

## **ABSTRACT**

### **THE EFFECT OF STEARIC ACID CONCENTRATION ON THE PHYSICAL CHARACTERISTIC OF AVOCADO LEAVES (*Persea americana Mill.*)**

Exposure to direct sunlight can cause damage to the skin, one of which can cause damage to the skin is free radicals. To prevent or improve the impact of free radicals, cream preparations containing antioxidants are needed. In this study, traditional plants, namely avocado leaves, have antioxidant activity because they contain flavonoid compounds. Research has been carried out on the effect of stearic acid concentration on the physical characteristics of cream preparations from avocado leaf extract (*Persea americana Mill.*) with the aim of knowing whether stearic acid can affect the physical characteristics of cream preparations by using stearic acid ratios of 10%, 14% and 18%. Observations of the characteristics carried out include organoleptic, homogeneity, pH and spread ability. From the test results, the organoleptic test results showed that there were no differences in color, smell and shape, the homogeneity test results were homogeneous and there were no coarse grains, the pH test showed 6 results that met the specifications, the spread ability test results showed that the three formulas met the requirements, namely between 5-7 cm. Suggestions in this study need to do a stickiness test for more complete results.

Keywords: cream, stearate acid, avocado leaves, physical characteristic.