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Judul : Preformulasi Dan Uji Hedonik Pembuatan Sediaan Lipstik Dari Ekstrak Jus Daun Erpa (*Aerva Sanguinolenta*) Sebagai Pewarna Alami

ABSTRAK

Lipstik merupakan salah satu kosmetik dekoratif yang banyak digunakan untuk meningkatkan penampilan, namun sebagian besar masih menggunakan pewarna sintetis yang berpotensi menimbulkan efek samping. Penelitian ini bertujuan untuk memformulasikan sediaan lipstik dengan pewarna alami dari ekstrak jus daun erpa (*Aerva sanguinolenta*) serta mengevaluasi sifat fisik dan tingkat kesukaan (uji hedonik) panelis terhadap sediaan yang dihasilkan. Jus ekstrak daun erpa dibuat dengan cara penghancuran daun segar hingga diperoleh sari, kemudian diformulasikan ke dalam tiga konsentrasi berbeda yaitu 5%, 10%, dan 15%. Evaluasi mutu fisik meliputi uji organoleptik, homogenitas, pH, daya sebar, dan daya lekat. Uji hedonik dilakukan terhadap 20 panelis dengan parameter warna, aroma, dan tekstur menggunakan skala penilaian 1–5. Hasil penelitian menunjukkan bahwa semua formula lipstik memenuhi persyaratan mutu fisik, dengan pH dalam rentang aman untuk kulit bibir (4,0–6,5), bentuk tidak homogen. Berdasarkan uji hedonik, formula dengan konsentrasi 15% ekstrak daun erpa mendapatkan tingkat kesukaan tertinggi terutama pada aspek warna dan daya lekat. Dengan demikian, ekstrak daun erpa berpotensi digunakan sebagai zat pewarna alami dalam formulasi lipstik yang aman dan disukai konsumen.

Kata kunci: Lipstik, daun erpa (*Aerva sanguinolenta*), pewarna alami, preformulasi, uji hedonik.

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Title : *Preformulation and Hedonic Testing of Lipstick Preparation from Erpa Leaf Extract (Aerva Sanguinolenta) as a Natural Colorant*

ABSTRAK

Lipstick is one of the most widely used decorative cosmetics to enhance appearance; however, most products still rely on synthetic colorants that may cause adverse effects. This study aimed to formulate lipstick preparations using a natural colorant derived from juice extract of erpa leaves (Aerva sanguinolenta) and to evaluate their physical properties as well as consumer acceptance through hedonic testing. The juice extract of erpa leaves was obtained by crushing fresh leaves to produce the juice, which was then formulated into three different concentrations: 5%, 10%, and 15%. Physical quality evaluations included organoleptic test, homogeneity, pH, spreadability, and adhesion test. Hedonic testing was conducted with 20 panelists by assessing color, aroma, and texture using a 1–5 scale. The results showed that all lipstick formulations met the physical quality requirements, with pH values within the safe range for lips (4.0–6.5), although slight variations in homogeneity were observed. Based on the hedonic test, the formula containing 15% juice extract of erpa leaves obtained the highest level of acceptance, particularly in terms of color and adhesion. Therefore, juice extract of erpa leaves has potential to be developed as a safe and natural colorant in lipstick formulations that are well-accepted by consumers.

Keywords: *Lipstick, erpa leaves (Aerva sanguinolenta), natural colorant, preformulation, hedonic*