

BAB V

KESIMPULAN DAN SARAN

5.1 Kesimpulan

Adapun kesimpulan yang dapat ditarik berdasarkan hasil penelitian ini adalah:

1. Natrium diklofenak berhasil dipreparasi menjadi bentuk vesikel transetosom sebagai sistem penghantaran transdermal. Hal ini ditunjukkan pada hasil uji in vitro dengan jumlah kumulatif dan nilai fluks yang tertinggi dihasilkan oleh F4 yaitu $118,862\mu\text{g}/\text{cm}^2$ dan $59,431\mu\text{g}/\text{cm}^2/\text{jam}$ dibandingkan dengan formula lain secara signifikan ($p<0,01$).
2. Karakterisasi formula F1, F2, F3 dan F4 meliputi efisiensi penyerapan, morfologi vesikel dan ukuran vesikel. Persen efisiensi penyerapan yang dihasilkan dari masing-masing formula F1, F2, F3 dan F4 yaitu 89,77%, 91,50%, 91,97%, 92,89%. Bentuk vesikel yang dihasilkan dari semua formula yaitu bulat tidak beraturan. Dengan ukuran vesikel untuk formula F4 adalah 771,9 nm.

5.2 Saran

1. Disarankan adanya keberlanjutan dari penelitian ini dengan membuat formulasi transetosom menjadi sediaan semisolid.
2. Perlu dilakukan uji karakterisasi lain seperti zeta potensial, elastisitas vesikel dan uji in vivo untuk melihat sampai mana vesikel transetosom dapat berpenetrasi ke dalam kulit.

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