ABSTRACT

**Background:** LGBT phenomenon is increasingly developing. LGBT is more daring to show its identity in public, even LGBT has spread to campuses, schools and other public places. For overcome this, health education efforts on LGBT are needed, especially for school students so as not to damage future generations.

**Objective:** Purpose of the research was to know effect of health education about LGBT on knowledge and attitude of vocational high school students of SMK N 7 Surakarta.

**Method:** The research was quantitative-comparative one with pre-experimental method and one group pre-posttest design. Sample was taken by using purposive sampling amounting 88 students. The variables were univariate and bivariate analyzed with Wilcoxon test, abnormal distribution of the data was examined by using normality test of One-Sample

**Results:** Univariate analysis on knowledge of the respondents after health education with counseling method were categorized as having good knowledge (96.6%). Attitude of respondents after the health education was categorized as positive (97.9%). Wilcoxon test on relationship between health education on LGBT and knowledge of the respondents indicated < 0.05 meaning that health education about LGBT had significant effect on knowledge of the respondents.

**Conclusion:** Significant effect of health education about LGBT on knowledge and attitude of students of SMKN 7 Surakarta was found.

**Key words:** LGBT, Health education, knowledge and attitude of students