

ABSTRACT

Maharany Triastuti Januarizki. B4109292. Department of Health, Clinical Nutrition Program, State Polytechnic of Jember. Soybeans Sprouts Flour formulations And Tuna Fish Meal Ingredients For Complementary feeding Instant Powder For Babies Age 6-8 Months. Supervisor: Ir. Rindiani, MP and Agustina Endah W., S. Sos. M. Kes.

MP-ASI as mother's milk food companion are foods or drinks that contain nutrients, given to babies or children age 6-24 months in order to meet the nutritional needs other than breast milk. At the age of 6-8 months of breast milk energy intake is 437 Cal / day, whereas the recommended 783 Kal, so the energy required from the MP-ASI is 346 Cal / day. One effort that is expected to help improve the quality of nutrition in the MP-ASI is to use soybeans sprouts flour and tuna fish meal. The method used in this study is completely randomized design (RAL) using a single factor, namely formulation soybeans sprouts flour and tuna fish meal (F) consisting of eight treatments, namely F1 (15%: 85%), F2 (25%: 75%), F3 (35%: 65%), F4 (45%: 55%), F5 (55%: 45%, F6 (65%: 35%), F7 (75%: 25%), and F8 (85 %: 15%).

The results showed that the greater the proportion of soybean sprouts flour ash content, fat and energy value is increasing, while the higher proportion of the tuna fish meal protein content in formula complementary feeding also increased significantly. Based on analysis of nutrients and energy values can be concluded that the MP-ASI Instant Powder with F1 proportion (15%: 85%), F2 (25%: 75%), F3 (35%: 65%), F4 (45%: 55%), F5 (55%: 45%) and F6 (65%: 35%) MP-ASI is an Instant Powder qualified complementary feeding among eight existing formulations.

Keywords: MP-ASI Instant Powder, Soybeans Sprouts Flour, Tuna Fish Meal, Formulations.