

**PENGARUH PENAMBAHAN LEMAK KAKAO
(*Theobroma cacao* L.) TERHADAP
KARAKTERISTIK *BODY SCRUB* SARI LABU
KUNING (*Cucurbita moschata* D.)**



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Pengaruh Penambahan Lemak Kakao (*Theobroma cacao* L.) Terhadap Karakteristik *Body Scrub* Sari Labu Kuning (*Cucurbita moschata* D.)

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan lemak kakao (*Theobroma cacao* L.) terhadap karakteristik *body scrub* sari labu kuning (*Cucurbita moschata* D.), stabilitas fisik dan kimia krim *body scrub* selama penyimpanan 6 siklus serta menentukan formulasi terbaik. Penambahan lemak kakao diharapkan dapat menghasilkan *body scrub* dengan kualitas yang baik serta memperkenalkan produk kosmetik berbahan dasar alami. Penelitian menggunakan rancangan acak lengkap (RAL) dengan lima perlakuan penambahan lemak kakao (0 g, 5 g, 7,5 g, 10 g, 12,5 g) dan tiga ulangan. Analisis meliputi titik leleh, asam lemak bebas, bilangan iod, total fenol, aktivitas antioksidan, kadar air, stabilitas (homogenitas, pH, tipe emulsi, daya sebar, organoleptik), viskositas, iritasi, kelembaban kulit dan uji hedonik. Data dianalisis menggunakan ANOVA dan uji DNMR 5%. Hasil penelitian menunjukkan bahwa penambahan lemak kakao berpengaruh terhadap viskositas, daya sebar, nilai pH dan organoleptik warna dan tekstur *body scrub*. Lemak kakao memberikan kestabilan fisik yang baik selama penyimpanan 6 siklus dengan hasil krim homogen, tipe krim emulsi minyak dalam air dan stabil pada uji organoleptik warna, aroma, tekstur dan bentuk. Formulasi terbaik diperoleh pada penambahan lemak kakao 12,5 g dengan karakteristik warna 3,60 (suka), aroma 3,60 (suka) dan tekstur 3,83 (suka), aktivitas antioksidan 37,25%, kadar air 58,51% serta peningkatan kelembaban kulit 55,30%. *Body scrub* ini dapat menjadi potensi pengembangan produk kosmetik alami.

Kata kunci: *body scrub*, lemak kakao, sari labu kuning

Effect of Cocoa Butter Addition (*Theobroma cacao* L.) on Body Scrub Characteristics of Yellow Pumpkin Juice (*Cucurbita moschata* D.)

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ABSTRACT

This study aimed to determine the effect of the addition of cocoa butter (*Theobroma cacao* L.) on the characteristics of pumpkin juice (*Cucurbita moschata* D.) body scrub, determine the physical and chemical stability of body scrub cream during 6 cycle storage and determine the best formulation. The addition of cocoa butter is expected to produce body scrub with good quality and introduce natural-based cosmetic products. The study used a completely randomized design (CRD) with five treatments of cocoa butter addition (0 g, 5 g, 7.5 g, 10 g, 12.5 g) and three replications. Analysis included melting point, free fatty acids, iodine number, total phenols, antioxidant activity, moisture content, stability (homogeneity, pH, emulsion type, spreadability, organoleptic), viscosity, irritation, skin moisture and hedonic test. Data were analyzed using ANOVA and 5% DNMR test. The results showed that the addition of cocoa butter affected the viscosity, spreadability, pH value and organoleptic color and texture of the body scrub. Cocoa butter provides good physical stability during storage of 6 cycles with homogeneous cream results, oil-in-water emulsion cream type and stable on color, aroma, texture and shape organoleptic tests. The best formulation was obtained by adding cocoa butter 12,5 g with the characteristics of color 3.60 (like), aroma 3.60 (like) and texture 3.83 (like), antioxidant activity 37,25%, water content 58,51% and an increase in skin moisture of 55.30%. This body scrub can be a potential development of natural cosmetic products.

Keywords: *Body scrub, Cocoa butter, pumpkin juice*