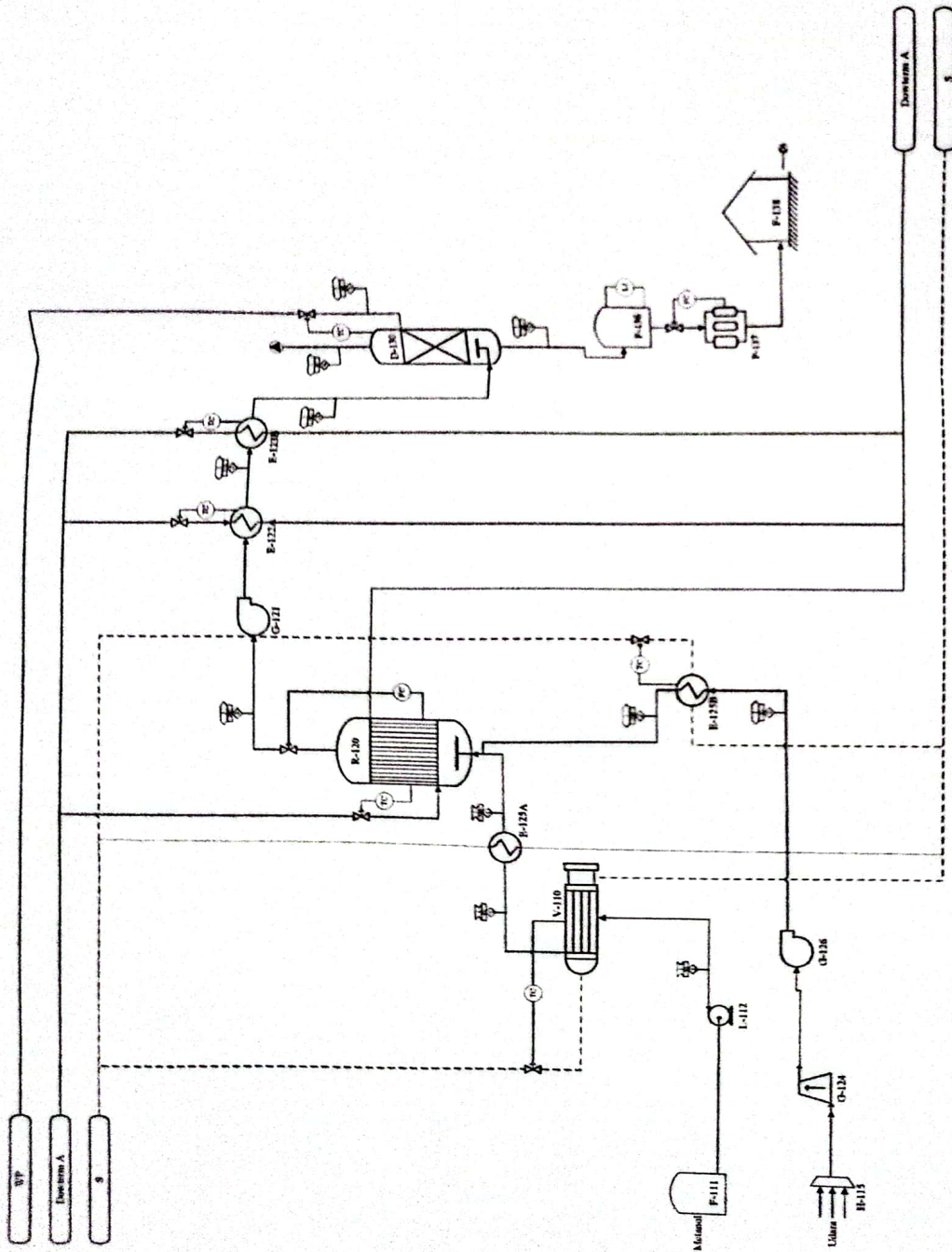


12	Temperature Control
11	Level Indicator
10	Flow Rate Control
9	Cooling Tower Water Return
8	Cooling Tower Water
7	Water Process
6	Steam Condensat
5	Steam
4	Gas Flow
3	Liquid Flow
2	Temperature
1	Number Stream
No	Simbol
	Keterangan

17	F-138	GUDANG PRODUK	1
16	P-137	MESIN PACKING	1
15	F-136	FORMALDEHID TANK	1
14	D-130	ABSORBER	1
13	E-123	COOLER II	1
12	E-122	COOLER I	1
11	G-121	BLOWER II	1
10	R-120	REAKTOR	1
9	G-124	KOMPRESOR	1
8	E-125A	HEATER METANOL	1
7	E-125	HEATER UDARA	1
6	G-126	BLOWER I	1
5	H-115	FILTER AIR	1
4	E-124	HEATER METANOL	1
3	V-110	VAPORIZER	1
2	P-112	POMPA METANOL	1
1	F-111	METANOL TANK	1
NO	KODE	NAMA ALAT	JUMLAH



PROGRAM STUDI TEKNIK KIMIA  
 FAKULTAS TEKNOLOGI INDUSTRI  
 INSTITUT TEKNOLOGI NASIONAL MALANG  
 FLOW SHEET PRA RENCANA PABRIK FORMALDEHID DARI METANOL  
 UDARA DENGAN PROSES KATALIS BESI OKSIDA  
 KAPASITAS 50.000 TON/TAHUN  
 DIRANCANG OLEH  
*Raden Asri Maulana*  
 RADEN ASRI MAULANA 20.14.011  
 CLARA AFRANCY DEY 20.14.017  
 DOSEN PEMBIMBING  
*Faidiyah Nuzuliyah, S.T.M.I.*  
 FAIDILYAH NUZULIYAH, S.T.M.I.  
 NIP. 8030400392

NO	Komponen	Neraca Massa (kg/jam)					
		1	2	3	4	5	6
1	CH <sub>3</sub> OH	2516.75					
2	H <sub>2</sub> O	25.4217		1426.937	2525.168	3952.104	
3	O <sub>2</sub>		1258.375				
4	N <sub>2</sub>		4100.729	4100.729	4100.729		
5	CH <sub>2</sub> O			2335.858			2335.858
6	O <sub>2</sub> sisa			12.5837	12.5837		
7	CH <sub>3</sub> OH sisa			25.1675	25.1675		25.1675
	Jumlah	2542.17	5359.1034	7901.2746	4113.3124	2525.168	6313.13