

# **The Study Making of Jelly Candy Making with Aloe Vera Addition as a High Phosphorus Snack**

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## **ABSTRACT**

Phosphorus deficiency can occur in all circles, from toddlers, teenagers to adults. Phosphorus is commonly found in food stuffs, one of them in aloe vera. One of the favorite snacks that people like is the one that has a sweet taste like jelly candy. Modified jelly candy with aloe vera in it is expected to be one of the snacks that can sufficient the needs of phosphorus for all circles. The purpose of this study was to examined the quality of aloe vera jelly candy as a high phosphorus snack. The experimental design of this study was Randomized Block Design. The experimental of this study used *One Way Anova* test and *Duncan* test. The formulation determination was done by doing different concentration between aloe vera gel with water that is A1 = 30%: 70%, A2 = 40%: 60%, A3 = 50%: 50%, A4 = 60%: 40%, A5 = 70%: 30%, A6 = 80%: 20% and in each treatment repeated 4 times. The result showed that the value of phosphorus content in aloe vera jelly candy has significantly different results between treatments. The result of the organoleptic test has a significant effect on the color, flavor, aroma and texture of the jelly candy. The best treatment was found in A6 treatment with a concentration of 80% extract of aloe vera: 20% water. The giving of aloe vera jelly candy as a high phosphorus snack for age 3 - 9 years old is 6 slices or 60 grams, age 10-18 years old is 15 slice or 150 grams, and age 19 - 80 years old is 9 slices or 90 grams in a day.

Keywords: Phosphorus, Aloe Vera, JellyCandy