

BAB 5 SIMPULAN

5.1. Simpulan

Dari data penelitian yang telah diinterpretasikan, dapat ditarik kesimpulan :

- Tablet likuisolid piroksikam dengan menggunakan propilen glikol sebagai pelarut *non volatile* dapat meningkatkan pelepasan obat piroksikam dari sediaan tablet likuisolid dibandingkan dengan tablet piroksikam biasa (tanpa menggunakan pelarut *non volatile*).
- Tablet likuisolid yang memiliki nilai %ED₆₀ dan profil pelepasan piroksikam paling tinggi adalah formula D karena meskipun formula D menggunakan jumlah PG paling sedikit, tetapi jumlah Avicel PH 102 yang digunakan paling banyak dibandingkan dengan formula yang lain, sehingga piroksikam terlarut lebih cepat dalam medium disolusi. Hal ini disebabkan karena Avicel PH 102 bersifat hidrofilik dan memiliki kemampuan yang besar untuk menarik air.

5.2. Alur Penelitian Selanjutnya

Dapat dilakukan penelitian tablet likuisolid dengan mencari formula optimum berdasarkan berbagai faktor seperti konsentrasi obat dalam pelarut, konsentrasi *carrier*, dan perbandingan antara *carrier* dan *coating*.

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