

## **BAB XI**

### **KESIMPULAN DAN SARAN**

#### **11.1 Kesimpulan**

Berdasarkan uraian dan hasil perhitungan dari bab–bab sebelumnya pada pra rancangan pabrik *Precipitated Calcium Carbonate* (PCC) *aragonite* dengan kapasitas 180.000 ton/tahun dapat disimpulkan sebagai berikut :

1. Pra Rancangan Pabrik *Precipitated Calcium Carbonate* (PCC) *aragonite* dengan Kapasitas Produksi 180.000 ton/tahun direncanakan untuk memenuhi kebutuhan dalam negeri dan sebagian diekspor.
2. Dari analisa teknis dan ekonomi yang dilakukan, maka Pabrik *Precipitated Calcium Carbonate* (PCC) *aragonite* dengan Kapasitas Produksi 180.000 ton/tahun layak didirikan di Cidahu, Subang, Jawa Barat.
3. Pra Rancangan Pabrik *Precipitated Calcium Carbonate* (PCC) *aragonite* merupakan perusahaan berbentuk Perseroan Terbatas (PT) dengan struktur organisasi *line* dengan jumlah tenaga kerja 135 orang yang terdiri dari 72 karyawan *shift* dan 63 orang karyawan *non shift*.
4. Dari perhitungan analisa ekonomi, maka Pabrik *Precipitated Calcium Carbonate* dari kapur tohor ini layak didirikan dengan :
  - *Fixed Capital Investment (FCI)* = US\$ 27.246.720  
= Rp 407.794.846.499
  - *Working Capital Investment (WCI)* = US\$ 4.808.245  
= Rp 71.963.796.441
  - *Total Capital Investment (TCI)* = US\$ 32.054.965  
= Rp 479.758.642.940
  - *Total Sales (TS)* = US\$ 316.800.000  
= Rp 4.741.466.400.000
  - *Rate of Return (ROR)* = 69,45%.
  - *Pay off Time (POT)* = 2,5 tahun
  - *Break Event Point (BEP)* = 57,3 %

## 11.2 Saran

Berdasarkan pertimbangan dari analisa ekonomi yang telah dilakukan pabrik *Precipitated Calcium Carbonate* (PCC) *aragonite* dengan kapasitas 180.000 ton/tahun layak untuk dilanjutkan ke tahap rancangan. Untuk itu disarankan kepada pengurus dan pemilik modal untuk dapat mempertimbangkan dan mengkaji ulang tentang pendirian pabrik *Precipitated Calcium Carbonate* (PCC) *aragonite* dengan kapasitas 180.000 ton/tahun ini.

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