

## **BAB V**

### **KESIMPULAN DAN SARAN**

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#### **V.1. Kesimpulan**

Dari penelitian mengenai ekstraksi minyak biji intaran dengan pelarut heksana didapat kesimpulan sebagai berikut :

1. Semakin tinggi suhu ekstraksi, *yield* minyak akan semakin meningkat, tapi akan menurunkan kualitas dari minyak intaran yang dihasilkan.
2. Ukuran partikel yang memberikan *yield* terbesar adalah -25/+40 mesh.
3. Ekstraksi minyak biji intaran mengikuti kinetika ekstraksi orde satu.
4. Proses ekstraksi minyak biji intaran bersifat endotermik, spontan, dan ireversibel

#### **V.2. Saran**

Beberapa saran untuk pengembangan penelitian minyak biji intaran dengan metode ekstraksi solvent adalah sebagai berikut.

1. Minyak intaran yang diekstrak memerlukan pemurnian lebih lanjut supaya didapatkan minyak murni tanpa residu heksana
2. Proses ekstraksi perlu dilakukan dengan menggunakan alat kontrol suhu supaya proses dapat dijaga pada temperatur yang diinginkan.

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