

BAB 5

KESIMPULAN DAN SARAN

5.1 Kesimpulan

Berdasarkan hasil penelitian yang telah dilakukan, maka dapat disimpulkan bahwa :

1. Senyawa 2,2'-dihidroksidibenzalaseton yang disintesis dengan mereaksikan 2-hidroksibenzaldehyd dan aseton (2 : 1) dengan waktu pengadukan selama 30 menit dapat dilakukan secara konvensional sehingga menghasilkan rata-rata rendemen sebesar $72,67\% \pm 1,15$.
2. Senyawa 2,2'-dihidroksidibenzalaseton yang disintesis dengan mereaksikan 2-hidroksibenzaldehyd dan aseton (2 : 1) dapat dilakukan dengan bantuan iradiasi gelombang mikro (daya 160 watt) selama 10 menit sehingga menghasilkan rata-rata rendemen sebesar $27,5\% \pm 4,33$.
3. Sintesis senyawa 2,2'-dihidroksidibenzalaseton dengan mereaksikan 2-hidroksibenzaldehyd dan aseton yang dilakukan dengan metode konvensional merupakan metode yang lebih efisien dibandingkan dengan bantuan iradiasi gelombang mikro jika ditinjau dari lama waktu dan rendemen hasil sintesisnya.

5.2 Saran

1. Penelitian ini dapat dikembangkan lebih lanjut untuk mengetahui efek farmakologis dari senyawa 2,2'-dihidroksidibenzalaseton.

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