ABSTRACT

Background: *The use of e-cigarette gradually increases especially for adolescents. This increase correlates with the lack of their knowledge about e-cigarette, the perception that e-cigarette is safer than conventional cigarette, and there are vape tricks with various flavours and tastes from e-cigarette which becomes a motive to try. This research's aim to analyze the correlation between knowledge and perception about e-cigarette from adolescent in Bangil, Pasuruan.* ***Methods:*** *This study was observational analytic with cross sectional approach conducted during September until October 2019. The subjects in this study were 76 respondents selected by purposive sampling method. The respondents were recruited in 3 cafes in Bangil by distributing questionnaires to those who met the inclusion criteria. The independent variables were respondent's knowledge level and perception about e-cigarette, while the dependent variable was vaping behavior. The data was analyzed with a nonparametric statistic (Spearman's rho correlation) by using the SPSS 18 program.* ***Results:*** *Based on the demographic characteristics of respondents, the mean and deviation standard of age are 21.20 ± 1.92 with overall respondents were males, the most usage status was dual user (43,4%) and most of the respondents use it less than one year (28,29%). From the analysis, there is a correlation of knowledge in vaping behavior with p value 0,019 (p <0,05). Perception also has a correlation in behavior with p value 0,000 (p <0,05) in adolescents who use electric cigarettes in Bangil.* ***Conclusion:*** *There is a correlation between respondent's knowledge and perception about e-cigarette in vaping behavior.*

Keywords: Knowledge, Perception, vaping behavior, e-cigarette, adolescent