

BAB V

PENUTUP

V.1 Kesimpulan

1. Berdasarkan penelitian yang dilakukan, dapat disimpulkan bahwa perbedaan konsentrasi poloxamer mempengaruhi karakteristik fisik dan pelepasan VALS dari sediaan dan F3 memiliki profil fisik yang paling baik.
2. Berdasarkan uji pelepasan obat secara *in vitro*, hasil yang diperoleh menunjukkan bahwa F3 memiliki profil pelepasan yang paling baik. Pada uji permeasi F3 dengan dan tanpa MNs, diperoleh hasil bahwa penggunaan MNs meningkatkan permeasi VALS serta peningkatan panjang jarum MNs juga meningkatkan permeasi VALS. Kombinasi dengan permeasi tertinggi adalah F3 dan MNs 1,5 mm dengan jumlah obat terpermeasi sebesar $2,27 \pm 0,0109$ mg.

V.2 Saran

Berdasarkan hasil yang diperoleh, beberapa hal yang disarankan antara lain:

1. Perlu dilakukan uji stabilitas dari sediaan gel transdermal VALS
2. Perlu dilakukan studi iritasi kulit dari sediaan gel transdermal VALS

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LAMPIRAN

Lampiran 1. Skema Kerja

