

BAB 5

SIMPULAN

5.1. Simpulan

- Konsentrasi natrium alginat dan gliserin berpengaruh terhadap mutu fisik *film buccoadhesive* dan pelepasan Atenolol. Dimana semakin tinggi konsentrasi natrium alginat dan gliserin akan menurunkan pelepasan obat Atenolol serta dapat meningkatkan indeks pengembangan dan daya merekat sediaan film.
- Formula optimum dari *film buccoadhesive* Atenolol diperoleh dengan menggunakan konsentrasi kombinasi natrium alginat 2,30% dan gliserin 5,50% yang menghasilkan respon indeks pengembangan 1,59518, lama merekat 127,263 menit dan pelepasan 150,527 $\mu\text{g}/\text{cm}^2/\text{Jam}$.

5.2. Alur Penelitian Selanjutnya

Ditinjau dari hasil pH sediaan yang terlalu basa, disarankan untuk penelitian formulasi selanjutnya untuk menggunakan kombinasi matriks dalam formula agar dapat membuat pH sediaan menjadi menurun mendekati pH saliva sehingga tidak mengiritasi mukosa mulut.

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