

ABSTRACT

STABILITY TEST *FREEZE THAW* MASK GEL *PEEL-OFF* COMBINATION MORINGA LEAF EXTRACT (*Moringa oleifera* L.) AND ALOE VERA (*Aloe vera*) EXTRACT (With HPMC as a *Gelling Agent*)

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The study created 3 formulas namely F1, F2, and F3 face mask peel-off of moringa leaf extract (*Moringa oleifera* L.) and aloe (*Aloe vera*), with the extract concentration varied by 1% for moringa leaf extract (*Moringa oleifera* L.) and 0.5% for *aloe vera* extract using HPMC with various concentrations as a gelling agent then carried out by assay *freeze thaw* method. The *freeze thaw* method is carried out as many as 6 cycles. Each cycle consists of storing the preparation at a temperature of 4°C to 40°C. The concentration of HPMC affects the color of the mask preparation where the higher the concentration, the clearer the color of the preparation, from intense green (F1 and F3) to moss green (F2). In organoleptics the form and aroma have the same result according to the specifications of the mask preparation, namely semi-solid form and characteristic aroma. In the consistency test the preparation has a thick consistency and some preparations undergo phase separation after undergoing a freeze test, so it can be said that the mask preparation is unstable at storage. In the pH test the preparation has good results according to specifications and has normal statistical results. In the dispersion test the preparation has results that are far from the specification range (5-7cm) but has normal and good statistical results. In the dry time test the preparation has good dry time values in the range (15 — 30 minutes) and has normal statistical results.

Keywords: *Gel Peel-off Mask, Leaf Extract Moringa and Aloe Vera, Freeze thaw test.*