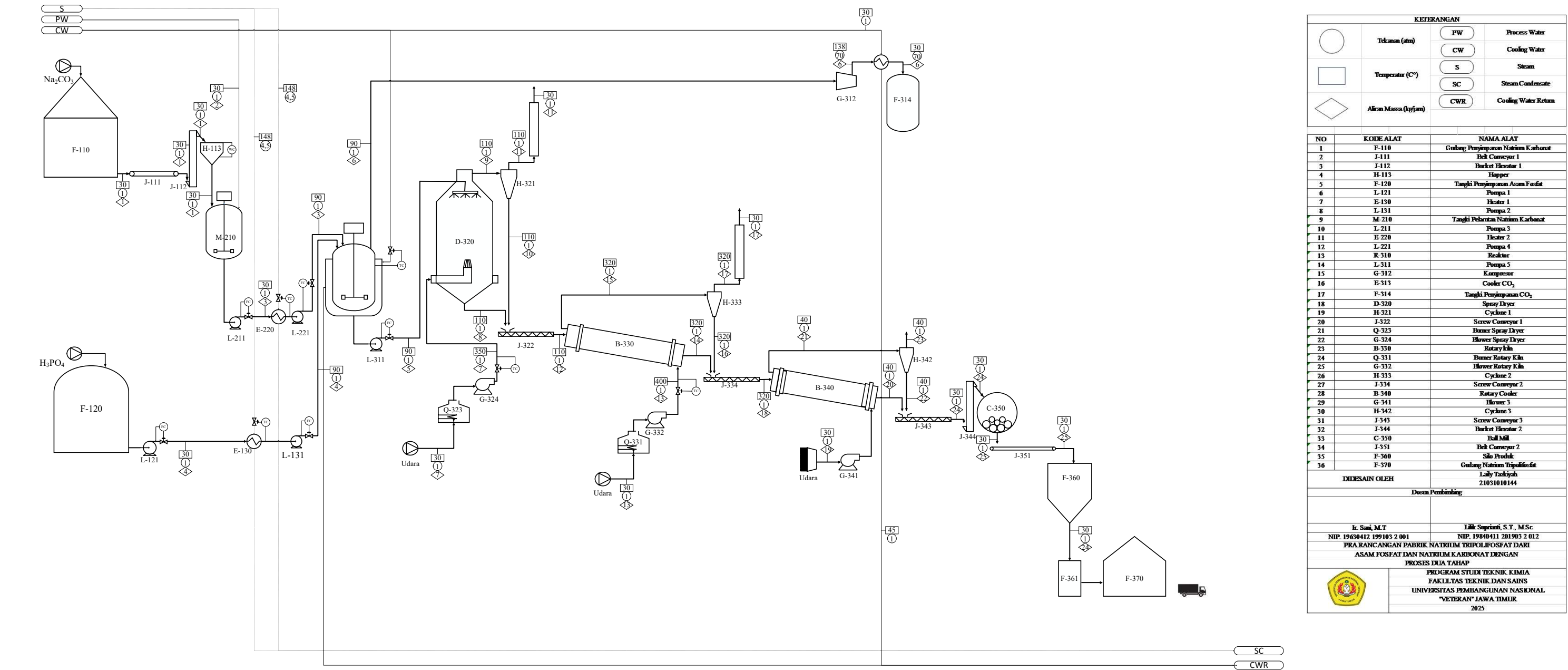


PABRIK NATRIUM TRIPOLIFOSFAT DARI ASAM FOSFAT DAN
NATRIUM KARBONAT DENGAN PROSES DUA TAHAP



Komponen	Aliran Massa (kg/jam)																								
	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
NaH2PO4 (aq)					2389.8174																				
NaH2PO4 (s)								2377.8683	11.9491	11.8296	0.1195	2389.6979		113.5107	0.5974	0.5944	0.0030	114.1051		112.9640	1.1411	1.1353	0.0057	114.0994	114.0994
Na2HPO4 (aq)					5655.9012																				
Na2HPO4 (s)								5627.6217	28.2795	27.9967	0.2828	5655.6184													
H2O (l)	9.4335	4353.7255	4363.1590	1087.5593	6346.8999			31.7345	6315.1654			31.7345						3.7571		3.7195	0.0376		0.0376	3.7195	3.7195
H2O (g)											6315.1654			3.7571	779.3981										
Na5P3O10 (s)														6611.3712	34.7967	34.6227	0.1740	6645.9939		6579.5339	66.4599	66.1276	0.3323	6645.6616	6645.6616
Na4P2O7 (s)														251.5207	1.3238	1.3172	0.0066	252.8379		250.3095	2.5284	2.5157	0.0126	252.8252	252.8252
H3PO4 (aq)				6162.8360	308.1418			306.6011	1.5407	1.5253	0.0154	308.1264		292.7201	1.5406	1.5329	0.0077	294.2530		291.3105	2.9425	2.9278	0.0147	294.2383	294.2383
H3PO4 (s)																									
Na2CO3 (aq)	5554.7533		5554.7533		277.7377			276.3490	1.3887	1.3748	0.0139	277.7238		263.8376	1.3886	1.3817	0.0069	265.2193		262.5671	2.6522	2.6389	0.0133	265.2060	265.2060
Na2CO3 (s)																									
CO2						2628.7992																			
Udara							550.9088						1472.4821						8600.2825						
Total	5564.1868	4353.7255	9917.9123	7250.3953	14978.4980	2628.7992	550.9088	8620.1746	6358.3233	42.7264	6315.5969	8662.9011	1472.4821	7536.7173	819.0453	39.4489	0.1982	7576.1662	8600.2825	7500.4045	75.7617	75.3455	0.4162	7575.7500	7575.7500