ABSTRACT

THE EEFECT STORAGE TEMPERATURE ON PHYSICAL CHARACTERISTICS OF STOCK LIP BALM SECANG WOOD EXTRACT (Caesalpinia sappan L.) AND ROSELLA FLOWER EXTRACT (Hibiscus sabdariffa L)

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Lips are one part of the face that need protection so that lip moisture is maintained and does not become dry, cracked, and the color becomes dull. Therefore it is necessary to make preparations lip balm which contains moisturizing substances and vitamins for the lips and can be obtained naturally. In this study, a combination of 2 extracts, namely sappan wood extract (Caesalpinia sappan L.) and roselle flower extract (Hibiscus sabdariffa L) which has the same content, namely flavonoids which are antioxidants. This study used an experimental method to determine the effect of storage temperature on the physical characteristics of the preparationlip balmsappan wood extract (Caesalpinia sappan L.) and roselle flower extract (Hibiscus sabdariffa L) which used 3 different formulations, namely the concentration of beeswax base with F1 5%, F2 7.5%, and F3 10%. preparationlip balm tested for stability using the stability test freeze thawa total of 6 cycles with a refrigerator temperature of 4°C and an oven temperature of 40°C for 24 hours then evaluate the physical characteristics which include organoleptic tests, homogeneity tests, pH tests, and dispersibility tests. The results showed that the preparations F1 and F2 had a soft texture and F3 had a slightly hard texture, orange color, smelled of strawberry, homogeneous preparations, the pH was suitable for lip pH, and the dispersio values in F1 and F2were not significant or there was no difference in the 0th cycle and the 6th cycle, and the F3 dispersion power value is significant or there is a difference in the 0th cycle and 6th cycle after going through the test paired sample t-test.

Keywords :*Lip Balm, Caesalpinia sappan L, Hibiscus sabdariffa L, Stability, Freeze Thaw.*