ABSTRACT

CORRELATION BETWEEN PROTECTIVE FACTOR AND LEVELS OF COMMUNITY RESILIENCE ON FACING FLOODS IN GEMPOLSARI SIDOARJO

CROSS-SECTIONAL STUDY

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Sidoarjo is one of the districts in the the province of East Java, which every year is always hit by floods. The survey shows that the villagers Gempolsari Sidoarjo has a fairly high level of resilience. Resilience is important for victims to be able to live again as before experiencing disaster. Resilience is influenced by several factors, including protective factors. The purpose this experiment is to study the relationship between protective factors with the resilience of communities against floods in the village Gempolsari Sidoarjo. The design study is quantitative descriptive correlation with cross sectional approach. The population in this study is the villagers of the District Gempolsari waas totaling 1038 people. The samples were 91 residents affected by flooding in RT 7.8, 9 and 11 who still live in the village Gempolsari. The independent variable is a protective factor. The dependent variable is the degree of resilience of communities facing flooding. The data collection instrument in the form of research using questionnaires afterwards analyzed with statistical Spearman rho *test with significance level* $\alpha = 0.05$. The results showed that the majority of people (65.9%) in Gempolsari has a protective factor in the moderate category and more than half of the public (50.5%) in the village of Gempolsari have a level of resilience in the medium category. Found a significant correlation ($p = 0.05$) between the protective factors and levels of community resilience in the face of a flood in Sidoarjo Gempolsari village, where the protective factors that have the strongest association is an impulse control ($r = 0.527$).The results of analysis showed that the protective factors that can increase the level of resilience of communities facing flooding. It is intended to deepen the research studies the relationship between resiliency and protective factors to take into account the presence of other risk factors.

Keywords: Protective Factors, Resilience, Natural Disaster, Floods, Sidoarjo.