

## **BAB 5**

### **SIMPULAN**

#### **5.1. Simpulan**

Dari hasil percobaan dan bahasan, maka dapat diambil kesimpulan:

1. Senyawa O-(4-metilbenzoil)piroksikam dapat disintesis melalui reaksi asilasi antara piroksikam dengan 4-metilbenzoil klorida dan didapat hasil sebesar 44,8 %.
2. Senyawa O-(4-metilbenzoil)piroksikam mempunyai aktivitas analgesik pada mencit (*Mus musculus*) dan aktivitas analgesik O-(4-metilbenzoil)piroksikam sebanding dengan piroksikam.

#### **5.2. Alur Penelitian Selanjutnya**

Perlu dilakukan penelitian dan pengujian lebih lanjut untuk senyawa O-(4-metilbenzoil)piroksikam misalnya uji uji nefrotoksis, uji hepatotoksik, uji efek ulcer, uji stabilitas, uji farmakodinamik, serta uji farmakokinetik untuk mengembangkan senyawa O-(4-metilbenzoil) piroksikam menjadi calon obat analgesik. Kemudian dilakukan pula uji anti inflamasi untuk mengetahui aktivitas lain dari senyawa O-(4-metilbenzoil) piroksikam sehingga dapat bermanfaat bagi masyarakat maupun bagi perkembangan ilmu pengetahuan.

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