

The Use of Educational Media Snakes and Ladders Dental Health in Improving Dental and Oral Health Knowledge of Students of Class 3 Madrasah Ibtidaiyah II City of Palembang

Masayu Nurhayati^{1*}, Listrianah², Yufen Widodo³

Department of Dental, Poltekkes Kemenkes Palembang

Corresponding Author: Masayu Nurhayati masasyunurhayati@gmail.com

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ABSTRACT

Dental and oral health problems are experienced by many school-age children. The cause is less parental knowledge. The purpose of this study was to increase children's knowledge of maintaining oral and dental hygiene. this method uses pretest-posttest. The target is 30 Madrasah students. The results showed that the use of snakes and ladders educational media about dental and oral hygiene increased knowledge and changed attitudes before playing snakes and ladders media. From the snake and ladder game, it is proven that it can increase the knowledge of 3rd grade Madrasah students in maintaining oral and dental hygiene. This can be seen from the results of the pretest-posttest and evaluations that have been carried out.

INTRODUCTION

School-age children are a period of vulnerability to dental and oral health problems. School-age children are a period of vulnerability to dental and oral health problems. At that age is the early age where milk teeth begin to change into permanent teeth. These changes make the teeth more susceptible to decay. In general, children's oral hygiene is worse because children consume more food and drinks that cause dental caries than adults.

Dental caries is a serious health problem in school-age children. Dental caries can damage tooth structure and cause cavities. (Harlina, 2011; Potter & Perry, 2012). Basic Health Research (RISKESDAS) In 2018, an assessment of the proportion of the population with dental and oral health problems in the last 12 months, the characteristics of the 5-9 year age group, the population with dental and oral health problems was 28.9%.

This play method raises awareness of maintaining oral and dental health through the stages of providing knowledge in a fun way by involving children directly. After participants know about how to maintain proper oral and dental health and its benefits, it is hoped that real attitudes and behaviors will grow to maintain dental and oral health. Counseling efforts are provided as attractively as possible with animations and games that also sharpen children's brains.

The most common dental and oral health problem experienced by school-age children is dental caries. Dental caries is one of the dental and oral health problems. Dental caries occurs due to damage to the hard tissues of the teeth which include enamel, dentin, and cementum (Bertness and Holt, 2009). Children aged 6-14 years are a vulnerable and critical age that can be affected by dental caries and at that age has a special characteristic, namely the period when there is a transition from milk teeth to permanent teeth. (Pay, Widiati and Sriyono, 2017).

One of the causes of dental and oral health problems in the community is due to behavioral factors or attitudes of ignoring dental and oral hygiene, where behavior is formulated as the totality of a person's appreciation and activity which is a joint or resultant result between various factors, one of these factors is knowledge (Notoatmodjo, 2008).

One effective method is the play method, which is an activity with or without using something where pleasure, information, and even imagination are given to something (Gondoyuwono et al, 2011).

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THEORETICAL REVIEW

In general, children's oral hygiene is worse because children consume more food and drinks that cause dental caries than adults. Dental caries is a serious health problem in school-age children. Dental caries can damage tooth

structure and cause cavities. (Harlina, 2011; Potter & Perry, 2012). Basic Health Research (RISKESDAS). In 2018, an assessment of the proportion of the population with dental and oral health problems in the last 12 months, the characteristics of the 5-9 year age group, the population with dental and oral health problems was 28.9%. The most common dental and oral health problem experienced by school-age children is dental caries. Dental caries is one of the dental and oral health problems. Dental caries occurs due to damage to the hard tissues of the teeth which include enamel, dentin, and cementum (Bertness and Holt, 2009).

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METHODOLOGY

In this study, the researcher gave a pretest and posttest before and after playing the snake and ladder game. Then observing the difference in the value difference, the results obtained are values that continue to increase. The target of this research is the 3rd grade students of Madrasah Ibtidaiyah Adabiyah II Palembang city. Data were collected by the following procedures: conducting a pretest by measuring providing knowledge of dental and oral health with a questionnaire for 10 minutes.

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RESULTS AND DISCUSSIONS

It was found that there was an increase in knowledge related to dental and oral hygiene of children at Madrasah Ibtidaiyah Adabiyah II Palembang. This is in accordance with the research of Nurhayati, et al (2020), the effect of the snake and ladder game in improving the dental and oral hygiene of children at SD Negeri 1 Palembang.

Dental and oral health education are all means and efforts to display information messages to be conveyed by communicators so that the target can improve their knowledge which is ultimately expected to change their behavior in a positive direction towards dental and oral health Health education. Teeth can play a role in changing the behavior of individuals and community groups in accordance with health values. The expected behavior change is to be able to maintain and improve dental and oral hygiene (Fatmawati, 2020). Health education by using snake and ladder games is more effective because it can increase children's knowledge about dental and oral health.

Based on the results of children's knowledge on how to maintain dental and oral hygiene using snakes and ladders educational media at Madrasah Ibtidaiyah Adabiyah II Palembang. The results obtained from the Game on the Pretest Posttest, and Evaluation are as follows :

Table 1. The Results Obtained from the Game on the Pretest, Posttest, and Evaluation

KRITERIA	NILAI	PRETEST N	POSTTEST N	EVALUASI N
Baik	75% - 100%	10	30	30
Cukup	56% - 74%	14	-	-
Kurang	< 56%	6	-	-

It can be seen from the table above that after playing games using educational media snakes and ladders, there was an increase in children's knowledge about how to maintain oral hygiene.

CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the snake and ladder game from beginning to end, it was found that there was an increase in knowledge related to dental and oral hygiene of children at Madrasah Ibtidaiyah Adabiyah II Palembang. This is in accordance with the research of Nurhayati, et al (2020), the effect of the snake and ladder game in improving the dental and oral hygiene of children at SD Negeri 1 Palembang.

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FURTHER STUDY

This play method raises awareness of maintaining oral and dental health through the stages of providing knowledge in a fun way by involving children directly. After participants know about how to maintain proper oral and dental health and its benefits, it is hoped that real attitudes and behaviors will grow to maintain dental and oral health. Counseling efforts are provided as attractively as possible with animations and games that also sharpen children's brains.

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