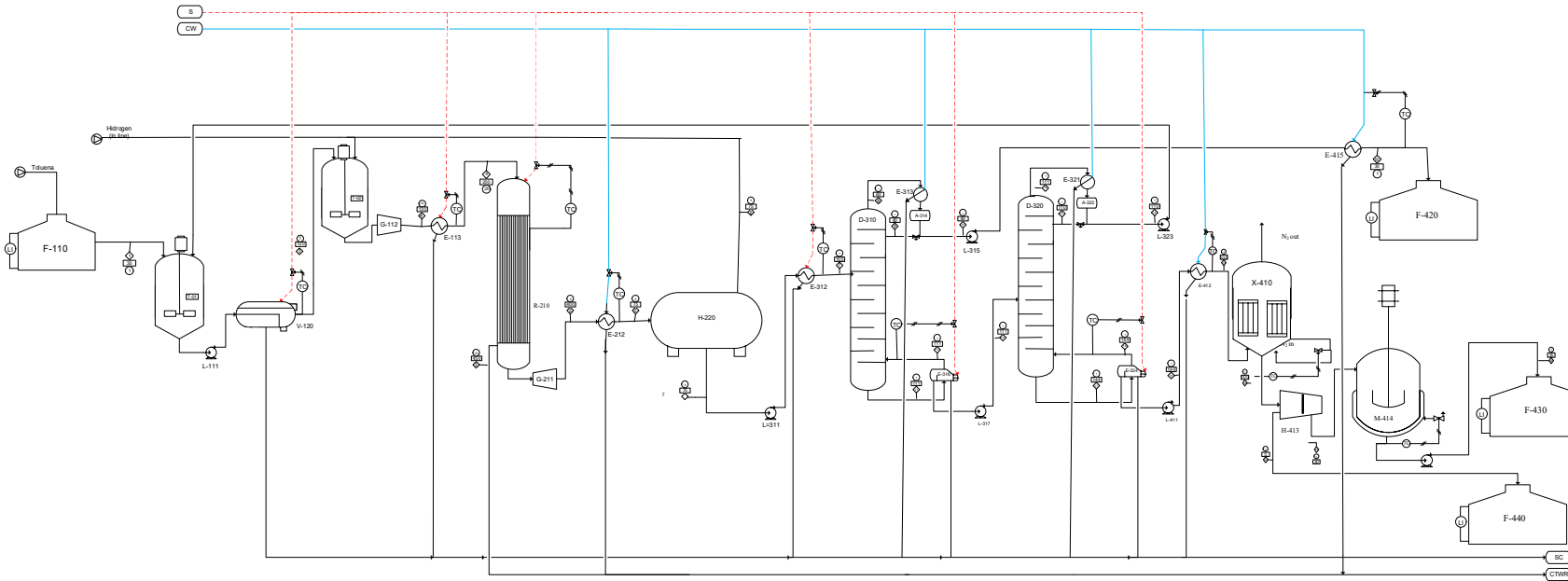


PABRIK PARAXYLENE DARI TOLUENE DENGAN PROSES SELEKTIVITAS DISPROPORSIONASI

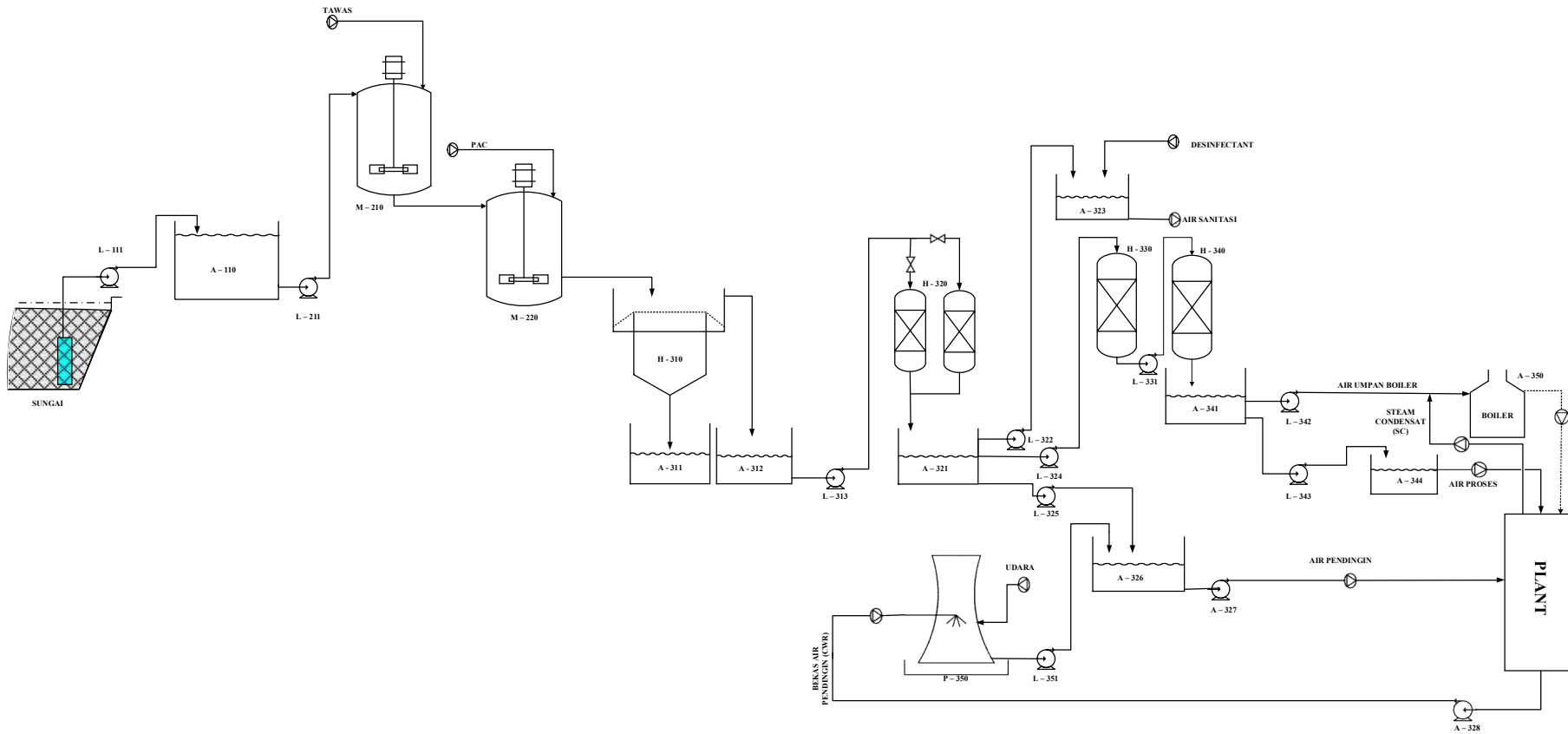


Komponen	Aliran (kg/jam)																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
C ₂ H ₄ CH ₃ (aq)	22967,0689	22989,5316					8199,2436		29,7396	80,7625	8118,4810	8118,4810	8118,4810		17618,8979	7996,7038	121,7772	121,7772	121,7772	121,7772		115,6884	6,0889
C ₂ H ₄ CH ₃ (g)			22967,0689	22967,0689	8199,2436			110,5021															
C ₂ H ₄ CH ₃ (s)														9981,92388							6,0889		
Paraxylene(aq)	83,9406	77,1986				6223,1379			0,0825	0,2240	6222,9139	6222,9139	6222,9139		49,3587	22,4025	6200,5114	6200,5114	6200,5114	55,7550		52,9672	6147,5442
Paraxylene(g)			83,9406	83,9406	6223,1379			0,3065						27,9640156									
Paraxylene(s)																					6144,7564	6147,5442	
Metaxylene(aq)	174,8762	122,3761					1095,7558		0,0303	0,0822	1095,6736	1095,6736	1095,6736		18,1055	8,2176	1087,4560	1087,4560	1087,4560	1068,8731		1034,0124	53,4437
Metaxylene(g)			174,8762	174,8762	1095,7558			0,1124						10,2575985									
Metaxylene(s)																					18,5829	53,4437	
Orthoxylene(aq)	90,9356	62,1113					704,8553		0,0101	0,0275	704,8279	704,8279	704,8279		6,0564	2,7488	702,0790	702,0790	702,0790	702,0790		649,3213	52,7577
Orthoxylene(g)			90,9356	90,9356	704,8553			0,0376						3,4312385									
Orthoxylene(s)																					18,5829	52,7577	
H ₂ (g)			2496,4205	2496,4205	2496,4205	2496,4205																	
C ₂ H ₆ (aq)		62,6027					6260,2738		2282,1971	6197,6710	62,6027	62,6027	62,6027		137,9307	62,6027							
C ₂ H ₆ (g)			6260,2738					8479,8681							78,1441674								
Ethyl Benzene(aq)		3,0008					833,5548				833,5548	833,5548	833,5548		6,6116	3,0008	830,5540	830,5540	830,5540	818,1654			53,2969
Ethyl Benzene(g)				833,5548										3,74575966									
Ethyl Benzenes(s)																					12,3886	53,2969	777,2571
Total	23316,8212	23316,8212	25813,2417	25813,2417	25813,2417	2496,4205	23316,8212	8590,8268	2312,0595	6278,7673	17038,0539	17038,0539	17038,0539	10105,4667	17836,9608	8095,6762	8942,3777	8942,3777	8942,3777	8942,3777	6313,1313	2629,2464	6313,1313

- | | | | |
|---|----------------------|---|-----------------------|
|  | Cooling Water Return |  | Aliran Massa (Kg/Jam) |
|  | Cooling Water |  | Suhu (°C) |
|  | Steam Condensate |  | Tekanan (Atm) |
|  | Steam | | |
|  | Bahan Baku | | |
|  | Produk | | |

[illegible]

PABRIK PARAXYLENE DARI TOLUENE DENGAN PROSES SELEKTIVITAS DISPROPORSIONASI



29	L - 361	POMPA BAK AIR PENDINGIN	
26	P - 360	COOLING TOWER	
27	B - 350	BOILER	
26	L - 328	POMPA - 12	
23	L - 327	POMPA - 11	
24	A - 344	BAK AIR PROSES	
23	A - 341	BAK PENAMPUNG AIR DEMINERALISASI	
22	H - 340	TANGKI ANION EXCHANGER	
21	L - 325	POMPA - 10	
20	H - 330	TANGKI KATION EXCHANGER	
19	L - 343	POMPA - 9	
18	L - 342	POMPA - 8	
17	L - 326	BAK AIR PENDINGIN	
16	L - 323	POMPA - 7	
15	L - 324	POMPA - 6	
14	A - 323	BAK PENAMPUNG AIR SANITASI	
13	L - 322	POMPA - 5	
12	A - 321	BAK PENAMPUNG AIR BERSIH	
11	H - 320	SAND FILTER	
10	L - 313	POMPA - 4	
9	A - 312	BAK AIR BERSIH DARI CLARIFIER	
8	A - 311	BAK PENAMPUNG FLOK	
7	H - 310	CLARIFIER	
6	L - 231	POMPA - 3	
5	M - 230	TANGKI FLOKULASI	
4	M - 220	TANGKI KOAGULASI	
3	L - 212	POMPA - 2	
2	L - 211	POMPA - 1	
1	A - 210	BAK PENAMPUNG AIR SUNGAI	
NO	KODE	NAMA ALAT	
FLOWSEET UTILITAS PROSES PARALAXINILE DARI TULITAN DENGAN PROSES SELEKTIVITAS DISPROPORSIONAS			
DIGAMBAR OLEH :			
Shamita Agtiya A Utama		18031010088	
DOSEN PEMBIMBING :			
Erwan Adi Saputra, ST, MT, Ph.D		ITD :	
PROGRAM STUDI TEKNIK KIMIA FAKULTAS TEKNIK DAN SAINS UNIVERSITAS PEMBANGUNAN NASIONAL "VETERAN" JAWA TIMUR 2025			