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FORMULASI DAN UJI IRITASI *BODY SCRUB* MINYAK BIJI LABU KUNING (*Cucurbita moschata D seed oil*)
(xvii+88 halaman+8 tabel+6 gambar+15 lampiran)

ABSTRAK

Latar Belakang: Minyak biji labu kuning memiliki kandungan senyawa antioksidan yang dapat digunakan sebagai *anti aging* sehingga minyak biji labu kuning dapat digunakan untuk perawatan kulit seperti *body scrub*

Tujuan: Tujuan penelitian ini untuk memformulasikan minyak biji labu kuning sebagai *body scrub* dan mengevaluasi sifat fisik dan stabilitas serta respon iritasi formulasi *body scrub* minyak biji labu kuning.

Metode: Penelitian ini merupakan penelitian eksperimental laboratorium yang menggunakan minyak biji labu kuning dengan bobot 10g dan 15g dalam sediaan *body scrub*. Formulasi *body scrub* diuji sifat fisik dan stabilitasnya selama penyimpanan menggunakan metode *cycling test* selama 6 siklus serta dilakukan uji iritasi secara *in vivo*. Data uji sifat fisik dan iritasi dianalisis menggunakan SPSS versi 26.

Hasil: Uji sifat fisik *body scrub* minyak biji labu kuning dengan bobot 10g dan 15g memiliki bentuk semi padat, berwarna putih, homogen, dan beraroma apel. pH *body scrub* memiliki rentang 6,31-7,47 selama penyimpanan dan setelah di *cycling test* memiliki rentang 6,31-6,79, daya lekat memiliki rentang 1,2-1,3 detik selama penyimpanan dan setelah di *cycling test* memiliki rentang 1,2-1,2 detik, daya sebar memiliki rentang 2,52-2,74 selama penyimpanan dan setelah di *cycling test* memiliki rentang 2,52-2,71. Hasil pengamatan uji iritasi menggunakan kelinci selama 14 hari, tidak ditemukan adanya eritema dan edema pada kulit kelinci.

Simpulan: Formula *body scrub* minyak biji labu kuning tetap stabil selama penyimpanan pada suhu ruang maupun suhu ekstrim dan tidak menimbulkan respon iritasi pada kulit

Kata kunci: *body scrub*, sifat fisik, iritasi

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**FORMULATION AND IRRITATION TEST OF *BODY SCRUB SEED OIL*
YELLOW PUMPKIN (*Cucurbita moschata D seed oil*)
(xvii+88 pages+8 tables+6 pictures+15 attachments)**

ABSTRACT

Background: Pumpkin *seed oil* contains antioxidant compounds that can be used as *antiaging* so pumpkin seed oil can be used for skin care such as *body scrubs*.

Purpose: The purpose of this study was to formulate pumpkin *seed oil* as a *body scrub* and evaluate its physical properties and stability as well as the irritation response of the pumpkin *seed oil body scrub* formulation.

Methods: This study was a laboratory experimental study using pumpkin seed oil weighing 10g and 15g in body scrub preparations. The body scrub formulation was tested for its physical properties and stability during storage using the cycling test method for 6 cycles and an *in vivo* irritation test was carried out. Physical properties and irritation test data were analyzed using SPSS version 26.

Results: Test the physical properties of pumpkin seed oil *body scrub* weighing 10g and 15g having a semi-solid form, white in color, homogeneous, and apple-scented. The pH of the *body scrub* has a range of 6,31-7,47 during storage and after the *cycling test* has a range of 6,31-6,79, the adhesion has a range of 1,2-1,3 seconds during storage and after the *cycling test* has a range 1,2-1,2 seconds, spread power has a range of 2,52-2,74 during storage and after *cycling test* has a range of 2,52-2,71. The results of observations of irritation tests using rabbits for 14 days, found no erythema and edema on the rabbit's skin.

Conclusion: The pumpkin *seed oil body scrub* formula remains stable during storage at room temperature or extreme temperatures and does not cause an irritating response to the skin

Keywords: *Body scrub*, physical properties, irritation

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