

ABSTRACT

**THE INFLUENCE OF HEALTH EDUCATION OF BRAINSTORMING
METHOD AND BOOKLET PATIENT'S BEHAVIOR IN PREVENTING
OF TRANSMISSION PULMONARY TUBERCULOSIS
IN PUSKESMAS BABAT, LAMONGAN**

Quasy-Experimental Research (Pre-post test control group design)

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Introduction: Tuberculosis is an infectious disease caused by *Micobacterium tuberculosis*. This bacterium can be transmitted through droplet and every TB patient can spread to 10-15 new sufferers. Transmission of pulmonary tuberculosis can be due to poor behavior. Such behavior is influenced by the low TB client's knowledge about tuberculosis and prevention of transmission. The purpose of this study was to analyze the effect of health education using brainstorming method and booklet on pulmonary TB client's behavior for prevention of tuberculosis transmission. **Method:** This study used quasy-experimental design (pre-post test control group design). The population were pulmonary TB client who recorded at January until March in Puskesmas Babat and Kembangbahu Lamongan. The sample in this study were 30 respondents. Data were collected using questionnaire, and the analyzed using Wilcoxon Rank Test and Mann Whitney U Test with $\leq 0,05$ significance. **Result:** The result of this study from Wilcoxon Signed Rank Test showed that the intervention group were significantly improve knowledges ($p=0,001$), attitudes ($p=0,001$) and actions ($p=0,001$), while the control group are improving knowledges ($p=0,014$), but having no change of attitudes and actions. Mann Whitney U Test showed that there were differences in knowledges ($p=0,000$), attitudes ($p=0,000$) and actions ($p=0,000$) between intervention group and control group in post intervention. **Discussion:** It can be concluded that a health education using brainstorming and booklet to pulmonary TB clients can improve knowledge, attitudes and actions to prevent transmission tuberculosis. Health education using brainstorming method and booklet can be used as an alternative method of health education to prevent transmission tuberculosis and decrease accident of tuberculosis.

Keyword: brainstorming, booklet, behavior, prevention of transmission, tuberculosis