

The Correlation Between Energy Consumption and Protein Level with Linear Growth (PB / U) Infants Age 0-12 Months in District Arjasa

ABSTRACT

Energy consumption and protein level can support baby's growth and development. Growth occurs so rapidly in infants that the period is said to be a golden period as well as a critical period. Stunted baby growth will lead to stunting or very short. The aim of this study is to find out the correlation between energy consumption and proteinlevel with linear growth (PB / U) infants aged 0-12 months in Arjasa District. The data Collecting Methods used form food recall, body length measurement, and observation. This Study used qualitative, with analytic survey method and prospective cohort design. The Respondents are 43 respondents selected by purposive sampling. The data analysis technique used descriptive statistic and correlation test of Somers'd. From the result of descriptive analysis 2,38% energy consumption level of medium level deficit, 7,14% level of light energy deficit level consumption, 19,05% normal energy consumption level and 71,4% level of energy consumption more, 4,76% level Moderate-deficit protein intake, 7.14% level of light-level deficit protein consumption, 23.8% normal protein consumption rate and 64.3% more protein consumption level. 2.38% linear growth (PB / U) very short category, 4.76% linear growth (PB / U) short category, 92.86% linear growth (PB / U) normal category. The result of the analysis using Somers'd correlation shows no correlation between energy consumption and proteinlevel with linear growth (PB / U) ($p = 0,061$ and $r = 0,891$) and there was no correlation between protein consumption level and linear growth (PB / U) ($P = 0.054$ and $r = 0.975$).

Keywords: *Energy Consumption Level, Protein Consumption Level, Linear Growth (PB / U)*

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