

ABSTRACT

THE EFFECT OF PLAYING BRIPDENT (BRIDGE PUZZLE DENTAL) FOR DENTAL CARIES PREVENTION ON STUDENTS SCHOOL SURABAYA

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Health education is one of nursing interventions that aimed to change behavior in increasing health state. BRIPDENT game is a creative idea from nurse that combine two games : educationase added puzzle and bridge where by pictures and dental caries prevention to each puzzle and bridge.

This study was a quasy-experimental using pretest-posttest control group design. The population was 4th-grader-students' at MI Al-Azhar School comprises 18 respondents as the treatment group and 18 respondents as control group. Data were collected by using questionnaire and observation and then analyzed using significance of ≤ 0.05 Wilcoxon sign rank test and Mann Whitney U test.

Results show that BRIPDENT health education effecting positively the knowledge, attitude, and skills of respondents on the treatment group with $p=0.000$, $p=0.011$, and $p=0.001$ respectively. Adversely, the level of knowledge, attitude, and skills of respondents on the control group show no statistically significant result with $p=0.317$, $p=0.564$, and $p=0.317$ respectively. The statistical analysis show that there were differences in posttest results between control group and treatment group with $p=0.000$ (knowledge), $p=0.021$ (attitude), and $p=0.001$ (skills in preventing dental caries).

It can be concluded that BRIPDENT health education with on dental caries can increase the level of knowledge, attitude and action of 4th-grader-students' in dental caries prevention. This as health provider, nurses can use BRIPDENT games to achieve optimal results when giving health education students.

Keywords: health education, dental caries, prevention, BRIPDENT, knowledge, attitude, skills, students