The Relationship of Dental Caries with Nutritional Status on Children Aged 4-5 Years Old in Mojokerto at 2013

Hubungan Karies dengan Status pada Balita Usia 4-5 Tahun di Kota Mojokerto Tahun 2013

ABSTRACT

Background. High prevalence of caries and poor nutritional status in children is an important issue. There is mechanisms dental caries may affect the child's BMI (Body Mass Index), where BMI is one measurement of nutritional status. Untreated dental caries will lead to an infection, can also cause pain and discomfort to the patient thereby reducing food intake also BMI. Objective. The aim of this research is to know the relationship of caries with nutritional status of children aged 4-5 years in Mojokerto. Method. The type of this research was observational analytic with cross sectional study. The samples of this research were 221 students of the kindergarten students Moslem NU VII Nurul Huda City 2 and kindergaten Pertiwi Mojokerto. Caries measurement using def index and pufa and also measurement of nutritional status using BMI (Body Mass Index). Result. The result of this research showed that the calculation of the Spearman, p value of def and BMI is 0.662 with p > 0.05, which means no relationship found between BMI def and p value of pufa and BMI is 0.574 with p > 0.05, which means also no relationship found between pufa with BMI. Conclusion. There is no relationship between caries and nutritional status. This may occur because one of the causes of malnutrition situation is the lack of energy and protein intake for a certain period. This situation will occur more quickly when a child has diarrhea or other infectious diseases. Keyword: children aged 4-5 years old, Caries, BMI.