

**FLWSHEET PABRIK CARBON BLACK DARI RESIDUAL OIL DENGAN PROSES OIL FURNACE**

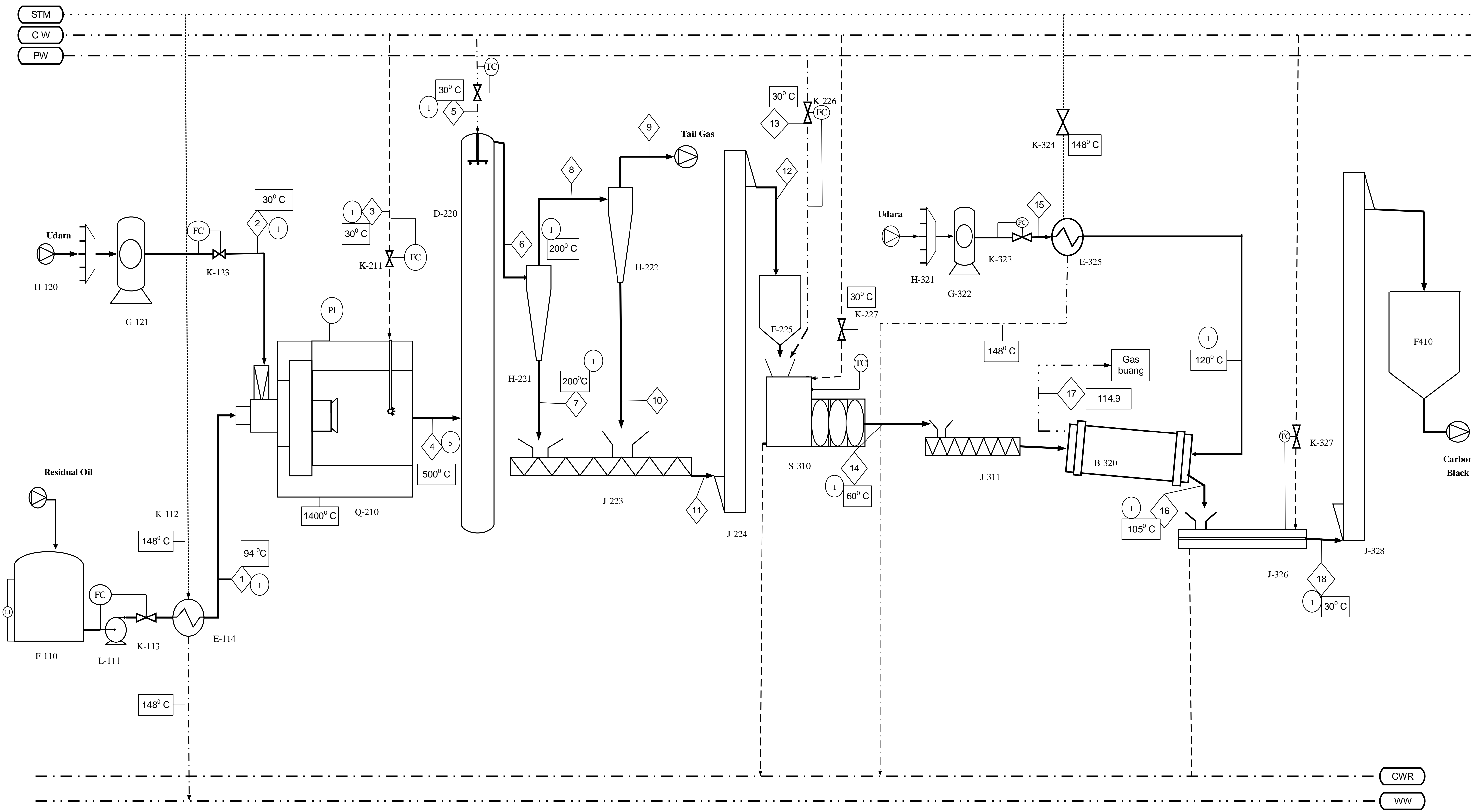
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<b>FLWSHEET PABRIK CARBON BLACK DARI RESIDUAL OIL DENGAN PROSES OIL FURNACE</b>	
<b>PROGRAM STUDI TEKNIK KIMIA FAKULTAS TEKNIK UNIVERSITAS PEMBANGUNAN NASIONAL "VETERAN" JAWA TIMUR 2019</b>	



**KETERANGAN :**

	Temperatur ; °C
	Aliran Massa ; kg/jam
	Tekanan ; atm
	STM Steam (148 °C ; 4,5 atm)
	CW Cooling Water
	CWR Cooling Water Return
	PW Process Water

No	Kode	Nama Alat
1	F-110	Storage Tank
2	L-111	Pompa -1
3	K-112	Valve-1
4	E-113	Valve-2
5	K-114	Heater -1
6	H-120	Filter Udara
7	G-121	Turbo Blower
8	K-123	Valve -3
9	Q-210	Reaktor Furnace
10	D-220	Quenching Tower
11	H-221	Cyclone -1
12	H-222	Cyclone -2
13	J-223	Screw Conveyor
14	J-224	Bucket Elevator -1
15	F-225	Bin
16	K-226	Valve-4
17	K-227	Valve-5
18	S-310	Pelletizer
19	J-311	Screw Conveyor
20	B-320	Rotary Dryer
21	H-321	Filter Udara
22	G-322	Turbo Blower
23	K-323	Valve-6
24	K-324	Valve-7
25	E-325	Heater-2
26	J-326	Cooling Conveyor
27	K-327	Valve-8
28	J-328	Bucket Elevator -2
29	F-410	Silo



Komponen	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C <sub>20</sub> H <sub>42</sub>	18882.0018																	
O <sub>2</sub>		44111.5702		14666.0927		14666.0927		14666.0927	14666.0927						4847.0149		4847.0149	
N <sub>2</sub>		145200.585		145253.455		145253.455		145253.455	145253.455						15814.493		15814.4933	
H <sub>2</sub> O			100970.036	112359.499	110996.760	223356.259		223356.259	223356.259				3787.5000	3787.5000		26.5125	3760.9875	26.5125
C				8838.3838		8838.3838	8750.0000	87.500	0.8838	87.5000	8837.5000	8837.5000		8837.5000	8837.5000			8837.5000
S				317.2176		317.2176		317.2176	317.2176									
CO <sub>2</sub>				26182.8283		26182.8283		26182.8283	26182.8283									
H <sub>2</sub>				1546.7172		1546.7172		1546.7172	1546.7172									
Total	18882.0018	189312.156	100970.036	309164.194	110996.760	420160.954	8750.0000	411410.070	411323.454	87.5000	8837.5	8837.5	3787.5000	12625.0000	20661.508	8864.0125	24422.4957	8864.0125

