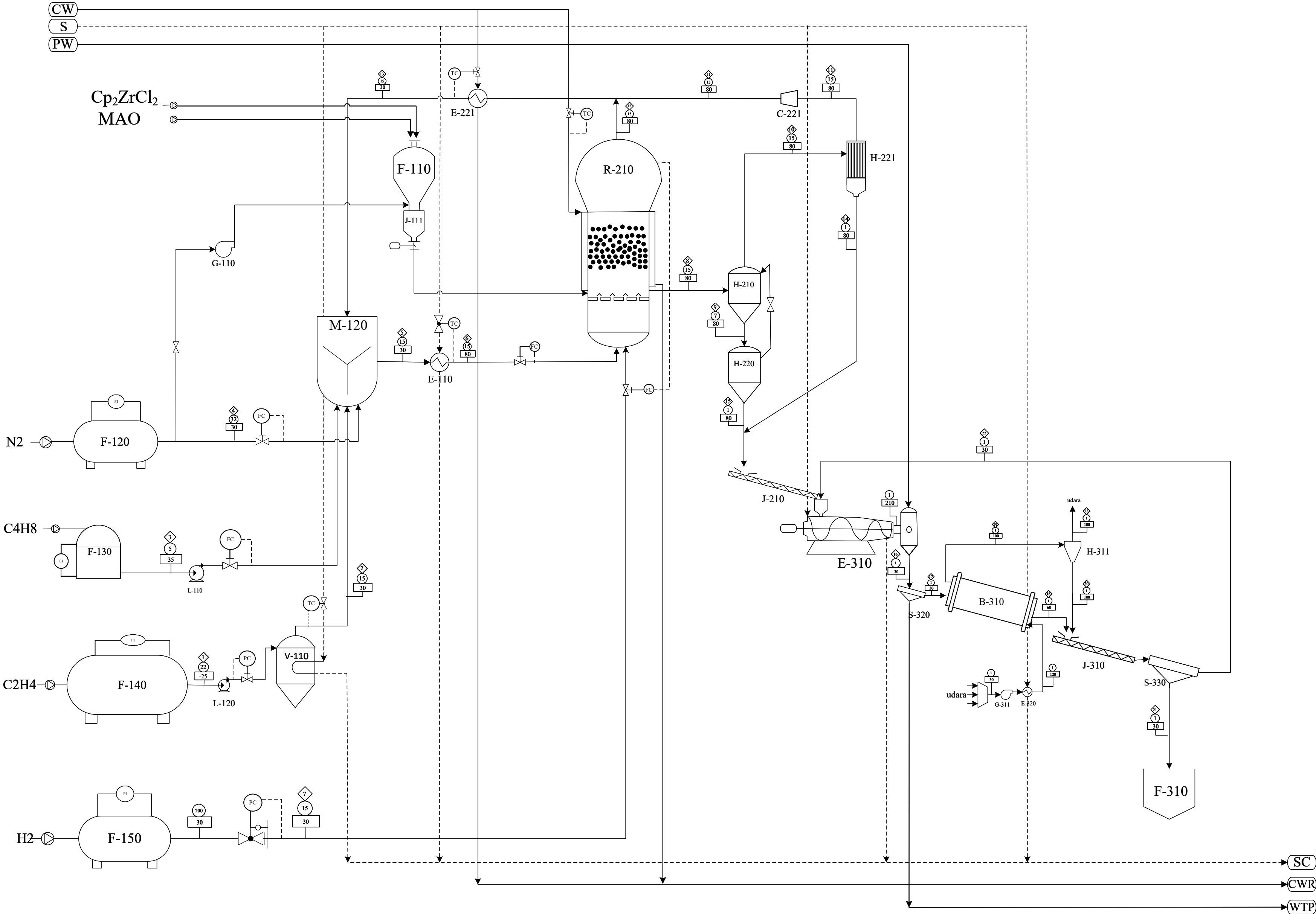


PABRIK METALLOCENE LINEAR LOW-DENSITY POLYETHYLENE (MLLDPE) DENGAN POLIMERISASI FASE GAS



27	F-310	Silo Produk
26	S-330	Screener-2
25	J-310	Screw Conveyor - 2
24	H-311	Cyclone-2
23	E-320	Heat Exchanger - 2
22	G-311	Blower udara
21	B-310	Rotary Dryer
20	S-320	Screener-1
19	E-310	Extruder Pelletizer
18	J-210	Screw Conveyor - 1
17	E-221	Cooler Recycle
16	C-221	Kompresor Recycle
15	H-221	Bag Filter
14	H-210	Product Chamber-1
13	R-210	Reaktor Fluidized Bed
12	E-110	Heat Exchanger - 1
11	M-110	Mixer
10	V-110	Vaporizer
9	L-120	Pompa-2
8	L-110	Pompa-1
7	F-150	Tangki 1-Butena
6	F-140	Tangki Etilen
5	F-130	Tangki Hidrogen
4	F-120	Tangki Nitrogen
3	G-110	Blower - 1
2	J-111	Pneumatic Conveyor
1	F-110	Silo Katalis Metallocene
NO	KODE	NAMA ALAT

DIGAMBAR OLEH	
Evlyansa Bunga Rizka Ananda (21031010172)	
DOSEN PEMBIMBING	
Ic. Sutiyono, MT. NIP. 19600713 198703 1 001	Renova Panjaitan, ST, MT. NIP. 19950623 202406 2 003
FLOWSHEET PRA RANCANGAN PABRIK METALLOCENE LOW-DENSITY POLYETYLENE (MLLDPE) DENGAN POLIMERISASI FASE GAS	
PROGRAM STUDI TEKNIK KIMIA FAKULTAS TEKNIK DAN SAINS UNIVERSITAS PEMBANGUNAN NASIONAL "VETERAN" JAWA TIMUR 2025	

Aliran Komponen	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	23
C ₂ H ₄ (l)	9010,6615																						
C ₂ H ₄ (g)	9010,6615	9010,6615			9197,8076	9197,8076		18,3956		18,3956	18,3956	165,5605	183,9561										
H ₂ (g)							3,0331																
C ₄ H ₈ (g)			450,6861		900,4176	900,4176		44,9579		44,9579	44,9579	404,6210	449,7315										
(C ₂ H ₄) _n (s)								9017,8388	8566,9469	450,8919				450,8919	8566,9469	9017,8388	8927,6604	8838,3838	89,2766	89,2766	8838,3838	89,2766	
N ₂ (g)				250,4955	500,9910	500,9910		25,0496		25,0496	25,0496	225,4460	250,4955										
H ₂ O (l)																	1159,7045						
H ₂ O (g)																							1159,7045
Total	9010,6615	9010,6615	450,6861	250,4955	10598,9106	10598,9106	3,0331	9106,2418	9912,8657	539,2950	88,4031	795,6275	866,5519	450,8919	8566,9469	9017,8388	10203,3353	8838,3838	89,2766	89,2766	8838,3838	89,2766	1275,6749