

BAB 5

SIMPULAN

5.1. Simpulan

Dari hasil penelitian ini dapat disimpulkan bahwa matriks kombinasi κ *carrageenan* dengan berbagai kombinasi kalsium sulfat dapat mempengaruhi profil pelepasan tablet lepas lambat ketoprofen dengan mekanisme pelepasan difusi dan erosi. Selain itu peningkatan konsentrasi kalsium sulfat yang ditambahkan pada matriks κ *carrageenan* dapat menurunkan laju pelepasan ketoprofen dari sediaan tablet lepas lambat ketoprofen.

5.2. Alur Penelitian Selanjutnya

Dapat dilakukan uji farmakokinetik sediaan lepas lambat ketoprofen dengan menggunakan matriks kombinasi κ *carrageenan* dan kalsium sulfat pada berbagai konsentrasi kalsium sulfat sehingga diperoleh korelasi uji *in vivo-in vitro*. Selain itu dapat juga dilakukan penelitian menggunakan bahan aktif lain yang memenuhi kriteria untuk dibuat sediaan tablet lepas lambat dengan menggunakan matriks kombinasi κ *carrageenan* dan kalsium sulfat.

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