

## ABSTRACT

**Siwi Praptining Wijayanti. 2007.** The Relationship between Family Income and Mother Knowledge about Nutrient with Obesity Case of the Students SD Islam Terpadu Ihsanul Fikri Magelang Year 2006/ 2007. Final Project. Public Health Science Department. Sport Science Faculty. Semarang State University. Advisor: I Dra. ER. Rustiana, M.Si, II Dina Nur A. N. SKM.

**Key Words:** Family Income, Mother Knowledge about Nutrient, Level Of Energy Consume. and Children Obesity.

The problem investigation in this research is how does sketch of respondent based on income family, mother nutrient knowledge, level of energy consume with children obesity. The purpose of this research is to know sketch of respondent based on income family, mother nutrient knowledge, and level of energy consume with children obesity.

Genre of this research is analytic survey with case control design. The population is all of the elementary students in class 3, 4, and 5 in SD Islam Terpadu Ihsanul Fikri, with the number 168 children. The sample is 102; consist of 34 of case group and 68 of control group. The technique in getting sample is using random sampling. The instrument that is used in this research is weight, microtis, list of children's name, questionnaire, and recall 24 hours. Bivariant analysis is using chi square statistic test and to know the large of risk factor is using odds ratio analysis.

The result of the result mention that level of income per-capita of the students of SD Islam Terpadu Ihsanul Fikri Magelang most of them is in upper poor line that is 99 (97,06%), median Rp 430.000,00, minimum value Rp 125.000,00 and maximum value is Rp 1.100.000,00, level of mother nutrient knowledge of the students SD Islam Terpadu Ihsanul Fikri Magelang most of them is good that is 52 (51%), median 80, minimum value is 42 and maximum value is 100. Children obesity case of the students of SD Islam Terpadu Ihsanul Fikri Magelang most of them is 34 students (33,33%). From statistic test shows that there is no significant relationship between family income with children obesity case in class 3, 4 and 5 students of SD Islam Terpadu Ihsanul Fikri Magelang year 2006/2007 ( $p= 1,000$  and  $OR= 1,000$ ) there is no significant relationship between mother nutrient knowledge and children obesity case in class 3, 4, and 5 students of SD Islam Terpadu Ihsanul Fikri Magelang year 2006/2007 ( $p= 0,944$  and  $OR= 0,889$ ). There is significant relationship between level of energy consume and children obesity case in class 3, 4, and 5 students of SD Islam Terpadu Ihsanul Fikri Magelang year 2006/2007 ( $p= 0,001$  and  $OR= 7,684$ ).

The suggestion that is proposed is the parents in order to pay attention with the need of nutrient that appropriate with the need of children nutrient that useful for the children and to allocate family income that appropriate with the need of children nutrient, the head master is asked to give elucidation for canteen administrator in the school in order to provide the food with cooking alone

appropriate with nutrient value that needed by students. For the further researcher it hopes to add or restrain other variables such as genetic factor, physical activity, stress factor and social culture background in order this research more perfect.