

**PENGARUH PENAMBAHAN EKSTRAK GAMBIR (*UNCARIA
GAMBIR, ROXB*) TERHADAP KARAKTERISTIK *SKIN
LOTION***

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PADANG
2019**

Pengaruh Penambahan Ekstrak Gambir (*Uncaria gambir* Roxb) Terhadap Karakteristik *Skin Lotion*

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan ekstrak gambir terhadap karakteristik *skin lotion* dan menentukan tingkat penambahan ekstrak gambir terbaik berdasarkan karakteristik *skin lotion* yang kaya akan antioksidan. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) terdiri dari 5 perlakuan penambahan ekstrak gambir (0%, 2%, 3%, 4% dan 5%) dan 3 kali ulangan. Data dianalisis secara statistik dengan menggunakan *Analysis of Variance* (ANOVA) dan dilanjutkan dengan *Duncan's New Multiple Range Test* (DNMRT) pada taraf 5%. Pengamatan pengaruh penambahan ekstrak gambir terhadap karakteristik *skin lotion* yang dilakukan adalah pengamatan kekentalan, warna, rasa lengket, kesan lembab, penampakan, homogenitas, kelembaban, stabilitas emulsi dan massa jenis serta juga dilakukan analisis pH, antioksidan, dan angka lempeng total (ALT). Hasil yang diperoleh menunjukkan bahwa penambahan ekstrak gambir terhadap karakteristik *skin lotion* berpengaruh pada penampakan, kekentalan, homogenitas, warna, bobot jenis, kelembaban, pH dan antioksidan, namun tidak berpengaruh terhadap stabilitas emulsi, kesan lembab dan rasa lengket yang dihasilkan. Perlakuan terbaik didapat dari penambahan 5% ekstrak gambir dengan karakteristik *skin lotion* yang dihasilkan diantaranya; homogenitas 3,23 (suka), kekentalan 3,33 (suka), warna 2,97 (suka), rasa lengket 3,40 (suka), penampakan 2,93 (suka), kesan lembab 3,60 (suka), iritasi 0, stabilitas emulsi 100%, bobot jenis 1,00, kelembaban 0,97, pH 7,33, aktivitas antioksidan 43,38%, dan total mikroba $6,9 \times 10^2$.

Kata kunci: Antioksidan, Uncaria gambir, Roxb, Skin lotion

The Effect of Additional Gambir Extract (*Uncaria gambir*, Roxb) On Characteristic of Skin Lotion

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ABSTRACT

The research aims to know the effect of adding gambir extract on characteristic of skin lotion and to determine the best concentration of gambir extract based on characteristic of skin lotion that rich of antioxidant. This research used completely randomized design (CRD) consist of 5 treatments of gambir extract concentration (0%; 2%; 3%; 4% and 5%) and 3 repetitions. Data analyzed Statistically by Analysis of Varian (ANOVA) and continued by Duncan's New Multiple Range Test (DNMRT) at 5% significant level. The observation of the effect of adding gambir (*Uncaria gambir*, Roxb) extract to characteristic of skin lotion are viscosity, color, sticky taste, moist impression, appearance, homogeneity, humidity, emulsion stability, density, pH analysis, antioxidant analysis, and total plate count (TPC). The result showed that the adding of gambir (*uncaria gambir roxb*) extract to characteristic of skin lotion take effect on appearance, viscosity, homogeneity color, density, humidity, pH and antioxidant activity, but it had no effect on emulsion stability, moist impression and sticity test of the product. The best treatment by adding 5% gambir extract with the characteristic of skin lotion as homogeneity 3.23 (like) ; viscosity 3.33 (like); color (like) 2.97 (like); sticity test 3.40 (like); appearance 2.93(like); moist impression 3.60; iritaion 0; emulsion stability 100%; density 1,00; humidity 0.97; pH 7.33; antioxidant activity 43.38%; and microba total 6.9×10^2 .

Keyword: Antioxidant, *Uncaria gambir*, Roxb, *Skin lotion*, Gambir extract.

