

## **ABSTRACT**

### **LOTION STABILITY TEST AVOCADO LEAF EXTRACT ( *Persea americana Mill.*) WITH SETIL ALCOHOL AS EMULGATOR**

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Free radicals are one of the compounds that cause damage to skin. Unhealthy skin causes the skin to look dry and thin fine lines or wrinkles, skin pigmentation appears. Avoid the bad effects of free radicals, it is necessary to formulate a cosmetic preparation that contains antioxidant activity. The advantage of the lotion is that it is easy to apply. When applied to the skin, the spread is quite broad, does not give off a feeling oily, gives a cool effect, washes off easily with water. In this research investigated the stability test of avocado leaf extract lotion with cetyl alcohol. The lotion preparation was tested for stability using the freeze thaw method aims to determine the ability of the lotion to remain within the desired specifications set during storage and use. The results of the organoleptic test on the formula 1, 2, and 3 semisolid forms with a slightly thick consistency, white color and characteristic odor rose. In the homogeneity test of formulas 1, 2, and 3 the results obtained are homogeneous and There are no coarse grains or separating particles in the preparation. In the pH test with specifications 5-8 the results obtained in formulas 1, 2, and 3 are obtained by an average of 6.95-7.22.

*Keyword : Lotion, Stability test, Physical characteristics, Freeze thaw.*