

HOUSEHOLD WASTE MANAGEMENT BEHAVIOR USING THE 3R (REDUCE, REUSE, RECYCLE) CONCEPT IN PUNTUK DORO PLAOSAN VILLAGE, MAGETAN

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ABSTRACT

Background: Based on the preliminary study that has been conducted, the waste management behavior of people living in Puntuk Doro village is poor. It is known that 99% of people in Puntuk Doro village threw their garbage into the river and 93.3% of them burn plastic waste. This study aimed to determine factors that influence the poor behavior of household waste management using the 3R (Reduce Reuse Recycle) concept in Puntuk Doro Plaosan Village, Magetan.

Subjects and Method: This was a quantitative study with a cross-sectional approach. A random sample of 143 households was selected for this study. The dependent variable was the behavior of waste management with the 3R concept. The independent variables were knowledge, age, and occupation status. The data were collected by questionnaire and analyzed by multiple logistic regression.

Results: Knowledge (OR= 3.98; 95% CI= 1.85 to 8.56; $p < 0.001$), occupation (OR= 2.33; 95% CI= 1.09 to 4.99; $p = 0.029$), and age of head of household (OR= 5.47; 95% CI= 1.10 to 27.22; $p = 0.038$) increased waste management behavior.

Conclusion: Knowledge, occupation, and age increased waste management behavior.

Keywords: behavior, waste management, 3R concept

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