LAMPIRAN

Perhitungan neraca massa dilakukan dalam keadaan ideal/proses operasi dalam keadaan normal, banyaknya produk yang dihasilkan diperoleh dari *assay* yang diberikan ataupun dari perhitungan ASTM D86 yang telah dilakukan oleh laboratorium PT. TPPI. Selain itu digunakan estimasi yield dari perhitungan grafik yang telah dijelaskan di **BAB II.2.5.3 Yield Unit 203**. Diperoleh hasil sebagai berikut :

1. Neraca Massa Unit 201 (*Prefractionation*)

Precut Column (201-C-001)

Input			Output		
Condensate	=	268,81 Ton/hr	Overhead Product		
			Unstabil LN	=	76,6 Ton/hr
			Bottom Product		
			Heavy Naptha	=	149,0 Ton/hr
			Diesel Oil	=	16,3 Ton/hr
			Kerosene	=	20,9 Ton/hr
			PTCF	=	6,1 Ton/hr
Total	=	268,81 Ton/hr			268,81 Ton/hr

Condensate Splitter (201-C-002)

Input			Output		
			Overhead Product		
Heavy Naptha	=	148,98 Ton/hr	Heavy Naptha	=	149,0 Ton/hr
Diesel Oil	=	16,3	Bottom Product		
Kerosene	=	20,9	Gas Oil	=	37,2 Ton/hr
PTCF	=	6,1	PTCF	=	6,1 Ton/hr
Total	=	192,23 Ton/hr			192,23 Ton/hr

*) Gas Oil = Kero + Gas Oil

LN Stabilizer (201-C-003)

Input			Output		
Unstabil LN	=	76,58 Ton/hr	Overhead Product		
			LPG	=	10,0 Ton/hr
			Bottom Product		
			LVN	=	66,6 Ton/hr
Total	=	76,58 Ton/hr			76,58 Ton/hr

2. Neraca Massa Unit 202 (NHT)

Asumsi Feed masuk NHT = Feed keluar NHT (Mengabaikan berat pengotor yang bereaksi)

Input			Output		
Heavy Naptha	=	148,98 Ton/hr	Sweet Naptha	=	149,0 Ton/hr
Total	=	148,98 Ton/hr			148,98 Ton/hr

3. Neraca Massa Unit 203 (*Platforming*)

Platforming Reactor (203-R-001/002/003/004)

Input			Output		
Sweet Naptha	=	148,98 Ton/hr	Heavy Aro	=	0,8 Ton/hr
			Raffinate	=	28,3 Ton/hr
			Benzene	=	13,9 Ton/hr
			Xylene	=	28,3 Ton/hr
			Toluene	=	32,1 Ton/hr
			C_9	=	25,6 Ton/hr
			Debut OG	=	4,0 Ton/hr
			Platformer OG	=	16,0 Ton/hr
Total	=	148,98 Ton/hr			148,98 Ton/hr