

ABSTRACT

Ardiansyah Widodo Utomo

”CORRELATION OF CLEAN WATER FACILITIES QUALITY WITH THE EVENT OF DIARRHEA IN TODDLERS AT KERTOSARI PUSKESMAS BANYUWANGI IN 2022”

V + 84 Pages + 7 Tables + 3 Figures + 3 Appendix

Kertosari Public Health Center Banyuwangi Regency reported 228 cases of diarrhea, 82 patients (36.0 %) at the age of toddlers, the remaining 146 cases (64.0%) at the age of over 5 years. In 2021 cases of diarrhea in children under five were 63 children (39.3%) and 97 patients (60.6%) aged over 5 years. Infection spreads through food, clean water, contaminated drinking water or from person to person as a result of poor hygiene. The results of the inspection of clean water facilities in Banyuwangi Regency obtained as many as 13.8% low risk, 6.5% high risk and very high, the rest were moderate risk.

The purpose of this study was to determine the relationship between clean water quality and the incidence of diarrhea in children under five at the Kertosari Health Center.

This research method is quantitative with an observational study approach. The research was conducted in the working area of the Kertosari Health Center covering the Kelurahan Kertosari, Kapatihan, Karangrejo and Panderejo. The number of samples is 39 clean water facilities used by toddlers with diarrhea in the Kertosari Health Center area in 2021.

The results of this study indicate the level of risk of clean water facilities for toddlers with diarrhea, 3 clean water facilities (10%) are at high and very high risk, 10 (33, 3%) medium risk clean water facilities and 17 (56.6%) low risk clean water facilities. The results of the SPSS test between the quality of clean water facilities and the incidence of diarrhea in children under five were obtained $p = 0.009$ (95% CI).

The conclusion of the study is that there is a significant relationship between the quality of clean water facilities and the incidence of diarrhea in children under five, it is suggested to the public to use clean water from facilities that meet the requirements and carry out good drinking water treatment.

Keywords: Diarrhea, Quality, Clean water facilities, Toddlers

Reading list: books, e-books, e-journals (2010-2021)