



ABSTRACT

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THE CORRELATION BETWEEN ENERGY, PROTEIN, ZINC INTAKE, WASH AND HEALTHY LATRINES FACILITY TO DIARRHEA INCIDENCE OF UNDERNUTRITION SCHOOL AGED CHILDREN (10 – 12 YEARS OLD) IN SUMATERA ISLAND (ANALYSIS OF RISKESDAS 2007)

xiii, VI Chapters, 119 Pages, 28 Tables, 1 Picture

Background : *Under-nutrition is physically condition that caused mal-absorption, such as infectious diseases. Diarrhea is an infectious disease that caused lack of WASH (Water Sanitation and Hand Washing), defecation's not in latrines and inadequate intake. The impact of under nutrition school aged children is poor quality of live and learning.*

Objective : *To know the correlation between energy, protein, zinc intake, WASH and defecate in latrine to diarrhea incidence of under-nutrition school aged children (10 – 12 years old) in Sumatera island.*

Methods : *Analysis cross sectional design was used to 526 respondents that was analyzed by Independent T – test and Chi Square.*

Results : *The intake of energy, protein and zinc of respondents are less than half of requirements. Most of respondents (>50%) un-lack of water sanitation and washing their hands without soap in critical times, except before eating (53.2% washing their hands with soap) and healthy latrines facility (57.3%). The incidence of diarrhea disease was significantly associated ($p < 0.005$) with defecation in latrines, and negatively associated ($p > 0.005$) with energy, protein, zinc intake and WASH.*

Conclusion and Suggestion : *Defecation in latrines impacts of diarrhea incidence that means the children getting diarrhea because they are not defecate in latrine, because of poor facility of healthy latrines. Important to cooperate with the government to promote defecation in latrine and build healthy latrines facility.*

Key Word : *Undernutrition, Diarrhea, Intake, WASH, Healthy Latrines*

References (65) : *2000 – 2015*