

ABSTRACT

Mask is a beauty product that is used to repair and treat facial skin. One of the mask preparations is a peel off gel mask, the active ingredient of peel off gel mask from snail mucus. Snail mucus (*Achatina fulica*) contains compounds such as *Allantoinin* which functions as a moisturizer and *Glycosaminoglycan (GAG)* compounds that play an important role in maintaining connective tissue between cells so that the skin is always firmer and healthier. In this study several tests were conducted, including physical stability testing aimed at measuring the quality of the peel off gel mask formulation with the real time study method.

This research is an experimental laboratory research design with real time methods. Room temperature storage conditions between 15 °C- 30 °C for 12 weeks, with a frequency of testing time 0, 1, 2, 3, 4, 6, 8, 10, 12 weeks. The physical stability test parameters of the preparations are in the form of: organoleptic, pH, viscosity, spreadability, drying time, and humidity activity using a Skin Detector.

The conclusion resulting from this study is that the two peel off gel mask formulations with snail mucus have good physical stability for 12 weeks of storage. While the results of the test of the effectiveness of the softness carried out on both formulas can be said to be good. This can be seen from the results of statistical tests Paired Sample T-Test with a value of $p < 0.5$ which states there are significant changes before and after use during the 12-week test.

Keyword: *gel peel off masker, snail mucus, real time study.*