

**BAB V**  
**SPESIFIKASI PERALATAN**

No.	Nama Alat	Kode	Jenis	Ukuran	Bahan Kontruksi	Jml
1.	Gudang Limestone	F-112	Open Storage	V = 70868,05 ft <sup>3</sup> P = 115,55 ft L = 55,77 ft T = 13,12 ft	Beton	1
2.	Bucket Elevator	C-113	Centrifugal discharge	Kapasitas: 20.035,45 lb/jam L: 7 in V : 272,5 ft/menit Daya motor : 2 Hp	Carbon Steel	1
3.	Tangki Pelarut Limestone	M-120	Silinder tutup bawah standart dished dan tutup atas standart dished dilengkapi pengaduk	Dimensi vessel: do : 52 in di : 53,85 in ts : 0,07 in tha : 0,08 in thb : 0,074 in ha : 9,10 in hb : 11,22 in t : 98,73 in Dimensi pengaduk : di : 18 in zi : 18 in L : 6 in W : 3,06 in	Stainless steel SA 240 Grade M Type 316	1
4.	Pompa rotary	L-123	Rotary Pump	Kapasitas : 33,09 gpm do: 1,9 in di : 1,61 in A : 0,0141 ft <sup>2</sup>	Carbon Steel	1

				Power : 1 Hp		
5.	Tangki Penampung H <sub>2</sub> SO <sub>4</sub>	F-111	Silinder tegak dengan tutup atas standart dished	Vtangki : 14.339 ft <sup>3</sup> D <sub>T</sub> : 269,76 in H : 153,59 in T <sub>s</sub> : 0,1961 in L <sub>s</sub> : 107,90 in t <sub>ha</sub> : 0,08 in	High Alloy Steel SA-240 grade M type 316	1
6.	Pompa sentrifugal	L-112	Sentrifugal Pump	Kapasitas : 33,09 gpm do: 2,375 in di : 2,067 in A : 0,0233 ft <sup>2</sup> Power : Hp	Carbon Steel	1
7.	Tangki Pelarut H <sub>2</sub> SO <sub>4</sub>	M-121	Silinder tutup bawah standart dished dan tutup atas standart dished dilengkapi pengaduk	Dimensi vessel: do : 66 in di : 65,86 in ts : 0,07 in tha : 0,08 in thb : 0,072 in ha : 11,1 in hb : 13,72 in t : 123,02 in Dimensi pengaduk : di : 22 in Zi : 22 in L : L in W : 3,74 in	Stainless steel SA 240 Grade M Type 316	1
8.	Pompa sentrifugal	L-122	Sentrifugal Pump	Kapasitas : 33,76 gpm do: 2,375 in di : 2,067 in A : 0,0233 ft <sup>2</sup> Power : 1 Hp	Carbon Steel	1

9.	<b>Reaktor (R-130), Lihat BAB VI Perancangan Alat Utama Dewi Anisatul Fitria NIM. 19.14.001</b>					
11.	Pompa Rotary	L-131	Roatry Pump	Kapasitas : 105,21 gpm do: 3,5 in di : 3,09 in A : 0,0513 ft <sup>2</sup> Power : 3 Hp	Carbon Steel	1
12.	Rotary Filter	H-140	Recyprocoa ting pusher, single stage with cyclinder screen	D : 40 in n : 1200 rpm Power : 13 Hp	Recyproco ating pusher, single stage with cyclinder screen	1
12.	Pompa sentrifugal	L-141	Sentrifugal Pump	Kapasitas : 57,53 gpm do: 3,5 in di : 3,09 in A : 0,0513 ft <sup>2</sup> Power : 2 Hp	Carbon Steel	1
13.	Screw Conveyor	J-142	Vertical Screw Conveyor	T : 16,40 ft P : 32,81 ft Power : 14 Hp	Carbon Steel	1
14.	<b>Rotary Dryer (B-150), Lihat BAB VI Perancangan Alat Utama Muhammad Nasrul NIM. 19.14.042</b>					
15.	Cyclone	H-151	Duclone collector	Dc : 2,016 ft He : 2,016 ft Le : 8,062 ft Sc : 0,504 ft Zc : 8,062 ft Jc : 1,008 ft	Carbon Steel	1

16.	Heater	E-145	1-2 exchanger shell and tube	Bagian shell ID : 19 in B : 10 Bagian Tube I : 16 ft OD : 1 in	Carbon Steel	1
17.	Kompresor	G-144	Centrifugal kompresor	Volumetrik : 127,8 ft <sup>3</sup> /menit Power : 1 Hp	Carbon Steel	
18.	Filter Udara	H-143	Dry filter	Kapasitas : 1000 ft <sup>3</sup> / menit Rate V udara: 0,13 ft <sup>3</sup> /menit Ukuran dry filter : 38 x 15 ft	Carbon Steel	1
19.	Belt Conveyor	J-152	Troughed beld with idlers	Kapasitas : 27.836,1 lb/jam P : 164 ft L : 1,2 ft Kecepatan : 39,46 ft/menit Power : 1 HP	Rubber	1
20.	Bucket Elevator	J-153	Centrifugal discharge	Kapasitas : 33.403 lb/jam L : 7 in Kecepatan : 437,33 ft/menit Power 3 HP	Carbon Steel	1
21.	Hammer Mill	C-154	Hammer Mill	Kapasitas : 27.836 lb/jam Power : 106 HP	High allow steel	1

22.	Silo	F-155		Di : 29,63 in Thb : 3/16 in Ts : 3/16 in Tinggi tutup bawah 2,31 in Tinggi : 31,9 in	Carbon Steel	1
23.	Mesin packaging	F-156		Kapasitas : 55.672,2 lb/jam Kapasitas mesin : 55.672 lb Volume mesin : 340,96 ft <sup>3</sup>	Carbon Steel	1
24.	Gudang Produk	F-157		Kapasitas : 163.741 ft <sup>3</sup> P : 111,7 ft L : 55,85 ft T : 26,25 ft	Beton	1