

## **ABSTRACT**

### **ADEQUACY LEVELS OF ENERGY AND PROTEIN, AND NUTRITIONAL STATUS IN UNDER FIVE YEARS CHILDREN OF POOR HOUSEHOLD AT BLAMBANGAN UMPU SUBDISTRICT WAYKANAN DISTRICT**

**By**

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Health and nutritional problem of mothers and under five years children is still concerning. Individual nutritional status was influenced by nutritional intake and infection. The under five years children of poor household are sensitive to have malnutrition. Aim of this study was to investigated adequacy levels of energy and protein on nutritional status in under five years children of poor housholded at Blambangan umpu Subdistrict, Waykanan District. Method of this study was survey-quantitative by cross-sectional approach. The population was all under five years children of age 24-60 months with 60 samples from two villages which was decided by participatoris. Nutritional status assessment by anthropometry. Data was analyzed by distribution-frequency table (univariat) and by chi-square test (bivariat). The result showed most children had normal weight and height, good adequacy levels of energy and protein, and the nutritional status due to BB/U,

TB/U and BMI/U were normal. The results showed significant correlation between adequacy levels of energy on under five years child nutritional status due to BB/U (p-value=0,02) and BMI/U (p-value = 0,008). There wasn't significant correlation between adequacy level of protein on five years child nutritional status due to BB/U (p-value=0,08), TB/U (p-value=0,33) and BMI/U (p-value=0,2).

**Key words :** Adequacy levels of energy and protein, nutritional status, under five years children