

## **BAB 5**

### **KESIMPULAN DAN SARAN**

#### **5.1. Kesimpulan**

Kesimpulan yang diperoleh dari penelitian ini adalah.

1. Semakin meningkat temperatur reaktor, maka konversi reaksi pada produksi biodiesel menjadi meningkat.
2. Semakin meningkat rasio molar, maka konversi reaksi pada produksi biodiesel menjadi meningkat.
3. Pemilihan 2 reaktor, tangki berpengaduk kontinyu secara seri memberikan biaya alat yang paling minimum, dengan biaya alat reaktor sebesar \$ 85917,43723 dan biaya alat pompa sebesar 12031,67373, sehingga biaya total alat sebesar \$ 97949,11096

#### **5.2. Saran**

Saran yang dapat diberikan untuk penelitian selanjutnya adalah sebagai berikut :

1. Bisa dilakukan optimasi dengan melihat pemodelan secara keseluruhan, sehingga dapat menjadi perbandingan untuk pembuatan pabrik produksi biodiesel

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