

BAB XI

KESIMPULAN DAN SARAN

11.1 Kesimpulan

Berdasarkan uraian dan hasil perhitungan dari bab – bab sebelumnya pada Pra Rancangan Pabrik Naphtha low sulfur dengan Kapasitas Bahan Baku 45.000 ton/tahun dapat disimpulkan sebagai berikut:

1. Pra Rancangan Pabrik Naphtha low sulfur dengan Kapasitas Bahan Baku 45.000 ton/tahun direncanakan untuk memenuhi kebutuhan dalam negeri.
2. Dari analisa teknis dan ekonomi yang dilakukan, maka Pabrik Naphtha low sulfur dengan Kapasitas Bahan Baku 45.000 ton/tahun layak didirikan di Kota Balikpapan, Provinsi Kalimantan Timur.
3. Pra Rancangan Pabrik Naphtha low sulfur dengan Kapasitas Bahan Baku 45.000 ton/tahun merupakan perusahaan berbentuk Perseroan Terbatas (PT) dengan struktur organisasi *line and staff* dengan jumlah tenaga kerja 126 orang yang terdiri dari 70 karyawan *shift* dan 56 orang karyawan *non shift*.
4. Dari perhitungan analisa ekonomi, maka Pabrik Naphtha low sulfur dengan Kapasitas Bahan Baku 45.000 ton/tahun ini layak didirikan dengan :

- *Fixed Capital Investment (FCI)* = US\$ 26.054.583
= Rp 424.883.805.724
- *Working Capital Investment (WCI)* = US\$ 4.597.868
= Rp 74.979.495.128
- *Total Capital Investment (TCI)* = US\$ 30.652.450
= Rp 499.863.300.852
- *Total Sales (TS)* = US\$ 110.378.660
= Rp 1.800.000.000.000

- *Rate of Return (ROR)* = 69,4 %.
- *Pay of Time (POT)* = 1 Tahun 9 Bulan
- *Break Event Point (BEP)* = 33,8%

11.2 Saran

Berdasarkan pertimbangan dari analisa ekonomi yang telah dilakukan Pabrik Naphtha low sulfur dengan Kapasitas Bahan Baku 45.000 ton/tahun ini layak untuk dilanjutkan ke tahap rancangan. Untuk itu disarankan kepada pengurus dan pemilik modal untuk dapat mempertimbangkan dan mengkaji ulang tentang pendirian ini.

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