

ABSTRACT

FORMULATION OF LIP BALM COMBINATION EXTRACT SECANG WOOD (*Caesalpinia sappan L.*) AND EXTRACT TELANG FLOWER (*Clitoria ternatea*)

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*Cosmetics are a part of daily routines. Cosmetics made from natural ingredients are preferable as they can promote skin health, particularly for the lips. Lip balm formulations contain moisturizing agents and antioxidants for lip care. This research utilizes natural ingredients such as secang wood with brazilin content and telang flowers with anthocyanin content, known for their antioxidant properties. The aim of this study is to investigate the combination of secang wood extract (*Caesalpinia sappan L.*) and telang flower extract (*Clitoria ternatea*) and its effect on the physical characteristics of lip balm formulations. Results from the organoleptic tests showed color differences: FI resulted in reddish-purple, while FII showed bright pink, with a strawberry scent and a semi-solid form. Both FI and FII demonstrated homogeneity, indicating absence of coarse particles. pH testing revealed values of FI 5.5 and FII 4.86, signifying that the lip balm formulations are good and safe for lip application. The spreading test showed FI at 3.3 cm and FII at 4.1 cm, indicating even spread on the lip surface. The addition of telang flower extract influenced physical characteristic tests, including organoleptic evaluation, homogeneity, pH, and spreading. It is suggested to adjust the concentration of Telang Flower Extract (*Clitoria ternatea*) in the Lip Balm Combination of Secang Wood Extract (*Caesalpinia sappan L.*) with Telang Flower (*Clitoria ternatea*) to achieve the desired color results.*

Keywords: *Lip balm, Caesalpinia sappan L., Clitoria ternatea*