Environmental Sanitation Behaviour on Households in Sukakarya, Megamendung, Jawa Barat, Indonesia

Yusriani Sapta Dewi*
Universitas Satya Negara Indonesia
Indonesia

*Corresponding author’s Email: ysaptadewi@gmail.com
Research Highlights

This research proposed four hypotheses, and the results showed that there is a positive relationship between cohesiveness, social justice and innovativeness with environmental sanitation behaviour, either individually or all at once.

Graphical Abstract

\[ X_1 = \text{Cohesiveness} \]
\[ X_2 = \text{Social justice} \]
\[ X_3 = \text{Innovativeness} \]
\[ Y = \text{Environmental sanitation behaviour} \]

Research Objectives

The aim of this research is to analyze the influence of cohesiveness, social justice and innovativeness in environmental sanitation behaviour on households in the society of Sukakarya, Megamendung, Jawa Barat, Indonesia. The influence of independent variable was analyzed individually/separated with other variables. However, the influence of all variables at once on environmental sanitation behaviour was also tested.
Methodology

The method that was used was the survey method with the correlational technique. The data was taken using simple random sampling, and involved 85 households. The data was then analyzed using regression and correlation analysis. Before the data was analysed, its normality was tested using Liliefors, and its homogeneity tested using Bartlett test. The coefficient of determination of relationship between dependent and independent variable was calculated using second order correlation.

Results

The result of regression analysis between cohesiveness and environmental sanitation behaviour is the equation \( \hat{Y} = 60,138 + 0.214X_1 \), with a correlation coefficient \((r_{y1})\) of 0.327; which showed that there is a significant and linear relationship between cohesiveness and environmental sanitation behaviour. The result of regression analysis between social justice and environmental sanitation behaviour is the equation \( \hat{Y} = 55,736 + 0.278X_2 \) with a correlation coefficient \((r_{y2})\) of 0.349, which means that there is a significant and linear relationship between social justice and environmental sanitation behaviour. The result of regression analysis between innovativeness and environmental sanitation behaviour is the equation \( \hat{Y} = 42,685 + 0.435X_3 \) with a correlation coefficient \((r_{y3})\) of 0.308, which means that there is a significant and linear relationship between innovativeness and environmental sanitation behaviour. The result of regression analysis between all variables in unison (cohesiveness, social justice, and innovativeness) with environmental sanitation behaviour is the equation \( \hat{Y} = 9,574 + 0.170X_1 + 0.194X_2 + 0.324X_3 \) with a correlation coefficient of 0.490, which means that the more cohesiveness, social justice and innovativeness in a society, the better the environmental sanitation behaviour in that society.

Findings

There is a positive and significant relationship, either individually or in unison, between cohesiveness, social justice and innovativeness with environmental sanitation behaviour. It
means that if someone wants to improve the environmental sanitation behaviour in a society, then cohesiveness, social justice and innovativeness should be put into consideration.

References


