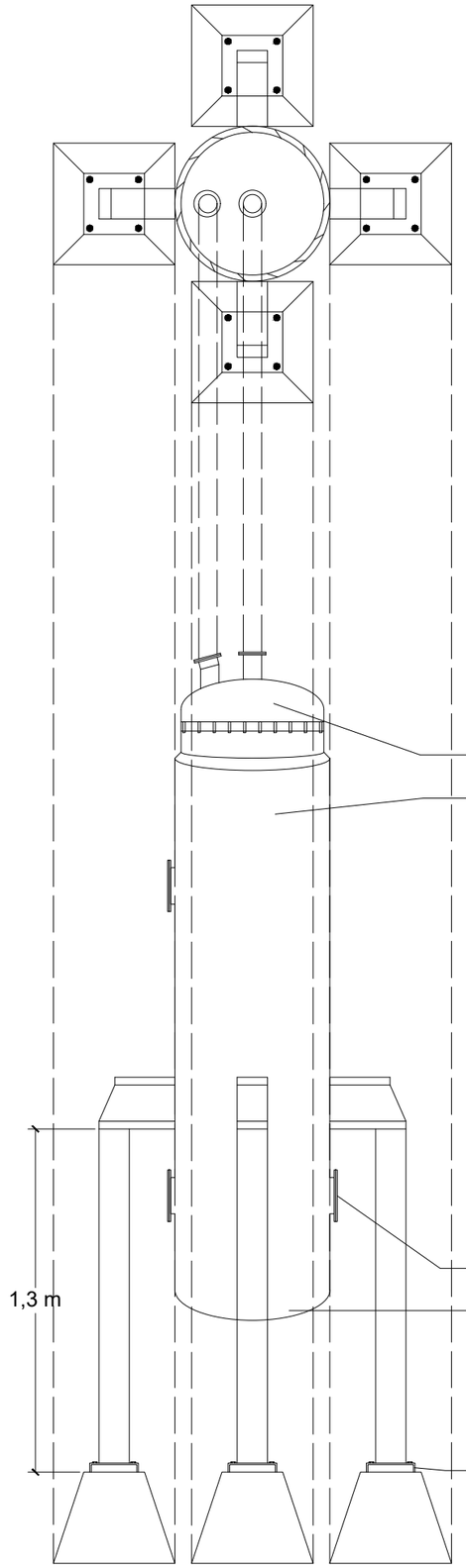
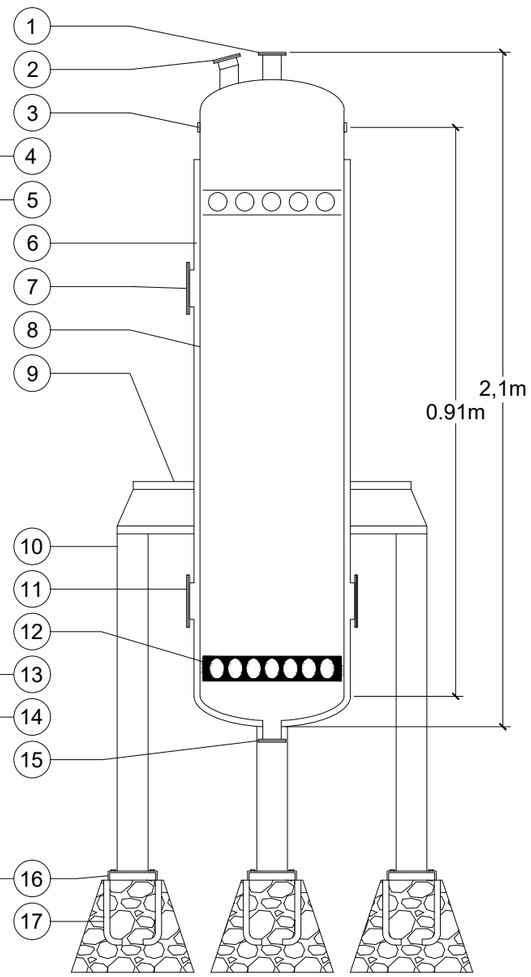
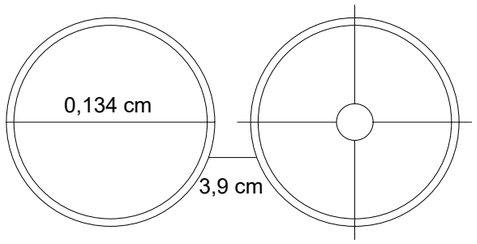


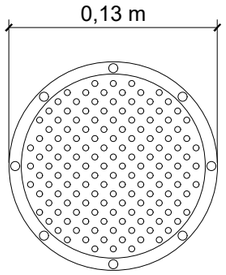
TAMPAK DEPAN
SKALA 1 : 100



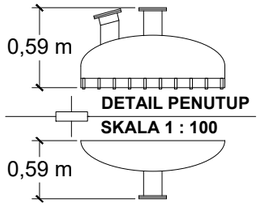
POTONGAN MEMBUJUR
SKALA 1 : 100



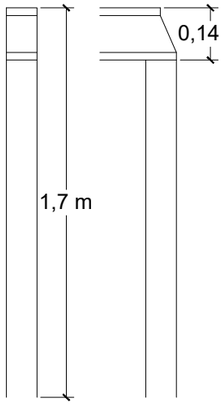
DETAIL LUBANG ORIFICE
SKALA 1 : 100



DETAIL PERFORATED PLATE
SKALA 1 : 100

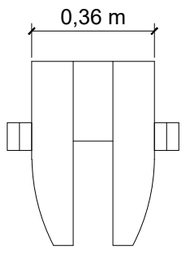


DETAIL PENUTUP
SKALA 1 : 100

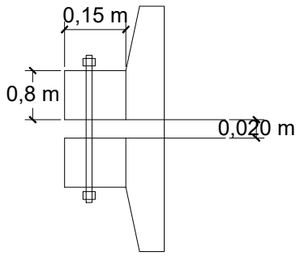


DETAIL PENYANGGA
SKALA 1 : 100

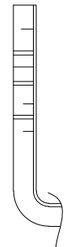
DETAIL LUG DAN GUSSET
SKALA 1 : 100



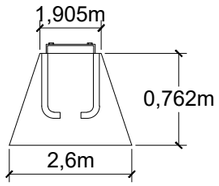
DETAIL NOZZLE
SKALA 1 : 100



DETAIL FLANGE
SKALA 1 : 100

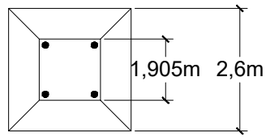


DETAIL JACKET
SKALA 1 : 100



TAMPAK DEPAN

DETAIL PONDASI
SKALA 1 : 100



TAMPAK ATAS

DETAIL PONDASI
SKALA 1 : 100

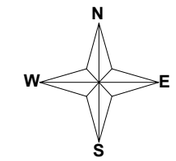
NO	KETERANGAN
1	NOZZLE KELUAR AMONIA
2	NOZZLE MASUK ASAM SULFAT
3	FLANGE DAN BAUT
4	TUTUP ATAS
5	SILINDER
6	JACKET PENDINGIN
7	NOZZLE COOLING TOWER WATER
8	SHELL
9	LUG DAN GUSSET
10	KOLOM PENYANGGA
11	NOZZLE COOLING TOWER WATER RECYCLE
12	PERFORATED PLATE
13	NOZZLE PENGELUARAN PRODUK
14	TUTUP BAWAH
15	NOZZLE MASUK AMONIA
16	BASE PLATE
17	PONDASI

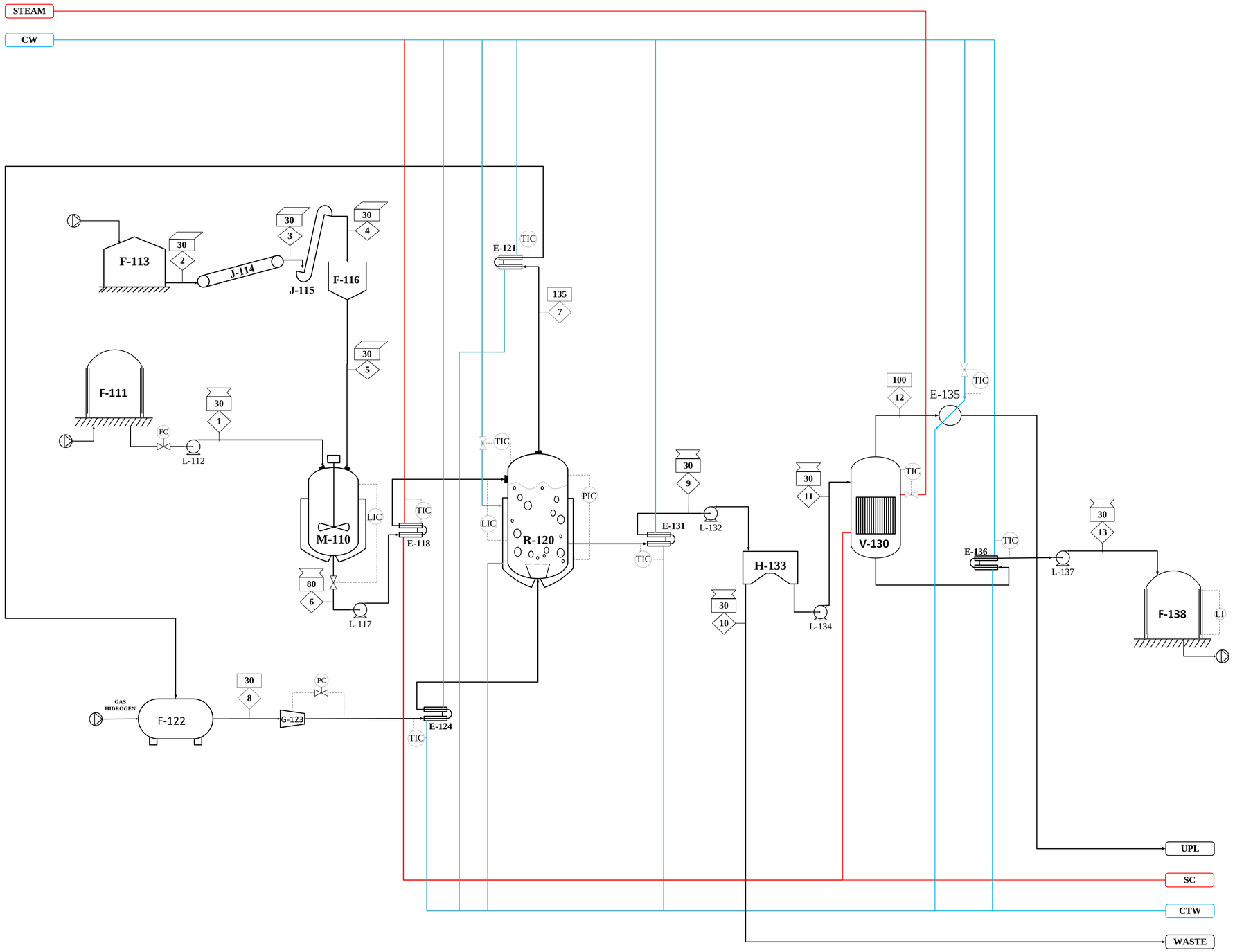
PROGRAM STUDI TEKNIK KIMIA

FAKULTAS TEKNIK
UNIVERSITAS TRIBHUWANA TUNGGADEWI
MALANG

REAKTOR HIDROLISIS
BUBBLE REACTOR

SKALA 1 : 100





No.	Simbol	Keterangan
13	PIC	Pressure Indicator Controller
12	TIC	Temperature Indicator Controller
11	LIC	Level Indikator Controller
10	CTWR	Cooling Tower Water Return
9	Waste	Waste
8	SC	Steam Condensate
7	S	Steam
6	UPL	Unit Pengelola Limbah
5	CW	Cooling Water
4		Mass Flow
3		Liquid Flow
2		Temperature
1		Nomor Aliran

No.	Kode	Nama Alat	Jumlah
23	F-138	Storage Sorbitol	1
22	L-137	Pompa ke Storage Sorbitol	1
21	E-136	Cooler IV	1
20	E-135	Kondensor	1
19	V-130	Evaporator	1
18	L-134	Pompa ke Evaporator	1
17	H-133	Decanter	1
16	L-132	Pompa ke Decanter	1
15	E-131	Cooler III	1
14	E-124	Cooler II	1
13	G-123	Kompresor	1
12	F-122	Tangki Gas Hidrogen	1
11	E-121	Cooler I	1
10	R-120	Reaktor Gelombang	1
9	E-118	Heater	1
8	L-117	Pompa Ke Reaktor Gelembung	1
7	F-116	Hopper	1
6	J-115	Bucket Elevator	1
5	J-114	Belt Conveyor	1
4	F-113	Storage Raney Nickel	1
3	M-110	Tangki Pencampur	1
2	L-112	Pompa ke Tangki Pencampur	1
1	F-111	Storage Glukosa	1

No	Nomor Aliran Massa (Kg/Jam)												
Komponen	1	2	3	4	5	6	7	8	9	10	11	12	13
Glukosa	3157,1433					3141,1981			92,9147	1,8313	89,7344		88,0295
H2O	3157,1433					3141,1981			3081,5154	60,7355	2976,0402	1653,2137	1266,2817
Nikel		62,5114	61,8863	61,2675	61,0818	62,1957			61,0140	60,1282			
H2							6160,9347	6314,2866					
Sorbitol									3037,6233	59,8704	2933,6505		2877,9111
Total	**6314,2866**	**62,5114**	**61,8863**	**61,2675**	**61,0818**	**6344,5920**	**6160,9347**	**6314,2866**	**6273,0674**	**182,5654**	**5999,4250**	**1653,2137**	**4232,2222**

PROGRAM STUDI TEKNIK KIMIA
FAKULTAS TEKNIK
UNIVERSITAS TRIBHUWANA TUNGGADEWI MALANG

PRARANCANG PABRIK SORBITOL DARI GLUKOSA DENGAN PROSES HIDROGENASI KATALITIK KAPASITAS 30.472 TON/TAHUN

DIRANCANG OLEH :	DOSEN PEMBIMBING :
	S. P. ABRINA ANGGRAINI, S.T.,M.T NIDN. 0705107401
ALVA NUR MADINAH NIM. 2019510028	AYU CHANDRA K. F., S.T.,M.T NIDN. 0021068504