

**LOGISTIC REGRESSION ANALYSIS  
OF THE EFFECT OF INTERNET USE ON YOUTH PARTICIPATION  
ON THE ACTIVITIES OF KARANG TARUNA GROUPS IN INDONESIA**

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***ABSTRACT***

The purpose of this study is to know the stages of logistic regression analysis for the effect of internet use on youth participation in youth group activities Karang Taruna and to know effect of internet use on youth participation and to determine the variables affecting youth participation in youth group activities Karang Taruna.

Data used in this study were obtained from a longitudinal survey of the fifth wave of the Indonesia Family Life Survey (IFLS-5) which was taken in 13 provinces in Indonesia on 2014-2015. The research sample was youth aged 16 to 30 years with various different backgrounds. The independent variables used in this study were internet usage, area of residence, gender, age, marital status, religious obedience, employment status, education, economic status, health level, and outgoing personality and the dependent variable is youth participation. Since the dependent variable is a binary variable, the logistic regression analysis is the appropriate method.

The results explain that stages of the logistic regression analysis is form the logistic regression model, testing the logistic regression assumption, checking the influential observation, analyst the parameter significance, analyst the odds ratio and odds ratio interval for every explanatory variable, check the fit of the logistic regression model, analyst the leverage value and observe the outliers in the logistic regression model, and doing the stepwise analysis. Variables that affecting the youth participation in youth group Karang Taruna internet use, area of residence, gender, age, marital status, obedience, and employment status were statistically significant affecting the youth participation in youth group activities. The use of the internet increased the number of youth participation in youth group activities Karang Taruna by 24.61%. The odds ratio value of 1.279 indicated that the use of the internet increased youth participation in youth group activities Karang Taruna by 1.279 times compared to youth who do not use the internet.

Keywords: youth, internet, youth participation, logistic regression, youth group activities