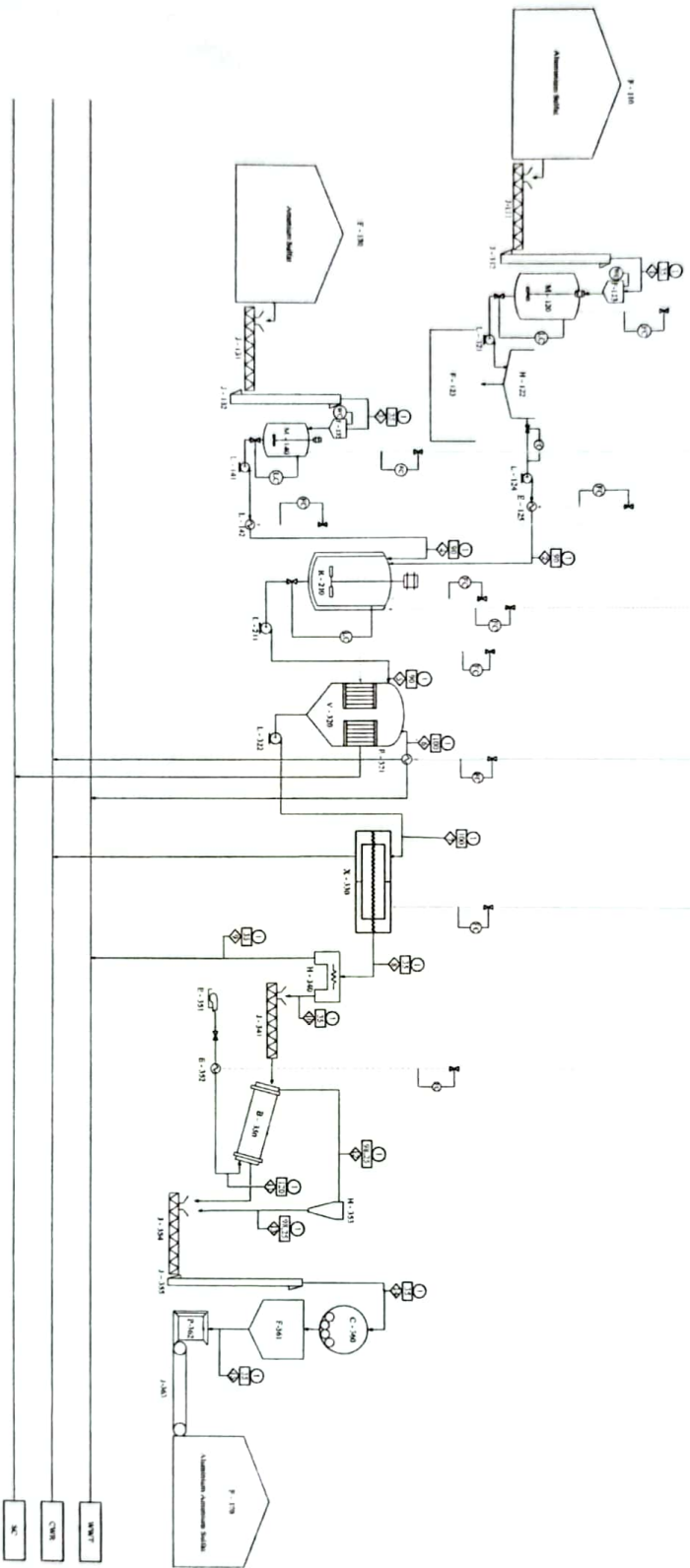


PRA-RANCANGAN PABRIK ALUMI CRISTAL (ALUMINIUM AMONIUM SULFAT) DARI ALUMINIUM SULFAT DAN AMONIUM SULFAT DENGAN PROSES KRISTALISASI NON KATALIS

CM
S
SW



Komponen	Kg/jam													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Al ₂ (SO ₄) ₃	2506,738	2381,42	-	-	119,071	-	119,071	113,3556	5,715409	5,601101	0,114308	0,113165	5,714266	-
Al ₂ O ₃	513,49	-	-	-	-	-	-	-	-	-	-	-	-	-
Fe ₂ O ₃	0,302055	-	-	-	-	-	-	-	-	-	-	-	-	-
(NH ₄) ₂ SO ₄	-	-	967,521	967,5207	93,79433	-	93,79433	93,79433	89,2922	4,502128	4,412085	0,090043	0,089142	4,501227
H ₂ SO ₄	-	-	0,26	0,26	0,26	-	0,26	0,261717	0,249155	0,012562	0,012311	0,000251	0,000249	0,01256
H ₂ O	-	5894,605	1,55092	1241,962	7136,567	2444,654	4691,913	4691,913	4466,701	225,2118	0,543862	224,668	-	0,543862
Al ₂ (SO ₄) ₃ ·(NH ₄) ₂ SO ₄ ·24H ₂ O	-	-	-	-	5995,049	-	5995,049	5995,049	445,4375	5549,611	5438,619	110,9922	109,8823	5548,502

35	F-110	GEDANG ALUMINIUM AMONIUM SULFAT
34	L-346	BELT CONVERTOR
33	P-367	PACKAGER
32	F-361	SILO ALUM AMONIUM
31	C-340	BALL METL
30	J-344	COOLING CONVERTOR-1
29	H-351	CYCLONE
28	E-352	HEATER-1
27	E-351	BLOWER
26	B-350	ROTARY DRYER
25	J-341	SCREEN CONVERTOR-1
24	H-340	CENTRIFUGAL
23	X-330	KRISTALIZER
22	L-322	POMPA-5
21	E-321	KONDENSOR
20	V-320	EVAPORATOR
19	L-211	POMPA-4
18	R-210	REAKTOR
17	E-142	HEATER-2
16	L-141	POMPA-3
15	M-140	TANAKI PRELUT AMONIUM SULFAT-2
14	F-133	HOPPER AMONIUM SULFAT
13	J-131	BUCKET ELEVATOR-2
12	J-132	SCREEN CONVERTOR-2
11	F-130	GEDANG AMONIUM SULFAT
10	E-125	HEATER-1
9	L-124	POMPA-2
8	F-123	TANAKI PRAKAMPANG AMONIBRITS
7	H-122	CLASIFIER
6	L-121	POMPA-1
5	M-120	TANAKI PELAKUT ALUMINIUM SULFAT
4	F-113	HOPPER ALUMINIUM SULFAT
3	J-112	BUCKET ELEVATOR-1
2	J-111	SCREEN CONVERTOR-1
1	F-110	GEDANG ALUMINIUM SULFAT
NO	KODE	NAMA ALAT
1	SW	Cooling Water
2	SW	Process Water
3	SW	Steam
4	CMW	Cooling Water Return
5	SW	Waste Water Treatment
6	SC	Steam Condensat
DENGAN/OLAH		Yudhan Efendi
NPM		20011010009
DAN/SEN PEMBINA		Dr Ir Sri Widada MT
FLOW SHEET PABRIK ALUMINIUM AMONIUM SULFAT DARI AMONIUM SULFAT DAN ALUMINIUM SULFAT DENGAN PROSES KRISTALISASI		TTD
PROGRAM STUDI TEKNIK KIMIA		Spn
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