

## ABSTRACT

### EFFECTIVENESS OF REWARD AND PUNISHMENT METHOD AND STORYTELLING METHOD IMPROVE PRESCHOOL'S TOOTH BRUSHING BEHAVIOR

Comparative Study in Perwanida Kindergarten, Sidoarjo

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**Introduction.** Lack of information in tooth brushing cause less attention to tooth brushing's behavior in preschool children. Hence, health education was needed. This study was aimed to analyze the effectiveness of health education using reward and punishment method and storytelling method to improve preschool's tooth brushing behavior.

**Methods.** The population in this quasy experiment study were students B class at Perwanida kindergarten, Sidoarjo in June 2014. The 30 respondents who met inclusion criteria were taken with purposive sampling technique and divided into reward and punishment group and storytelling group. The data were collected by using structured interview and observation, then were analyzed by wilcoxon signed rank test and mann whitney u test with signification value was  $\alpha \leq 0,05$ .

**Result and Analysis.** The result showed an increase of preschool's knowledge, attitude, and action. Preschool's knowledge, attitude and action in both of groups have scores less than 0,005. The Mann Whitney score revealed  $p = 0.005$  for knowledge,  $p = 0,662$  for attitude and  $p = 0.252$  for action. It means there was a significant difference of knowledge, but no significant difference of behavior and action in tooth brushing behavior

**Discussion and Conclusion.** The result showed that health education using storytelling method was more effective than the other. It is recommended for nurses to apply storytelling method to providing health education especially in preschool's tooth brushing. Further, research is suggested to measure preschool's tooth brushing by another method.

**Keywords:** tooth brushing, reward and punishment, storytelling