

## BAB 5

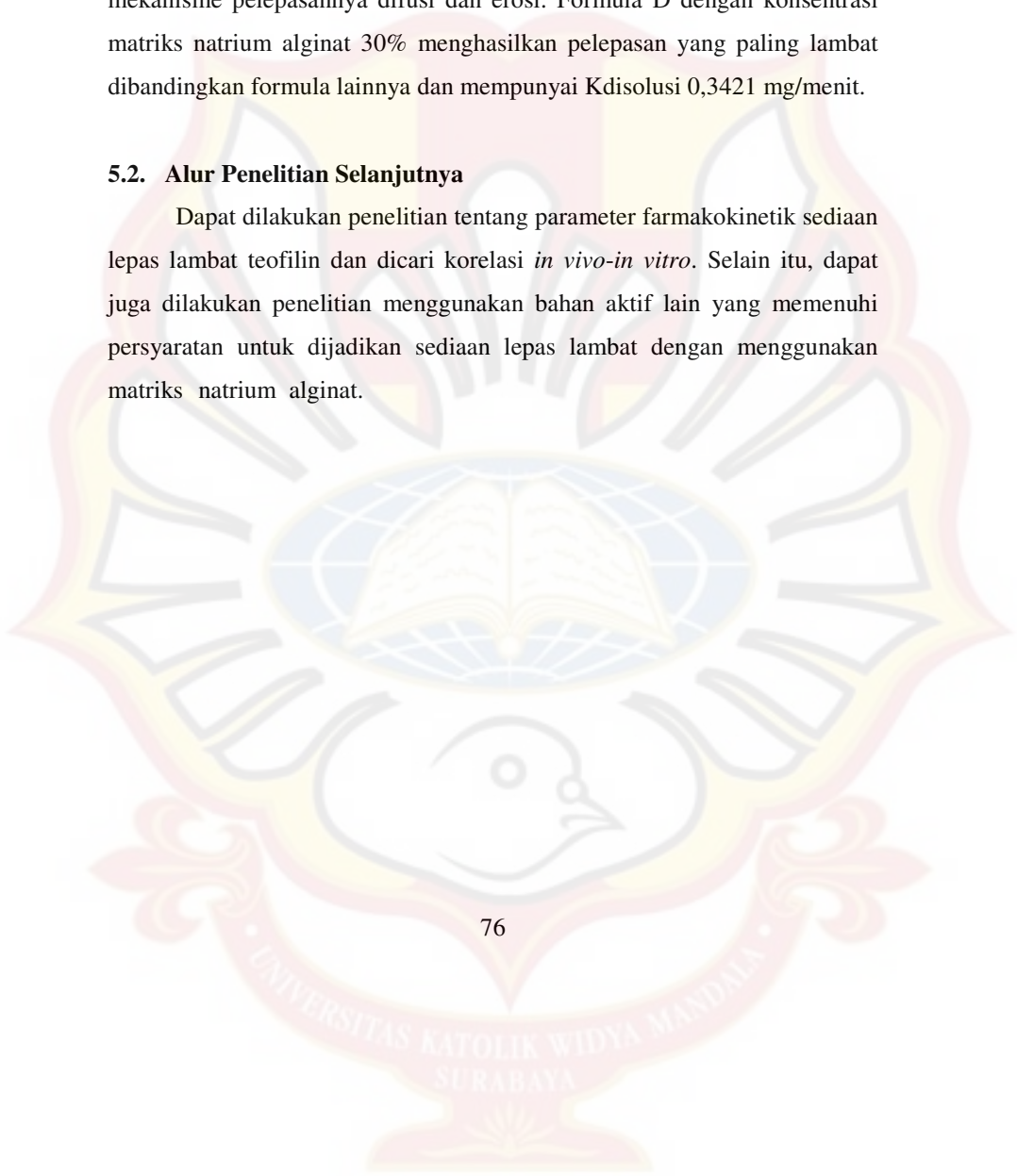
### SIMPULAN

#### 5.1. Simpulan

Konsentrasi matriks natrium alginat mempengaruhi profil pelepasan tablet lepas lambat teofilin dengan kinetika pelepasan orde nol dimana mekanisme pelepasannya difusi dan erosi. Formula D dengan konsentrasi matriks natrium alginat 30% menghasilkan pelepasan yang paling lambat dibandingkan formula lainnya dan mempunyai Kdisolusi 0,3421 mg/menit.

#### 5.2. Alur Penelitian Selanjutnya

Dapat dilakukan penelitian tentang parameter farmakokinetik sediaan lepas lambat teofilin dan dicari korelasi *in vivo-in vitro*. Selain itu, dapat juga dilakukan penelitian menggunakan bahan aktif lain yang memenuhi persyaratan untuk dijadikan sediaan lepas lambat dengan menggunakan matriks natrium alginat.



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