

BAB 5

KESIMPULAN DAN SARAN

5.1 Kesimpulan

Dari hasil penelitian yang telah dilakukan maka dapat diambil kesimpulan bahwa :

1. Reaksi antara asetofenon dengan 2-nitrobenzaldehyd dalam katalis NaOH tidak menghasilkan senyawa turunan khalkon namun membentuk senyawa 3-hidroksi-3-(2-nitrofenil)-1-fenilpropan-1-on dengan metode konvensional (42,72%) dan dengan bantuan iradiasi gelombang mikro (20,88%).
2. Reaksi antara 2-metoksiasetofenon dengan 2-nitrobenzaldehyd dalam katalis NaOH tidak menghasilkan senyawa turunan khalkon namun membentuk senyawa 3-hidroksi-1-(2-metoksifenil)-3-(2-nitrofenil)propan-1-on dengan metode konvensional (17,96%).
3. Reaksi antara 2-metoksiasetofenon dengan 2-nitrobenzaldehyd dalam katalis NaOH tidak menghasilkan senyawa tunggal dengan bantuan iradiasi gelombang mikro.
4. Substituen metoksi pada posisi orto dari asetofenon menyebabkan belum terbentuknya senyawa turunan khalkon pada kondisi NaOH 0.25 mmol baik dengan metode konvensional maupun dengan bantuan iradiasi gelombang mikro.

5.2 Saran

1. Dilakukan penelitian lebih lanjut sintesis turunan khalkon dengan katalis asam.
2. Dilakukan penelitian lebih lanjut mengenai penentuan pelarut rekristalisasi yang lebih optimal.

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