ABSTRACT

AULIA MASRUROH. Correlation Between Breast-Feeding Practice, Food Consumption Patterns, and Learning Facilities with Logical-Mathematic Intelligence of Students at SDN 09 Pagi Jakarta Utara. Under supervision of ALI KHOMSAN.

The aims of study was to know correlation between practice of breast-feeding, food consumption patterns, and learning facilities with logical-mathematic intelligence of students at SDN 09 Pagi Jakarta Utara. The study design used cross-sectional study. The total sample consists of 38 students of 4th grade. There was significant correlation between breast-feeding duration (p=0.000), exclusive breast-feeding duration (p=0.000), and mother’s education (p=0.031) with IQ, while energy adequacy level (p=0.039), protein adequacy level (p=0.017), animal protein consumption frequency (p=0.000), doing homework at home (p=0.000), repeating the lesson (p=0.000), studying accompanied by parents (p=0.000), owning learning room (p=0.000), owning school stationery (0.000), owning desk for studying (p=0.000), IQ (p=0.002), and age (p=0.042) had significant and positive correlation with students mathematic report score. There was significant correlation between protein adequacy level (p=0.033), animal protein consumption frequency (p=0.000), doing homework at home (p=0.000), repeating the lesson (p=0.000), studying accompanied by parents (p=0.000), owning learning room (p=0.000), owning school stationery (p=0.000), owning desk for studying (p=0.000), and IQ (p=0.011) with students’ mathematic learning test result. There was no significant correlation between nutritional status (p=0.301), sex (p=0.061), pocket money (p=0.826), father’s education (p=0.825), mother’s education (p=0.205), and family’s income (p=0.865) with mathematic report score. There was no correlation between energy sufficient level (p=0.073), nutritional status (p=0.807), sex (p=0.078), pocket money (p=0.789), age (p=0.097), father’s education (p=0.995), mother’s education (p=0.090), family’s income (p=0.596) with students learning test result.

Keywords : Breastfeeding, Food Consumption, Nutrition Status, Intelligence Quotient