ABSTRACT

YOSEPIN MARGARET SARAGIH. The Analysis Relation of Immunisation BCG and Campak while Food Consumpsion to Nutritional Status of Children Under Five Years of Age in West Java. Under direction of HIDAYAT SYARIEF and VERA URIPI.

Rapid growth and development childrens is established at under five years of age. Riskesdas (basic health research) 2007-2010, prevalence of underweight, stunting and wasting decreased slightly during three years. The prevalence in West Java was under the national prevalence but it considered a public health problem. This study was aimed to analysis relation of immunisation BCG and Campak while food consumption to nutritional status of children under five years of age in West Java. The crossectional study was applied in this research. Data collected from West Java (limited to Bandung, Cirebon, and Garut District) through Riskesdas 2007 (Basic Health Research 2007) had been used for study. In this study weight-for-age (WAZ), height-for-age (HAZ), and weight-for-height (WHZ) were used as indicators of nutritional status of children under five years of age. Data was analyzed using Microsoft Exel 2007 for windows and Statistical Program for Social Science (SPSS) 17.0. Data include the characteristics of sample's families (family size, parental education, parental employment, and household outcome); the characteristics of children (sex, age, weight, and height); consumption (household and children); children immunisation (BCG and Campak), children infection disease (TB paru and Campak). Multiple linear regression test showed that the nutritional status of children under five year of age measured by weight-for-age (WAZ) indicator in Bandung District was affected by energy consumption (R² = 0.040), in Cirebon District by household expenditure (R² = 0.040), in Garut District by protein consumption (R² = 0.046), while in all three district by Campak immunisation (R² = 0.013). Measured by weight-for-height (WHZ) indicators, the nutritional status in Bandung District was affected by energy consumption (R² = 0.073), in Garut District by protein consumption (R² = 0.048) and BCG immunisation (R² = 0.024), while in all three by Campak immunisation (R² = 0.011) and household expenditure (R² = 0.017)

Keywords: immunisation, food consumption, nutritional status, under five years of age children