

BAB 5

KESIMPULAN

5.1. Kesimpulan

Berdasarkan dari penelitian yang telah dilakukan, dapat disimpulkan:

1. Kondisi optimum sintesis senyawa 2,5-bis-(3,4-dimetoksibenziliden)siklopentanon dengan metode konvensional selama 90 menit dengan persentase rendemen sebesar 93,7%.
2. Kondisi optimum sintesis senyawa 2,5-bis-(3,4-dimetoksibenziliden)siklopentanon dengan bantuan iradiasi gelombang mikro pada daya 200 Watt (P10) selama 30 detik dengan persentase rendemen sebesar 90,2%.
3. Sintesis senyawa 2,5-bis-(3,4-dimetoksibenziliden)siklopentanon dengan metode konvensional merupakan metode yang lebih efisien dibandingkan dengan metode bantuan iradiasi gelombang mikro.

5.2. Saran

1. Perlu dilakukan uji aktivitas untuk mengetahui khasiat senyawa yang telah disintesis.
2. Untuk penelitian selanjutnya dapat dilakukan sintesis dengan menggunakan daya yang lebih besar pada microwave ditambah penggunaan NaOH yang lebih pekat agar didapatkan rendemen yang lebih besar.

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