ABSTRACT

MODELING CORRELATION BETWEEN HOME SANITATION AND ENVIRONMENTAL-BASED DISEASE INCIDENCE IN PONTUKDORO VILLAGE PLAOSAN DISTRICT MAGETAN REGENCY IN 2022

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ABSTRACT

Diseases of environmental origin are still problematic public health cases in the world. Cases are still high due to environmental factors, particularly various factors including home hygiene. This study aimed to elucidate the correlation between home sanitation and environmental-based disease incidence in pontukdoro village plaosan district magenta regency.

This research is *exposed facto* with design is *crosssectional.* The subjects of this survey are the residents of the village of Pontokdro in Brausan District, Magitan Province. The sampling techniques used in this study were *purposive sampling* and *fixed disease.*

The results show that the risk prevalence calculation was 3.36. Explain that the result of the statistical test was a p-value $(0.00) < (0.05)$ and the result of the correlation coefficient was a value of 0.511, which is a positive trend, it can be interpreted that there was a correlation between home sanitation and environmental-based disease incidence which is the level of the correlation is moderate. Modeling results show that Model 3 was the best model to use to explain the correlation between home sanitation and environmental-based disease incidence in pontukdoro village plaosan district magetan regency.

Key words   : home sanitation, environmental-based disease incidence