

BAB V

SIMPULAN

5.1. Simpulan

Dari hasil penelitian ini dapat disimpulkan bahwa:

- Berbagai macam konsentrasi *guar gum* dapat mempengaruhi pelepasan tablet lepas lambat ketoprofen dengan kinetika pelepasan mengikuti orde nol dan mekanismenya difusi dan erosi.
- Formula terbaik adalah formula B dengan konsentrasi *guar gum* 30%, di mana dihasilkan pelepasan yang paling baik dibandingkan formula lainnya dan mempunyai K_{disolusi} mendekati K "rate out" teoritis, serta bila dibandingkan dengan sediaan paten mempunyai kedekatan baik dari harga K_{disolusi} , %obat terlepas, dan %ED

5.2. Alur Penelitian Selanjutnya

Dapat dilakukan studi uji farmakokinetik sediaan lepas lambat natrium diklofenak dengan menggunakan berbagai konsentrasi *guar gum* sebagai matriks sehingga diperoleh korelasi uji *in vivo-in vitro*.

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