ABSTRACT

MAYANG GALIH PUTRI. Morbidity and Nutritional Status of Under Five Children Receiving Supplementary Feeding with Biscuit Substituted with Catfish Flour in Sukalarang and Cibadak Sub-district, District of Sukabumi. Under the guidance of Sri Anna Marliyati.

Protein-Energy Malnutrition (PEM) among under five children is a nutrition problem in Indonesia. The purpose of this research was to study morbidity and nutritional status of under-five children before and after supplementary feeding with biscuit substituted with catfish flour in Sukalarang and Cibadak sub-district, district of Sukabumi. The samples of the study were children within the age range 12-60 months. A quasy experimental study design was implemented. Primary and secondary data were collected in the study. Data was analyzed using Microsoft Exel 2007 for windows and Statistical Program for Social Science (SPSS) 16.0. Primary data includes the characteristics of the sample’s families (families size, parental education, parental employment, and household income); the characteristics of children under-five (age, sex, weight, height, energy consumption, and protein consumption); the characteristic of environment, morbidity, nutritional status, and parenting (feeding and health care pattern). Weight for age (W/A), height for age (H/A) and weight for height (W/H) index were used to measure children under-five nutritional status. The result showed that supplementary feeding with biscuit substituted with catfish flour may increased nutritional status. After intervention, 52.8% children under five were normal (W/A). Based on analysis showed that there were no corellation between feeding care pattern with nutritional status ($r=0.042$, $p>0.05$), and health care pattern with nutritional status ($r=0.290$, $p>0.05$). Many factors influenced nutritional status, such as consumption and infection deseases. Samples T Test analysis showed that was a difference on nutritional status (W/A) between after and before intervention ($p<0.05$). There was no difference of morbidity between after and before intervention ($p>0.05$).

Keywords: Protein-Enery Malnutrition, supplementary feeding, nutritional status, morbidity, biscuit