

ABSTRACT

Clean and Healthy Living Behavior in Household (PHBS Rumah Tangga) is an awareness or concept of healthy behavior for individuals, families or communities to create health and prevent disease. Diarrhea is a disease characterized by defecation more than three times a day with changes in the form and consistency of loose stools which may be accompanied by vomiting or bloody stools. In RW 02 Blandongan Village in 2022, 75 cases of diarrhea were found. The purpose of this study was to determine the relationship between environmental indicators on PHBS Rumah Tangga concept, namely the use of clean water, the behaviour of washing hands with soap and water (CTPS) and the use of healthy latrines with the incidence of diarrhea in RW 02 Blandongan Villages, Pasuruan City in 2023.

This research uses a correlative descriptive design using a contingent coefficient test to determine the correlation between variables. Retrieval of data using a questionnaire with a cross sectional approach. The number of samples is 148 respondents was taken by random sampling method.

Based on the descriptive analysis, it was found that 17 families had experienced diarrhea in the past month. Based on the correlation analysis, it is known that the strength of the relationship between the independent variables and the incidence of diarrhea is the dependent variable, that is the use of clean water has no significant correlation with very weak correlation strength ($C = 0.049$), CTPS behavior has a significant correlation with very moderate correlation strength ($C = 0.424$) and the use of healthy latrines did not have a significant correlation with very weak relationship strength ($C = 0.014$).

Based on the results of the study it can be concluded that the behavior of washing hands with soap and running water (CTPS) has a significant correlation with the incidence of diarrhea. While the use of clean water and the use of healthy latrines have no significant relationship with the incidence of diarrhea in RW 02 Blandongan Village, Pasuruan City.

Keywords: *Diarrhea, Water, CTPS, Latrines*