

ABSTRAK

Tanaman tomat (*Solanum lycopersicum L.*) mempunyai sumber utama yaitu likopen, suatu komponen aktif yang berperan sebagai antioksidan dan lidah buaya mengandung metabolit sekunder seperti tanin, lignin, saponin, antraquinon, flavonoid dan juga sterol. Telah dilakukan pembuatan *hand and body lotion* dari kombinasi ekstrak buah tomat (*Solanum lycopersicum L.*) dan daun lidah buaya (*Aloe vera (L.)* Burm.f. Metode penelitian ini menggunakan metode experimental laboratorium, dengan menggunakan pengestrakan buah tomat (*Solanum lycopersicum L.*) secara maserasi dan daun lidah buaya (*Aloe vera (L.)* Burm.f dengan konsentrasi 1%, 3% dan 5%. Pengujian evaluasi sifat fisik sediaan meliputi uji homogenitas, uji organoleptis, uji pH, uji hedonik, uji iritasi, viskositas. Hasil penelitian uji homogenitas menunjukkan Hijau Kecoklatan dan tekstur semi padat. Hasil pengujian pH menunjukkan pH 6,2 sampai 6,6. Hasil uji hedonik menunjukkan sediaan disukai oleh panelis baik warna, tekstur dan aroma. Hasil uji iritasi menunjukkan bahwa sediaan mampu mengikat dan mempertahankan penguapan air pada kulit. Berdasarkan hasil dapat disimpulkan bahwa kombinasi buah tomat (*Solanum lycopersicum L.*) dan daun Lidah Buaya (*Aloe vera (L.)* Burm.f. dapat diformulasikan dalam sediaan *hand and body lotion*.

Kata kunci : Ekstrak Buah Tomat (*Solanum lycopersicum L.*), Daun Lidah Buaya (*Aloe vera (L.)* Burm.f, *hand and body lotion*, Uji Sifat Fisik

ABSTRACT

Tomato plants (*Solanum lycopersicum* L.) have a main source of lycopene, an active component that acts as an antioxidant, and aloe vera contains secondary metabolites such as tannins, lignin, saponins, anthraquinones, flavonoids and sterols. *Hand and body lotion* has been made from a combination of tomato fruit extract (*Solanum lycopersicum* L.) and aloe vera leaves (*Aloe vera* (L.) Burm.f.). This research method uses a laboratory experimental method, using tomato fruit (*Solanum lycopersicum* L.) extract by maceration and aloe vera leaves (*Aloe vera* (L.) Burm.f. with a concentration of 1%, 3% and 5%. Tests to evaluate the physical properties of the preparation include homogeneity test, organoleptic test, pH test, hedonic test, irritation test, viscosity. The results of the homogeneity test showed brownish green and semi-solid texture. The pH test results showed a pH of 6.2 to 6.6. Hedonic test results showed that the preparation was liked by panelists both in color, texture and aroma. The results of the irritation test show that the preparation is able to bind and maintain water evaporation on the skin. Based on the results it can be concluded that the combination of tomato fruit (*Solanum lycopersicum* L.) and Aloe vera leaves (*Aloe vera* (L.) Burm.f.) can be formulated in *hand and body lotion* preparations.

Keywords: Tomato Fruit Extract (*Solanum lycopersicum* L.), Aloe Vera Leaf (*Aloe vera* (L.) Burm.f.), *hand and body lotion*, Physical Properties Test.