

BAB 5

KESIMPULAN DAN SARAN

5.1. Kesimpulan

1. Senyawa dibenzalaseton dapat disintesis dengan mereaksikan aseton dan benzaldehid dengan bantuan iradiasi gelombang mikro dan menghasilkan rendemen sebesar 62% serta memiliki kemurnian sebesar 97,23%.
2. Senyawa dianisalaseton bisa disintesis dengan mereaksikan aseton dan 4-metoksibenzaldehid dengan bantuan iradiasi gelombang mikro dan menghasilkan rendemen sebesar 93% serta memiliki kemurnian sebesar 100%.
3. Pengaruh substituen metoksi pada posisi para terhadap sintesis senyawa dianisalaseton adalah mempermudah jalannya reaksi kondensasi Claisen-Schmidt sehingga meningkatkan hasil rendemen sintesis.

5.2. Saran

1. Sintesis dibenzalaseton tidak perlu dilakukan dengan bantuan iradiasi gelombang mikro.
2. Dilakukan penelitian lebih lanjut mengenai pemilihan jenis pelarut untuk rekristalisasi yang lebih optimal.
3. Dilakukan penelitian lebih lanjut mengenai aktivitas farmakologis senyawa.

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