

ABSTRACT

Determinant Factors of Acute Diarrhea among Children 12-59 Month (A Case Control Study in Working Area of Puskesmas Tanah Grogot Paser Regency East Kalimantan, in Year of 2016)

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Background: Poor sanitation include lack of clean water, mother behaviour dan premorbid f actors of c hildren a re o ften f ound t ogether w ith oc currence of chilhood di arrhea. This s tudy pur posed t o i dentify a nd e xplain a ny potential determinants of under five years diarrhea, and inform the proportion of rotavirus infection among childhood diarrhea in Tanah Grogot s ubdistrict, P aser r egency, East Kalimantan.

Methods: A n unm atched 1: 1 popul ation ba sed c ase c ontrol s tudy conducted between 1st June untill 31st August 2016 i n Tanah Grogot s ubdistrict w ith 64 samples for each cases and control group. Data w as collected b y i nterviewing mother and observing the house.

Results: T he pr oportion of r otavirus i nfection among childhood di arrhea w as 8.82%. The study indicated that: having diarrhea in family ($p=0.000$; OR=26.49), having c aregiver of child ($p=0.000$; OR=3.89) a nd treating w ater b y b oiling ($p=0.001$; OR=4.32) had significant relationship to chilhood diarrhea. Consuming unboiled dr inking water f rom i mproved w ater s ource ha d association w ith childhood diarrhea and increase the risk of diarrhea up to 6 times higher.

Conclusions: The childhood diarrhea in Tanah Grogot Subdistrict are related with inadequate cl ean w ater, co nsuming unboiled drinking water a nd l acking awareness o f p ersonal h ygiene am ong citizen. Thus, i ncreasing o f cl ean w ater facilities, i mproving kn owledge and h ygiene practices i n c ommunity w ould reduce childhood diarrhea morbidity in Tanah Grogot Subdistrict.

Keyword: diarrhea, under five, rotavirus, risk factors, Tanah Grogot