLORIDA DENGAN PROSES NETRALISASI

JURUSAN TEKNIK KIMIA
 FAKULTAS TEKNIK
 UNIVERSITAS PEMBANGUNAN NASIONAL "VETERAN"
 JAWA TIMUR
 2022

