

ABSTRACT

FREEZE THAW LOTION COMBINATION STABILITY TEST AVOCADO PEEL (*Persea americana*) EXTRACT AND LONGAN LEAF EXTRACT (*Dimocarpus longan*)

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In this advanced era, there are many types of skin care, there are various types of cosmetic preparations, namely lotions, gels and creams. One of the preparations that is often used to treat skin problems is the use of lotion, lotion has the function of nourishing, caring for and protecting skin from exposure to UV rays, pollution and also free radicals, therefore the presence of free radicals means the body needs antioxidant compounds. In this day and age there are many herbal cosmetic products that contain active antioxidant substances, for example avocado skin and longan leaves, both parts of the plant It contains antioxidants.

The results of the organoleptic test above show that the lotion preparation combined with avocado skin extract (*Persea americana*) and longan leaf extract (*Dimocarpus longan*) found no differences in color, odor and dosage form starting from cycle 0 to cycle 6. For the homogeneity test the results obtained that is, getting results that meet the requirements from cycle 0 to cycle 6. for the pH test, getting results that meet the requirements and statistical tests getting results that are normally distributed but with homogeneous variance, for the spreadability test with a load weight of 50g, 100g, and 150 g getting results that meet the requirements but the statistical test is not normal but has a homogeneous variance and the test results for load weights of 200 g get results that meet the requirements and the statistical test is normally distributed and has a homogeneous variance.

Keyword : Lotion, antioxidant, homogeneous variance