

ABSTRAK

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Program Studi : Farmasi
Judul : Formulasi Sediaan *Shampoo Bar* Antiketombe Ekstrak Daun Hijau Pucuk Merah (*Syzygium myrtifolium* Walp.)

Daun hijau pucuk merah (*Syzygium myrtifolium* Walp.) mempunyai aktivitas antifungi terhadap *Malassezia furfur* yang merupakan mikroorganisme penyebab ketombe, sehingga perlu dikembangkan menjadi sediaan seperti *shampoo bar*. *Shampoo bar* merupakan *shampoo* padat terdiri dari komponen surfaktan, pengeras, pengkondisi, dan bahan tambahan seperti pewangi dan pengawet. *Shampoo bar* memiliki keunggulan yaitu praktis, ramah lingkungan dan lebih tahan lama. Penelitian ini bertujuan untuk membuat formulasi *shampoo bar* antiketombe ekstrak daun hijau pucuk merah. Metode yang digunakan yaitu eksperimental dengan mengekstraksi daun hijau pucuk merah menggunakan metode maserasi dengan pelarut etanol 96%. *Shampoo bar* dibuat dengan konsentrasi ekstrak sebesar 3%, 5%, dan 8%. *Shampoo bar* yang dihasilkan menunjukkan bahwa uji organoleptis memiliki bentuk padat, beraroma *bubblegum*, berwarna putih (basis) dan hijau (formula dengan konsentrasi ekstrak 3%, 5% dan 8%). Tinggi busa 5,06 cm - 6,46 cm, stabilitas busa 96,05% - 98,45%, pH 6,09 - 6,33, kadar air 4,70% - 7,24%, uji *dirt dispersion* tidak ada kotoran tinta yang tertinggal di dalam busa, *cleaning action* 18% - 29,67%, dan *Shampoo bar* ekstrak daun hijau pucuk merah memiliki daya hambat terhadap *Malassezia furfur* sebesar 17,34 mm $\pm$ 0,16 – 19,79 mm $\pm$ 0,08 dengan kategori kuat. Hasil uji stabilitas sediaan menunjukkan semua formula *shampoo bar* tetap stabil selama *cycling test*. Kesimpulan penelitian ini adalah semua formula memenuhi karakteristik standar mutu *shampoo* menurut SNI 06-2692-1992 dan formula paling baik dan banyak disukai adalah formula konsentrasi 8%.

Kata kunci:

Antiketombe, *Malassezia furfur*, *Shampoo bar*, stabilitas, *Syzygium myrtifolium* Walp.

ABSTRACT

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Title : Formulation of Anti-dandruff Shampoo Bar Extract of Red Shoots Green Leaf (*Syzygium myrtifolium* Walp.)

The green leaves of red shoots (*Syzygium myrtifolium* Walp.) have antifungal activity against *Malassezia furfur* which is a microorganism that causes dandruff, so it needs to be developed into preparations such as shampoo bars. Shampoo bars are solid shampoos consisting of surfactant components, hardeners, conditioners, and additional ingredients such as fragrances and preservatives. Shampoo bars have the advantages of being practical, environmentally friendly and more durable. This study aims to make a shampoo bar formulation of anti-dandruff shampoo bar with green leaf extract of red shoots. The method used was experimental by extracting green leaves and red shoots using the maceration method with 96% ethanol solvent. Shampoo bars are made with extract concentrations of 3%, 5%, and 8%. The resulting shampoo bar showed that the organoleptis test had a solid shape, bubblegum flavor, white (base) and green color (formula with extract concentrations of 3%, 5% and 8%). Foam height 5.06 cm - 6.46 cm, foam stability 96.05% - 98.45%, pH 6.09 - 6.33, moisture content 4.70% - 7.24%, dirt dispersion test no ink residue left in the foam, cleaning action 18% - 29.67%, and Shampoo bar green leaf extract red shoots have inhibition against *Malassezia furfur* as much as $17.34 \text{ mm} \pm 0.16 - 19.79 \text{ mm} \pm 0.08$ with the strong category. The results of the stability test of the preparation showed that all shampoo bar formulas remained stable during the cycling test. The conclusion of this study is that all formulas meet the characteristics of shampoo quality standards according to SNI 06-2692-1992 and the best and most well-liked formula is the 8% concentration formula.

Keywords:

Anti-dandruff, *Malassezia furfur*, Shampoo bar, stability, *Syzygium myrtifolium* Walp.