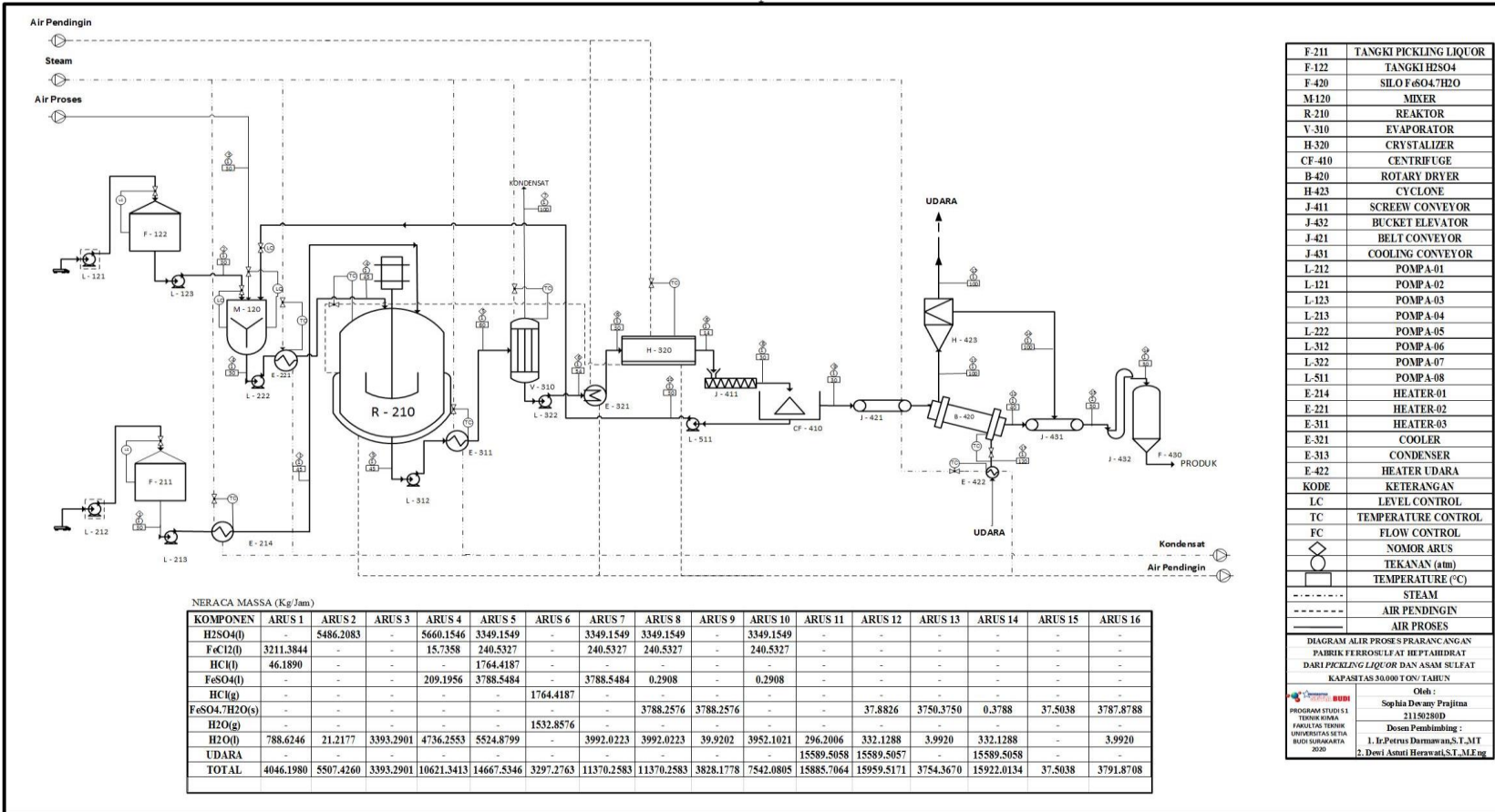


**DIAGRAM ALIR PROSES PRARANCANGAN PABRIK FERROSULFAT HEPTAHIDRAT
DARI PICKLING LIQUOR DAN ASAM SULFAT
KAPASITAS 30.000 TON/TAHUN**



NERACA MASSA (Kg/Jam)

KOMPONEN	ARUS 1	ARUS 2	ARUS 3	ARUS 4	ARUS 5	ARUS 6	ARUS 7	ARUS 8	ARUS 9	ARUS 10	ARUS 11	ARUS 12	ARUS 13	ARUS 14	ARUS 15	ARUS 16
H2SO4(l)	-	5486.2083	-	5660.1546	3349.1549	-	3349.1549	3349.1549	-	3349.1549	-	-	-	-	-	-
FeCl2(l)	3211.3844	-	-	15.7358	240.5327	-	240.5327	240.5327	-	240.5327	-	-	-	-	-	-
HCl(l)	46.1890	-	-	-	1764.4187	-	-	-	-	-	-	-	-	-	-	-
FeSO4(l)	-	-	-	209.1956	3788.5484	-	3788.5484	0.2908	-	0.2908	-	-	-	-	-	-
HCl(g)	-	-	-	-	-	1764.4187	-	-	-	-	-	-	-	-	-	-
FeSO4.7H2O(s)	-	-	-	-	-	-	-	3788.2576	3788.2576	-	-	-	37.8826	3750.3750	0.3788	37.5038
H2O(g)	-	-	-	-	-	1532.8576	-	-	-	-	-	-	-	-	-	-
H2O(l)	788.6246	21.2177	3393.2901	4736.2553	5524.8799	-	3992.0223	3992.0223	39.9202	3952.1021	296.2006	332.1288	3.9920	332.1288	-	3.9920
UDARA	-	-	-	-	-	-	-	-	-	-	15589.5058	15589.5057	-	15589.5058	-	-
TOTAL	4046.1980	5507.4260	3393.2901	10621.3413	14667.5346	3297.2763	11370.2583	11370.2583	3828.1778	7542.0805	15885.7064	15959.5171	3754.3670	15922.0134	37.5038	3791.8708

F-211	TANGKI PICKLING LIQUOR
F-122	TANGKI H2SO4
F-420	SILO F ₂ O ₄ /H ₂ O
M-120	MIXER
R-210	REAKTOR
V-310	EVAPORATOR
H-320	CRYSTALIZER
CF-410	CENTRIFUGE
B-420	ROTARY DRYER
H-423	CYCLONE
J-411	SCREEN CONVEYOR
J-432	BUCKET ELEVATOR
J-421	BELT CONVEYOR
J-431	COOLING CONVEYOR
L-212	POMPA-01
L-121	POMPA-02
L-123	POMPA-03
L-213	POMPA-04
L-222	POMPA-05
L-312	POMPA-06
L-322	POMPA-07
L-511	POMPA-08
E-214	HEATER-01
E-221	HEATER-02
E-311	HEATER-03
E-321	COOLER
E-313	CONDENSER
E-422	HEATER UDARA
KODE	KETERANGAN
LC	LEVEL CONTROL
TC	TEMPERATURE CONTROL
FC	FLOW CONTROL
NOMOR ARUS	NOMOR ARUS
TEKANAN (atm)	TEKANAN (atm)
TEMPERATURE (°C)	TEMPERATURE (°C)
STEAM	STEAM
AIR PENDINGIN	AIR PENDINGIN
AIR PROSES	AIR PROSES

DIAGRAM ALIR PROSES PRARANCANGAN
PABRIK FERROSULFAT HEPTAHIDRAT
DARI PICKLING LIQUOR DAN ASAM SULFAT
KAPASITAS 30.000 TON/TAHUN

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