

## **BAB 5**

### **KESIMPULAN DAN SARAN**

#### **5.1 Kesimpulan**

1. Senyawa 2,5-dibenzilidensiklopentanon dapat disintesis dengan mereaksikan benzaldehid dan siklopentanon dengan katalis NaOH dengan bantuan iradiasi gelombang mikro pada kondisi optimum daya 600 Watt (P30) selama 30 detik dengan persentase rendemen sebesar 87,07%.
2. Senyawa 2,5-bis(4-N,N-dimetilaminobenziliden)siklopentanon dapat disintesis dengan mereaksikan 4-dimetilaminobenzaldehid dan siklopentanon dengan katalis NaOH dengan bantuan iradiasi gelombang mikro pada kondisi yang sama daya 600 Watt (P30) selama 30 detik dengan persentase rendemen sebesar 95,23%.
3. Pengaruh substituen dimetilamino pada posisi para terhadap sintesis senyawa 2,5-bis(4-N,N-dimetilaminobenziliden)siklopentanon adalah mempermudah jalannya reaksi kondensasi aldol silang sehingga meningkatkan hasil rendemen sintesis.

#### **5.2 Saran**

Penelitian ini dapat dikembangkan lebih lanjut untuk mengetahui efek farmakologis dari senyawa 2,5-bis(4-N,N-dimetilaminobenziliden)siklopentanon.

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