

# **Utilization of Durian Seed Meal and Carrot Flour as Substitution in Making Cookies for PMT children aged 3-5 years**

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## ***ABSTRACT***

*Children are one of the most vulnerable groups of nutrition or the easiest to suffer from nutritional disorders. The main causes of low nutrition in children due to lack of energy intake, protein and vitamin A. From the existing problems can be overcome by food diversification efforts with the development of local food, because the State of Indonesia has many potential sources of local food such as durian and carrots. This study aims to determine the effect of durian seed meal and carrot flour in the manufacture of cookies for supplementary feeding (PMT) of children. The experimental design used was the Randomized Block Design. Determination of the formulation in this study durian seed flour: carrot flour is 60%: 40%, 65%: 35%, 70%: 30%, 75%: 25%, 80%: 20%, 85%: 15%, 90% : 10%, 95%: 5%, 100%: 0% of each treatment was repeated 3 times. Chemical and organoleptic analyzes were highly significant  $P = 0,000$  (significant). The best treatment occurred in the treatment of A3 with the formulation of 70% durian flour + 30% carrot flour. There are protein levels ranging from 11.94g / 100g to 14.53g / 100g and vitamin A ranges from 27.66g / 100g to 29.6mg / 100g. Serve the size of cookies to PMT children 10 pieces ( $\pm$  100 grams) in one day with 2 meals (5 pieces / meal).*

*Keywords: Cookies Toddler, Durian Powder and Carrot Flour*