

BAB 5

KESIMPULAN DAN SARAN

5.1. Kesimpulan

Berdasarkan hasil penelitian, formulasi masker wajah gel *peel-off* ekstrak air kering buah apel (*Malus domestica* L.) dengan kombinasi pengering etanol dan plastisiser gliserin memiliki pengaruh terhadap viskositas, daya sebar dan waktu mengering sediaan. Etanol sebagai pengering berpengaruh dalam menurunkan respon terhadap nilai viskositas, daya sebar dan mempercepat waktu mengering sediaan. Gliserin sebagai plastisiser dapat meningkatkan respon terhadap nilai viskositas, daya sebar dan memperlama waktu mengering sediaan. Interaksi keduanya dapat meningkatkan viskositas, daya sebar dan memperlama waktu mengering sediaan masker wajah gel *peel-off* ekstrak air kering buah apel.

Hasil optimasi memberikan formula optimum masker wajah gel *peel-off* ekstrak air kering buah apel (*Malus domestica* L.) yaitu pada konsentrasi etanol yang dipilih adalah 16,78% dan konsentrasi gliserin yang dipilih adalah 7,45% dengan prediksi memiliki mutu fisik yang memenuhi persyaratan dengan nilai viskositas sebesar 19178 cPs, daya sebar 4,6 cm dan waktu mengering 21,46 menit.

5.2. Saran

Melakukan verifikasi terhadap formula optimum sediaan masker wajah gel *peel-off* dan dibandingkan dengan mutu fisik dan efektivitas sediaan masker wajah gel *peel-off* secara teoritis. Perlu dilakukan juga penelitian dengan pengembangan pada metode evaluasi efektivitas sediaan dengan menguji *tensile strenght* dan *elongation at break* menggunakan alat uji sehingga diperoleh hasil yang lebih valid.

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