

BAB V
SPESIFIKASI PERALATAN

No.	Nama Alat	Kode	Tipe	Ukuran	Bahan Kontruksi	Jumlah
1.	Storage Asam sulfat	F-111	Silinder tegak	- Volume = 6439,856 - Do = 277,17 in - Di = 238,5 in - Pi = 2,816 psig - Ts = 3/16 in - Ls = 29,8125 in - H = 33,17138 in - Tha = 1/16 in	Iron and steel	2
2.	Pompa Asam sulfat	L-112	sentrifuga 1	- P = 2 Hp - Rate = 1097,665 ft ³ /jam	Commercial steel	1
3.	Heater	E-113	DPHE	- Do = 0,62 in - Di = 2,07 in - L = 56,25271 ft - Kapasitas = 17821,7 kg/jam	Stainless steel	1
4.	Storage Etanol	F-114	Silinder tegak	- Volume = 2696,4 - Do = 207,38 in - Di = 190,5 in - Pi = 2,749 psig - Ts = 2/16 in - Ls = 23,8125 in - H = 26,49538 in - Tha = 2/16 in	Iron and steel	1
5.	Pompa Etanol	L-115	Sentrifugal	- P = 1 Hp - Rate = 617,9942 ft ³ /jam	Commercial steel	1
6.	Vaporizer	V-116	Shell & Tube	- Do = 3/4 - Di = 0,083333 - L = 12 ft - Kapasitas = 10253,92 kg/jam	Iron and steel	1
7.	Reaktor	R-110	BAB VI Perancangan Alat Utama Ady Dwi Tegar			
8.	Cooler	E-117	Shell & Tube	- L = 20,00 ft - Pt = 1,25 in - A = 638,1331 in - B = 2 in	Stainless steel	1

9.	Kondensor	E-131	Shell & Tube	- Kapasitas = 10885,65 kg/jam SHELL : - ID _s = 8 in - B = 8 in TUBE : - L = 16 in	Carbon Steel	1
10.	Destilasi	D-130	BAB VI Perancangan Alat Utama Ahmad Nurul Hakim			
11.	Reboiler	E-132	DPHE	- Kapasitas = 4572,521 kg/jam - Do = 2,38 in - Di = 2,067 in	Stainless steel	1
8.	Cooler	E-117	Shell & Tube	- L = 20,00 ft - Pt = 1,25 in - A = 454,775 ft - B = 2 in	Stainless steel	1
12.	Kondensor	E-133	Shell & Tube	- Kapasitas = 6.313,13 kg/jam SHELL : - ID _s = 8 in - B = 16 in TUBE : - L = 16 in	Carbon Steel	1
13.	Akumulator	F-134	Silinder Horizontal	- Volume = 281,0 - Do = 32,00 in - Di = 31,6 in - Ts = 3/14 in - L = 47,4375 in - H = 58,12675 in - Tha = 3/16 in	Stainless steel	1
14.	Cooler	E-135	Shell & Tube	- Kapasitas = 6.313,13 kg/jam SHELL : - ID _s = 15 in - B = 3,05 in TUBE : - L = 20 ft	Stainless steel	1
15.	Penyimpanan sementara	F-136	Silinder Tegak	- Volume = 759,5 - Do = 136,11 in - Di = 2877,0 in - Ts = 2/6 in - L _s = 359,625 in - H = 400,1428 in - Tha = 2/16 in	Iron ad steel	2

16.	Packing Produk	P-137		- Kapasitas mesin = 13920,45 lb/jam - Volume mesin = 224,4004 ft ³ /jam	Stainless steel	1
17.	Gudang Dietil Eter	F-138	Gedung	- Kapasitas = 2560,534 m ³ - Panjang = 26 m - Lebar = 7 m - Tinggi = 12 m	Beton	1

