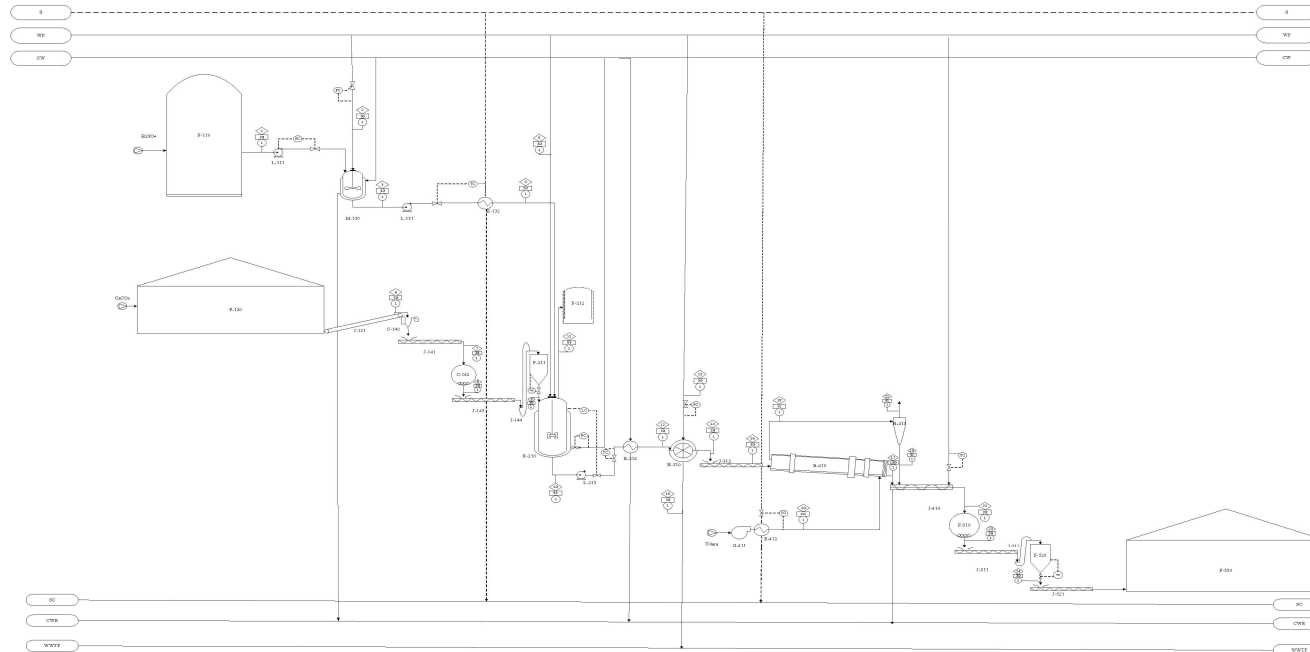




PRA RENCANA PABRIK "PABRIK GYPSUM DARI BATUAN KAPUR DAN ASAM SULFAT"

PABRIK GYPSUM DARI BATUAN KAPUR DAN ASAM SULFAT



Simbol	Keterangan
	Bahan Baku
	Produk
	Tekanan (atm)
	Temperatur (°C)
	Aliran massa (kg)
S	Storage
WP	Water Pressure
CW	Cooling Water
SC	Steam Condense
CWP	Cooling Water Re
WWTP	Waste Water Treatment
FC	Final Control
TC	Temperature Con
WC	Weight Control
LC	Level Control

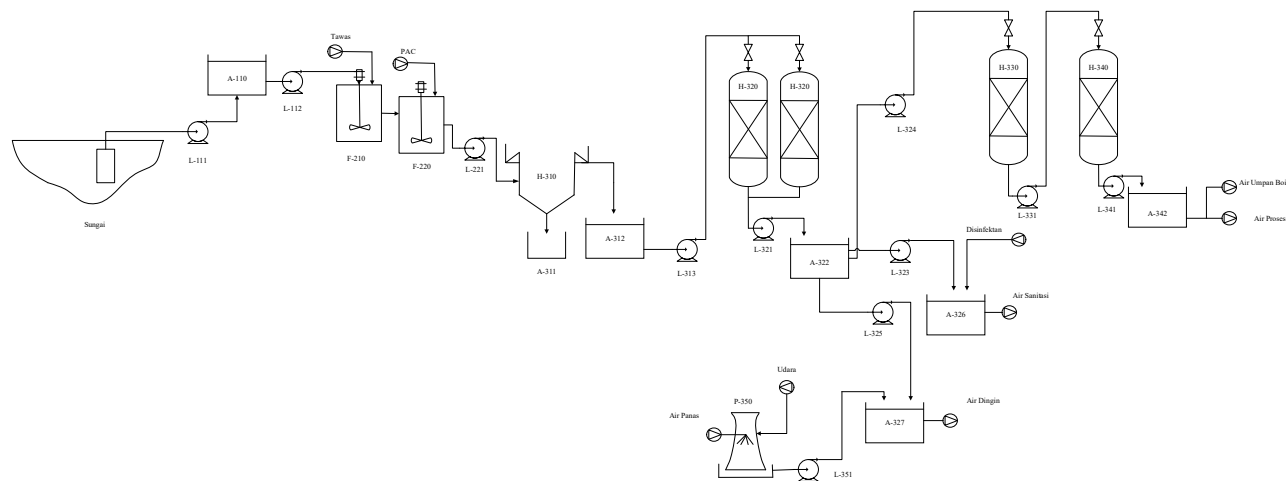
NO	KETERANGAN ALIRAN
1	Material Input
2	Water Pressure
3	Water Pressure
4	Water Pressure
5	Water Pressure
6	Water Pressure
7	Water Pressure
8	Water Pressure
9	Water Pressure
10	Water Pressure
11	Water Pressure
12	Water Pressure
13	Water Pressure
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93	Water Pressure
94	Water Pressure
95	Water Pressure
96	Water Pressure
97	Water Pressure
98	Water Pressure
99	Water Pressure
100	Water Pressure

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	
CaCO ₃						7547	7547	7547	7547	754,7	754,7	754,7	754,7	747,153	747,153	747,153	747,153	747,153	747,153	747,153	747,153	747,153	747,153	747,153	747,153
H ₂ SO ₄	3698,03		3773,5	3773,5						654,236	654,236	654,236	654,236	32,2925	621,943	32,2925	31,9066	0,32393	0,3197		0,00747	754,625	754,625	754,625	754,625
H ₂ O	75,47	3622,56	3622,56	1622,56	1358,46	29,2699	29,2699	29,2699	29,2699	180,796	2686,03	180,796	2686,03	8,92395	2857,91	8,92395	0,09014	8,83381	0,09014	0,09014	0,09014	0,09014	0,09014	0,09014	0,09014
SiO ₂						27,7293	27,7293	27,7293	27,7293	27,7293	11082,8	27,7293	11082,8	11082,8	11082,8	11082,8	11082,8	11082,8	11082,8	11082,8	11082,8	11082,8	11082,8	11082,8	11082,8
CaSO ₄ ·2H ₂ O						6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208	6,16208
Fe ₂ O ₃						73,1746	73,1746	73,1746	73,1746																
MgCO ₃						19,2565	19,2565	19,2565	19,2565		3026,94	19,2565	3026,94	19,2565	19,2565	19,2565	19,2565	19,2565	19,2565	19,2565	19,2565	19,2565	19,2565	19,2565	19,2565
CO ₂																									
Al ₂ O ₃																									
H ₂ CO ₃																									
MgSO ₄																									
Udara																									
Total	3773,50	3622,56	7396,06	7396,06	1358,46	7702,59	7702,59	7702,59	7702,59	13430,2	3026,94	13430,2	2686,03	12636,4	3479,83	12636,4	12501,3	135,108	125,012	23040,5	23040,5	23040,5	23040,5	23040,5	



PRA RENCANA PABRIK "PABRIK GYPSUM DARI BATUAN KAPUR DAN ASAM SULFAT"

UNIT PENGOLAHAN AIR PABRIK GYPSUM DARI BATUAN KAPUR DAN ASAM SULFAT



No	Kode	Alat
1	L-111	Pompa Air Sungai
2	A-110	Bak Penampungan Air Sungai
3	L-112	Pompa Tangki Koagulasi
4	F-210	Tangki Koagulasi
5	L-220	Pompa Tangki Flokulasi
6	L-221	Pompa Ke Clarifier
7	H-310	Clarifier
8	A-311	Bak Penampungan Flok
9	A-312	Bak Penampungan Air Berah
10	L-313	Pompa ke Sand Filter
11	H-320	Sand Filter
12	L-321	Pompa ke Bak Penampungan Air Berah
13	A-322	Bak Penampungan Air Berah
14	L-323	Pompa ke Bak Sanitasi
15	L-324	Pompa ke Katun Exchanger
16	L-325	Pompa ke Bak Cooling Water
17	A-326	Bak Penampungan Air Sanitasi
18	A-327	Bak Penampungan Cooling Water
19	H-330	Tangki Katun Exchanger
20	L-331	Pompa ke Anion Exchanger
21	H-340	Tangki Anion Exchanger
22	L-341	Pompa Penampungan Air Lemak
23	A-342	Bak Penampungan Air Lemak
24	P-350	Cooling Tower
25	L-351	Pompa Cooling Tower

FLOWSHEET UNIT PENGOLAHAN AIR PABRIK GYPSUM DARI BATUAN KAPUR DAN ASAM SULFAT

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