

BAB XI KESIMPULAN DAN SARAN

11.1 Kesimpulan

Berdasarkan perhitungan prarancangan pabrik Gliserol Monooleat dengan menggunakan bahan baku gliserol dan asam oleat dengan metode estserifikasi dapat kami berikan kesimpulan sebagai berikut:

1. Prarancangan pabrik Gliserol Monooleat dengan kapasitas 25.000 ton/tahun direncanakan dibangun pada tahun 2030 ini untuk memenuhi kebutuhan nasional dan internasional sebagai upaya untuk memberikan devisa bagi negeri dengan melakukan *trade market global*.
2. Dari analisa teknis dan ekonomi Prarancangan pabrik pada bab-bab sebelumnya dapat dinyatakan pendirian pabrik Gliserol Monooleat dengan bahan baku gliserol dan asam oleat berkapasitas 25.000 ton/tahun layak didirikan di area Dumai-Riau.
3. Dari Perhitungan Analisa Ekonomi, maka pabrik Gliserol Monooleat layak didirikan dengan:

- Fixed Capital Investment (FCI) = Rp488.753.347.969
- Workin Capital Investment (WCI) = Rp86.250.590.818
- Total Capital Investment (TCI) = Rp575.003.938.788
- Total Sales (TS) = Rp1.701.812.019.185
- Return Of Investment (ROI) = 59,87 %
- Rate of Return (ROR) = 61,94%
- Pay Of Time (POT) = 1 tahun 8 bulan
- Break Even Point (BEP) = 40%

11.2 Saran

Berdasarkan pertimbangan dari aspek teknis dan analisa ekonomi pabrik yang telah dilakukan pada pabrik Gliserol Monooleat dengan bahan baku gliserol ini layak dipertimbangan untuk didirikan di area Dumai-Riau. Seiring dengan kecenderungan meningkatnya harga peralatan dan biaya investasi dari tahun ke tahun, disarankan kepada pihak pemilik modal dan investor untuk segera merealisasikan pendirian pabrik Gliserol Monooleat sesuai dengan asumsi waktu dan kondisi yang digunakan dalam tahap pra-rancangan.

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