

Hubungan sarana air bersih dengan kejadian diare pada keluarga di kota bukittinggi tahun 2001

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Abstrak

Diarrhoea is one biggest health problem in Indonesia, are to of endemic problem with high prevalent and becoming outbreak with high Case Fatality Rate. Diarrhoea conident as a symptom which manifest in several infection disease. The research arm to know the relationship between resource of drinking water, level of pollution drinking and physical quality of drinking water at Bukittinggi city. Research design are cross sectional study with families respondent, with the total respondent are 402 families.

This research formed the probability of diarrhoea victims for last three years form the prime variable which are the facilities resource of drinking water, level of contamination drinking water and physical quality of drinking water with other factor confounding effect.

The results of this study shows that there is a signiicant relationship between drinking water sources and diarrhoea endemic in families, and this interacts with the level of contamination of drinking water. But odds ratio shows no relationship when the level of contamination is zero because some variables are unknown, insufficient sample size, and the existence of confounding variable, which is family privy condition. There is also a significant relationship between diarrhoea endemic in families and level of contamination of drinking water, andthis interact with physical quality of drinking water. The value of OR when the physical quality of drinking water is good is unknown, with the sources of drinking water as confounding variable. In relation to physical quality of drinking water, there is a significant relationship between diarrhoea endemic in families and utilization of family privy, in which the value of OR when the family privy is underutilized is 8.96, without any confounding variable.

Base result of research, to decrease the cause of diarrhoea disease to the family we sugested that the family use drinking water from Government company when using other facilities must complete the health prerecurement consist of better physical quality of drinking water and also lowest level of contamination drinking water.