

## **BAB 5**

### **KESIMPULAN DAN SARAN**

#### **5.1. Kesimpulan**

1. Senyawa 2,2'-dihidroksidibenzalaseton dapat disintesis melalui reaksi kondensasi aldol Claisen-Schmidt dengan mereaksikan 2-hidroksibenzaldehida dan aseton dalam suasana basa dan diperoleh rendemen sintesis sebesar 68,18%.
2. Gugus hidroksil posisi ortho pada 2-hidroksibenzaldehida mempersulit reaksi pembentukan 2,2'-dihidroksidibenzalaseton melalui reaksi kondensasi Claisen-Schmidt ditinjau dari perolehan rendemen hasil sintesis.
3. Gugus hidroksil posisi ortho pada 2-hidroksibenzaldehida meningkatkan aktivitas antioksidan ditinjau dari kajian pustaka hubungan struktur aktivitas senyawa 2,2'-dihidroksidibenzalaseton.

#### **5.2. Saran**

1. Dilakukannya sintesis disertai dengan identifikasi struktur yang lebih lengkap supaya dapat menjadi acuan bagi penelitian selanjutnya.
2. Dilakukannya uji aktivitas antioksidan secara kuantitatif untuk mengetahui nilai  $IC_{50}$  yang lebih akurat.
3. Dilakukan pengujian senyawa hasil sintesis secara farmakologis untuk mengetahui khasiatnya dalam bidang kesehatan.

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