

# **THE RELATIONSHIP BETWEEN HOUSE SANITATION CONDITIONS AND HOUSEHOLD BEHAVIOR WITH THE INCIDENCE OF ARI AMONG CHILDREN UNDER FIVE IN DANDER VILLAGE IN 2022**

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## **ABSTRACT**

Environmentally Based Diseases is still a problem that often occurs. ARI (Acute Respiratory Infection) is an environment-based disease that is included in the top 10 diseases that occur in Indonesia. In Bojonegoro Regency, the highest cases were in the working area of the Dander Health Center. Dander Village is the number 1 village with the most ARI sufferers in toddlers aged 0-5 years. The condition of house sanitation and the behavior of the occupants is a factor in the occurrence of ARI disease. This study aims to determine the relationship between the sanitation conditions of the house and the behavior of the occupants of the house with the incidence of ARI in children under five in Dander Village in 2022

This type of research is Exposed Facto with a cross sectional research design with the research population of all ARI patients aged 0-5 years for the period October 2021 - March 2022, then calculations are carried out using the Leemeshow formula, the research sample is 153 respondents with details 102 respondents are sick and 51 respondents are not. sick. Random sampling. Collecting data by interviewing and observing the sanitation condition of the house and the behavior of the occupants of the respondent's house.

The results of the Chi-Square test showed that there was a relationship between the sanitation conditions of the house and the incidence of ARI ( $p=0.011$ ) with an RP value of 1.347 with a range of 1.056-1.719 and there was a relationship between the behavior of the occupants of the house and the incidence of ARI disease ( $p=0.003$ ) with an RP value. 1.410 with a range of 1.115-1.783. It is expected that respondents will fulfill the requirements of a healthy home and apply good behavior, for health services to continue to provide education to the community, for further research to add variables related to ARI and improve methods.

Keywords: ARI, Toddler, Condition of Home Sanitation, Behavior of Occupants of the House