

BAB 5

KESIMPULAN DAN SARAN

5.1. Kesimpulan

Ekstrak kering bunga telang dan dimetikon berpengaruh terhadap sifat mutu fisik dan efektivitas sediaan krim tabir surya. Ekstrak kering bunga telang dapat meningkatkan pH, viskositas, SPF, dan *water resistant*, serta dapat menurunkan daya sebar, persen transmisi eritema dan persen transmisi pigmentasi. Dimetikon dapat meningkatkan pH, viskositas, SPF, persen transmisi eritema dan persen transmisi pigmentasi, dan *water resistant*, serta dapat menurunkan daya sebar sediaan.

Formula optimum sediaan krim tabir surya ekstrak kering bunga telang diperoleh menggunakan konsentrasi ekstrak kering bunga telang 12,783% dan dimetikon 3,533% dengan perkiraan efektivitas sediaan krim tabir surya yang memenuhi spesifikasi yaitu pH sebesar 5,68, viskositas sebesar 76,425, daya sebar sebesar 5,52 cm, nilai SPF sebesar 8,71, persen transmisi eritema diperoleh 0,92%, persen transmisi pigemnatasi diperoleh 0,94% dan kemampuan *water resistant* diperoleh waktu 45.01 menit.

Formulasi sediaan krim tabir surya ekstrak kering bunga telang berpengaruh pada formula optimum terhadap efektivitas ekstrak kering bunga telang.

5.2. Saran

Perlu dikaji lebih lanjut terkait efektivitas sediaan krim tabir surya secara *in vivo* pada uji pra klinis dan tahap uji klinis yang secara langsung menggunakan kulit manusia.

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