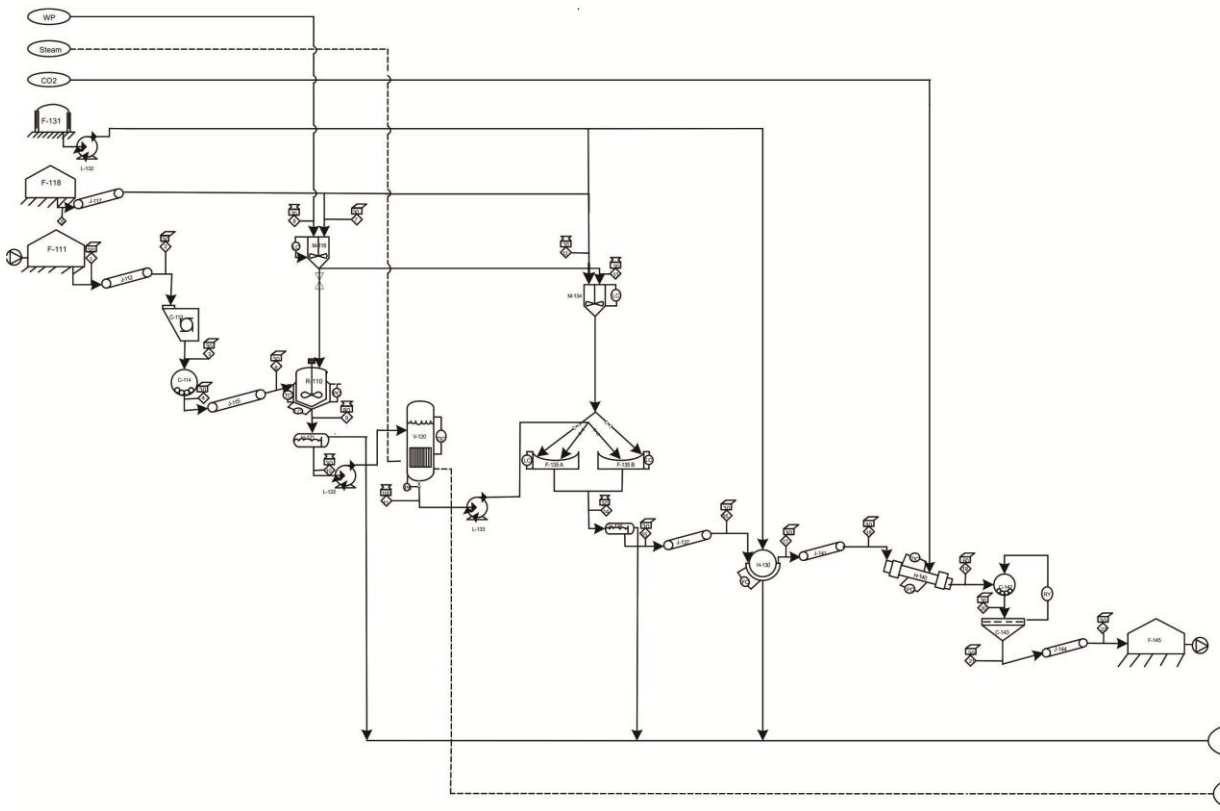
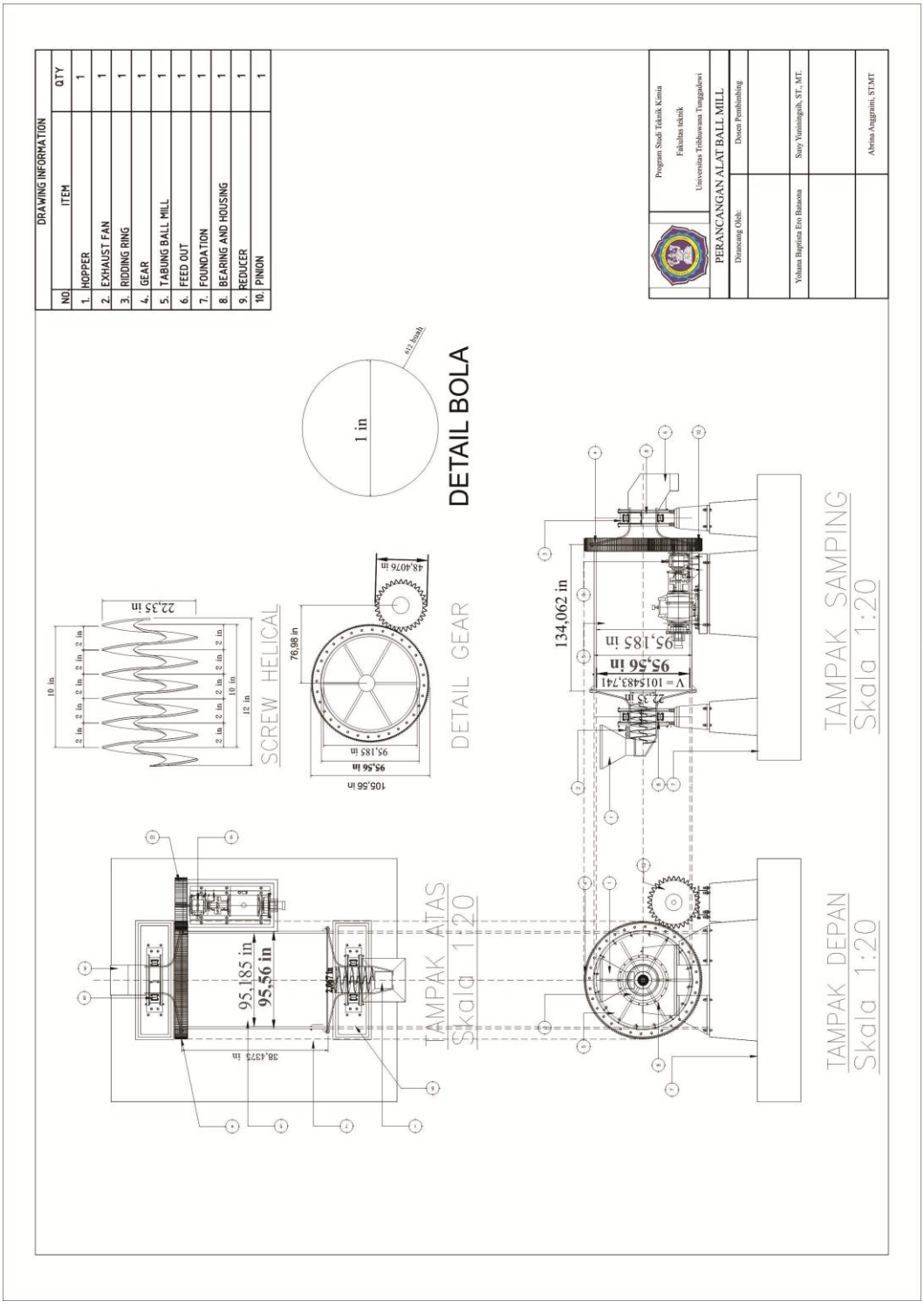


12		Temperatur Indicator Control
11		Temperatur Indicator
10		Temperatur Control
9		Level Control
8		Water Process
7		Liquid Flow
6		Solid Flow
4		Temperatur
3		Nomor Aliran
2	SIMBOL	KETERANGAN

28	F-145	Storage Produk
27	J-144	Belt Conveyor
26	C-143	Vibrating Sceneer 100 mesh
25	C-142	Ball Mill
24	H-140	Rotary Dryer
22	J-141	Belt Conveyor
21	H-130	Washing Tank
20	J-137	Belt Conveyor
19	H-136	Decanter
18	F-135 B	Sedimentation Tank B
17	F-135 A	Sedimentation Tank A
16	M-134	Mixer
15	L-133	Pompa
14	J-132	Pompa
13	F-131	Storage Alkohol
12	V-120	Evaporator
11	L-122	Pompa
10	H-121	Decanter
9	R-110	Reaktor
8	F-118	Storage Asam sitrat
7	J-117	Belt Conveyor Asam sitrat
6	M-116	Mixer
5	J-115	Belt Conceyor
4	C-114	Ball mill
3	C-113	Rotary Cuterr
2	J-112	Belt Conveyor
1	F-111	Storage Bahan Baku
NO	KODE	NAMA ALAT

Komponen	Nomor 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
Likopen	8012,7816	8012,7816	7932,6538	7813,6639				7735,5273	7896,8496													
Protopektin(selulosa)	14568,694	14568,694	14423,007	14206,662				14064,595	4618,1098													
Hemiselulosa	9105,4336	9105,4336	9014,3793	8879,1636				8799,3719														
Vitamin C	4734,8255	4734,8255	4687,4772	4617,1651				4570,9934	4548,1384													
Asam sitrat					13476,04		13408,66	52742,31					1456,8694									
Alkohol												35693,3					34254,641	34083,37				
H2O						134780,4173		134086,61		130747,9												
CO2																		37,8				
C6H10O7										11003,68	10893,642			10730,237	10676,586	10623,203	10516,971	10464,39	10397,3165	10293,19	10138,8	10138,8
C6H8O5																						
Larutan alkohol asam														36226,987								
Total	36.421,7347	36.421,7347	36.097,5173	35.516,6548	13476,04	134780,4173	13408,66	169.248,1028	16.863,097	141.751,58	10893,642	35693,3	1456,8694	46.957,224	10676,586	10623,203	44.771,61	44.585,56	10397,3165	10293,19	10138,8	10138,8

PROGRAM STUDI TEKNIK KIMIA FAKULTAS EKNIK UNIVERSITAS TRIBHUWANA TUNGGADEWI MALANG	
PRA RANCANG BANGUN PABRIK PEKTIN DARI KULIT JERUK BALI DENGAN KAPASITAS 73.000 TON/TAHUN	
Dirancang Oleh	Dosen Pembimbing
Yohana Baptista Ero Bataona	S. P. Abrina Anggraini, ST., MT
Maria Susandriatix Yunita Dua Iku	Susy Yuniningsih, ST., MT


DRAWING INFORMATION
NO. ITEM QTY
1. HOPPER 1
2. EXHAUST FAN 1
3. RIDDING RING 1
4. GEAR 1
5. TABUNG BALL MILL 1
6. FEED OUT 1
7. FOUNDATION 1
8. BEARING AND HOUSING 1
9. REDUCER 1
10. PINION 1
Program Studi Teknik Kimia
Fakultas teknik
Universitas Tribhuwana Tunggadewi
PERANCANGAN ALAT BALL MILL
Dimasing Oleh: Dosen Pembimbing
Yohana Baptista Ero Banaosa
Susy Yuniningsih, ST, MT
Abrina Anggraini, ST.MT
DETAIL BOLA
1 in
DETAIL GEAR
SCREW HELICAL
TAMPAK ATAS
Skala 1:20
TAMPAK DEPAN
Skala 1:20
TAMPAK SAMPING
Skala 1:20
95,185 in
95,56 in
134,062 in
22,35 in
10 in
12 in
76,98 in
48,4076 in
105,56 in