

BAB 5 SIMPULAN

5.1. Simpulan

Dari data penelitian yang telah diinterpretasikan, dapat ditarik kesimpulan :

- Tablet likuisolid ibuprofen yang menggunakan gliserin sebagai pelarut *non volatile* dan PVP K-30 sebagai polimer dapat meningkatkan disolusi ibuprofen dibandingkan dengan tablet ibuprofen konvensional (non likuisolid).
- Penambahan PVP K-30 sebagai polimer hidrofilik dapat meningkatkan konstanta laju disolusi tablet likuisolid ibuprofen dengan gliserin sebagai pelarut *non volatile*. Formula B dan C mempunyai konstanta laju disolusi lebih besar dibandingkan formula A, sedangkan formula D yang mengandung konsentrasi PVP K-30 sebesar 15% dari *liquid medication* memiliki konstanta laju disolusi yang tidak berbeda bermakna dengan Formula A.

5.2. Alur Penelitian Selanjutnya

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

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