ABSTRACT

THE EFFECT OF PLAYING BRIPDENT (BRIDGE PUZZLE DENTAL) FOR DENTAL CARIES PREVENTION ON STUDENTS IN MI AL-AZHAR SCHOOL DUKUH SETRO RAWASAN SURABAYA

Quasy Experiment

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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 nurses that combine two games : educationase added puzzle and bridge where by pictures and dental caries prevention to each puzzle and bridge. This study aimed to examine influence of BRIPDENT health education on dental caries prevention in changing 4th-grader students’ knowledge, attitude, and skills about dental caries prevention at MI Al-Azhar School, Dukuh Setro Rawasan Surabaya.

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. Respondents were recruited randomly according to simple random sampling. 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