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Effectivity of Teacher Motivation on Dental and Oral Hygiene of Elementary School Students

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Abstract

Background: Dental and oral diseases can be prevented by keeping them clean through toothbrushing in a proper way. The behavior of the brushing of the students can be influenced by an external motivation by their teacher. The purpose of this study is to identify the influence of teacher motivation on the improvement of dental and oral hygiene of Elementary School students in Bangli regency, Indonesia.

Method: This research is an experimental study with a pre-test and post-test control group design. The sample was 248 students, from ten elementary schools randomly chosen in each district, then grouped into an intervention group and control group. The data which was collected are dental and oral hygiene in before and after the intervention. The data was analyzed using Wilcoxon Signed Rank Test and Mann Whitney Test.

Results: The result of OHS on intervention group obtain p-value in 0.000 which is less than 0.05. Meaning that there is a significant difference of dental and oral hygiene of the respondent before and after the intervention. Meanwhile on the control group, the p-value is 0.284, more than 0.05. Meaning that there is no significant difference in dental and oral hygiene before and after the intervention. Mann Whitney Test OHS intervention group and control group has sig=0.000, less than 0.05 which means there is a significant difference in the dental and oral hygiene of the intervention group and control group before and after the intervention.

Conclusion: In conclusion, the teacher motivation on dental and oral hygiene for the student is effective to increase the dental and oral hygiene of the 3rd grade elementary school students.

Keywords: Motivation, OHS, student, teacher.

Introduction

Children are vulnerable to dental and oral disease because of their teeth changes from deciduous to permanent. Therefore, there are some oral health problems can be found such as persistence in which deciduous teeth have not yet fell off, while the permanent

teeth have already arisen. Dental decay is the infectious disease which is resulted by the problem of disruption of normal oral bacteria and overgrowth cariogenic organism⁽¹⁾⁽²⁾⁽³⁾. In addition, gingivitis can also attack as it is also common disease among population in which may result as tooth loss⁽⁴⁾. All the problems of dental including to dental caries mostly caused by the health behavior⁽⁵⁾. The ability to keep the dental and oral health are influenced by some factors such as knowledge and willingness. The willingness of someone to do something is strongly influenced by a motivation, internally or influenced by others⁽⁶⁾. Especially for elementary student, the motivation may come from their teacher to do some act such as how to keep their dental and oral health properly. Teacher

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