ABSTRACT

PRITA DHYANI SWAMILAKSITA. The Association of Food Consumption and Antenatal Care to the Maternal Nutritional Status and Infant Weight and Length in Bogor Municipality. Under Direction of DODIK BRIAWAN and YAYUK FARIDA BALIWATI.

The objectives of the study were to analyze the association between food consumption and antenatal care practices to the maternal nutritional status and infant weight and length. The cross-sectional study was done in Bogor Municipality, samples were 45 pregnant women in Bogor Municipality. The results showed that a total of 53.3 to 88.9% of pregnant women have poor levels (< 70% RDA) of nutrient consumption, especially of the energy, protein, iron, and vitamin A. Besides that, about 77.8% pregnant women have a low diversity of food consumption. Personal antenatal care was applied among 67% of women such as specific exercise or taking a certain food. Meanwhile, about 95.6% of pregnant women attended the Puskesmas or Posyandu for taking minimum of standard healthcare. It was found that about 22.2% of pregnant mother having CAC < 23.5 cm was suffer chronic energy malnutrition, prevalence of anemia (Hb < 110 g/L) was 22.2%, and iron deficiency was 37.8% (ferritin < 20 µg/L). The logistic regression analysis showed that socioeconomic characteristics and maternal characteristics have a positive associated on food consumption and health examination, variables which associated with food consumption is family income (OR = 0.01; 95% CI: 0.00-0.72) and maternal education (OR = 5.49; 95% CI: 1.13-26.71). In other hands, food consumption and antenatal care have a positive associated on maternal nutrition, but no variables significantly associated with the maternal nutritional status (p > 0.05). The results of logistic regression also showed that food consumption and antenatal care have a positive associated on birth weight and length, but no variables significantly associated with the birth weight and length (p > 0.05).

Keywords: nutrition intake, antenatal care, chronic energy malnutrition, anemia, infant weight and length