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FORMULASI DAN EVALUASI SHAMPO EKSTRAK ETANOL 70% DAGING BUAH LABU KUNING (*Cucurbita moschata D*)

ABSTRAK

Latar Belakang : Labu kuning (*Cucurbita moschata D*) oleh sebagian masyarakat hanya diolah sebagai bahan makanan saja, tidak banyak yang mengetahui jika labu kuning dapat dimanfaatkan sebagai bahan dasar pembuatan kosmetik salah satunya adalah shampo. Pada penelitian ini dilakukan pembuatan formulasi shampo ekstrak etanol 70% dari daging buah labu kuning. Tujuan penelitian ini untuk mengevaluasi dan menganalisis efektivitas sediaan shampo ekstrak etanol 70% daging buah labu kuning (*Cucurbita moschata D*).

Metode : Penelitian ini bersifat eksperimental dengan rancangan formulasi menggunakan variasi konsentrasi ekstrak 1%, 2%, dan 3%. Evaluasi sediaan berupa uji : organoleptik, pH, homogenitas, viskositas, pengukuran tinggi busa, stabilitas busa, serta uji daya pembasah. Evaluasi stabilitas sediaan berdasarkan perbedaan suhu dan lama penyimpanan.

Hasil : Hasil uji organoleptis dari ketiga formula berwarna kuning, cairan kental dan berbau khas tree tea oil. Hasil pH dari ketiga formula masuk dalam rentang 5-9. Uji homogenitas pada formula 1-3 memiliki homogenitas yang baik. Hasil uji viskositas diperoleh nilai viskositas 1030-2360 cps. Pengukuran tinggi busa diperoleh nilai sebesar 5,5-9,67 cm dan uji stabilitas busa diperoleh nilai sebesar 64,97-70,9%. Hasil uji daya pembasah pada masing-masing formula kurang dari 30 detik.

Kesimpulan : Hasil uji karakteristik fisik dan stabilitas fisik pada penyimpanan selama 14 hari shampo ekstrak etanol 70% daging buah labu kuning memenuhi persyaratan dalam setiap parameternya.

Kata kunci : Labu Kuning (*Cucurbita moschata D*), Shampo, Stabilitas Sediaan, Karakteristik

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FORMULATION AND EVALUATION OF 70% Ethanol EXTRACT SHAMPOO YELLOW PUMP MEAT (*Cucurbita moschata D*)

ABSTRACT

Background: Pumpkin (*Cucurbita moschata D*) by some people is only processed as a food ingredient, not many know that pumpkin can be used as a basic ingredient for making cosmetics, one of which is shampoo. In this study, a shampoo formulation with 70% ethanol extract was made from pumpkin flesh. The purpose of this study was to evaluate and analyze the effectiveness of the 70% ethanol extract of pumpkin flesh (*Cucurbita moschata D*).

Methods: This study was experimental with a formulation design using various extract concentrations of 1%, 2%, and 3%. Evaluation of the preparation in the form of tests: organoleptic, pH, homogeneity, viscosity, measurement of foam height, foam stability, and wetting power test. Evaluation of the stability of the preparation based on differences in temperature and storage time.

Results: The results of the organoleptic test of the three formulas were yellow, thick liquid and had a characteristic smell of tea tree oil. The pH results of the three formulas are in the range of 5-9. The homogeneity test in formula 1-3 has good homogeneity. Viscosity test results are in the range of 1030-2360 cps. The foam height measurement is in the range of 5,5-9,67 cm and the foam stability test is in the range of 64.97%-70,9%. The results of the wetting power test on each formula are less than 30 seconds.

Conclusion: The results of the physical characteristics and physical stability storage for 14 days of shampoo 70% ethanol extract of pumpkin flesh meet the requirements for each parameter.

Keywords: Pumpkin (*Cucurbita moschata D*), Shampoo, Preparation Stability, Characteristics