

ABSTRACT

UJI STABILITAS FREEZE THAW LIP BALM KOMBINASI EKSTRAK KAYU SECANG (*Caesalpinia sappan* L.) DAN EKSTRAK BUNGA TELANG (*Clitoria ternatea* L.)

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Lips are one part of the skin that needs protection. In addition to hot and cold weather, exposure to the sun's UV rays can damage the keratin cells of the lips. Lip balms that use chemical dyes, such as rhodamine B, have side effects of cancer and impaired liver function. This study used a combination of 2 extracts, namely 5% secang wood extract and 1% telang flower extract which contains brazilin and anthocyanin. The research method is experimental research. Freeze Thaw stability test was carried out to determine the effect of lip balm storage temperature on the combination of secang wood extract and telang flower extract. The results of organoleptic test research are semisolid, the color from cycle 0 is bright pink to brick red in cycle 6 and strawberry smell. The homogeneity test shows that the preparation is homogeneous or there are no coarse grains. The results of the pH test and dispersion test stated that there was a significant difference in cycle 0 to cycle 6 through the Independent T-Test. The conclusion of this study is that the difference in storage temperature of 4 ° C in the refrigerator and 40 ° C in the oven as much as 6 cycles has an effect on color, no effect on odor parameters, shape, and homogeneity, no affects pH and dispersion.

Keywords: *Lip Balm, Caesalpinia sappan L, Clitoria ternatea L, Freeze Thaw.*