

# THE EFFECTIVENESS OF THE STORY BOOK WITH PICTURE ON ORAL HEALTH KNOWLEDGE OF DEAF STUDENTS

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## ABSTRACT

**Background:** Disabilities is a limitation on the ability of people such as hearing impairment. The world population of hearing loss is 360 million. Oral health status of deaf children is worse than normal children. Oral hygiene status of 63.9% deaf students in Tomohon is in moderate category. Studies showed correlation between knowledge of oral health and oral health status. Oral health education requires the media for learning. The aim of this study is to determine the effectiveness of story book with picture in oral health education of deaf students in SDLB-B Karya Mulia I Surabaya.

**Materials and Methods:** This study uses a non-randomized quasi experimental pre-test and post-test control group design. The research was conducted at SDLB-B Karya Mulia I Surabaya which has 36 students without any other disability and willing to be the respondents. The sample was divided into two groups: the experimental group and the control group. The experimental group is given oral health education using story book with picture while control group uses lecture with sign language. The research instrument uses questionnaires.

**Result:** There is a significant increasing in post-test of the deaf students knowledge in experimental group than in pre-test. The comparison test between experimental and control group showed difference with p value < 0.005.

**Conclusion:** The study showed that story book with picture is effective in increasing knowledge of deaf students. There is significant difference in knowledge after this study.

**Keywords:** Story book with picture, oral health education, deaf student