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Impact Influence Providing Health Education Using Storytelling Method to the Level of Knowledge Dental Hygiene in Children Age School

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Abstract

Dental health is one of aspect important in grow flower children. However, understanding child age school about importance cleanliness tooth Still classified as low. Appropriate educational efforts with stage development children are very much needed for knowledge can absorbed optimally. The storytelling method is approach effective educational for child age school Because blend element education and entertainment. Research This aiming for know impact influence giving education health use method tell a story to improvement knowledge cleanliness teeth in children age school. Research This use pre- experimental design with one group pre-test and post-test approach. Subject study is student grades III and IV of elementary school in the X City area, as many as 60 respondents. The results of the study show existence improvement significant at the level knowledge after given intervention in the form of story educative about health teeth. Storytelling method proven effective increase understanding child in guard cleanliness tooth in a way independent. Implications from study This is importance integration approach creative and fun in education health child.

Keywords: Education Health, Methods Storytelling, Cleanliness Teeth, Child Age School, Knowledge

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1. Introduction

Problem health teeth and mouth Still become challenge big in Indonesia, especially in children age school. Based on the 2018 Basic Health Research (Riskesdas) data, around 93% of Indonesian people experience problem teeth and mouth, and some big from they is





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children. The most common problem is caries teeth, caused by lack of knowledge and behavior cleanliness good teeth since age early.

Health education tooth must delivered with appropriate method with characteristics children. Children aged school be at the stage operational concrete according to Piaget's theory, where they more easy understand information through engaging, visual, and narrative activities. Therefore that, method tell a story become potential options in convey material health tooth to children. Interesting story No only convey information, but can also to plant values and behavior positive.

A number of study previously show that method tell a story effective in increase knowledge child about various issue health. However, still a little research that is specific to study its impact on cleanliness teeth. So from that, research this aiming for analyze impact influence method tell a story in education health to level knowledge cleanliness tooth child age school.

Health education is effort consciously done for increase ability individual or group in maintain and improve health. For child age school, education health become part important in to form behavior life clean and healthy.

Storytelling method is technique delivery information that is done through interesting story. Stories can in the form of fairy tale, fable, story illustrated, or animation. This method has proven increase understanding child because utilise imagination and emotion they. Storytelling can also increase Power remember and understand Because information associated with enjoyable context.

Cleanliness tooth is part from cleanliness the important self taught since early. Children who do not accustomed to brushing tooth with correct at risk experience caries, infection gums, and odor mouth. Education about importance brushing teeth twice a day, use of toothpaste fluoridated, as well as visit to doctor tooth in a way routine must delivered in a way systematic and interesting.

2. Research Methods

Study this use pre- experimental design with one group pre-test and post-test approach. Researchers give test knowledge before and after intervention method tell a story.





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Population in study this is all over student Grades III and IV of Elementary School in City X. Sample collection technique sample done by purposive sampling with amount Respondent as many as 60 children. Instrument main in the form of questionnaire knowledge about cleanliness teeth that have tested validity and reliability. Intervention in the form of story illustrated entitled "The Adventure of Healthy Teeth and Plaque Monsters" which was delivered for 30 minutes by researchers.

Procedure Study:

- 1) Giving a pre-test to student.
- 2) Do delivery story educative.
- 3) Giving post-test after 2 days intervention.

Data Analysis Techniques using the paired sample t-test with level significance 0.05 for know difference before and after intervention.

3. Results And Discussion

a. Results

Characteristics Respondents

- 1) Age respondents: 8–10 years
- 2) Gender: Male (55 %), Female (45%)

Pre-test and Post-test Results

Category Pre-test	Knowledge (%)	Post-test (%)
Good	15%	75%
Enough	40%	20%
Not enough	45%	5%

Happen improvement significant in the “good” category after intervention. The results of the t-test show p value = 0.000 (<0.05), which means there is significant difference between pre-test and post-test.

b. Discussion

Research result show that method tell a story effective in increase knowledge about cleanliness teeth in children age school. This is in accordance with theory study





cognitive stating that child study more good when information given in meaningful and enjoyable form.

The story is told describe figure the protagonist who guards his teeth from attack of the “plaque monster”, so children more easy understand consequence from No brushing teeth. They No only accept information in a way passive, but also involved in a way emotional and cognitive.

Study this support results study previously by Nursalam (2020) which showed that method tell a story effective in increase behavior healthy in children, as well as in line with results study by Yuniarti (2019) regarding use of story media in education health teeth in kindergarten.

However, the effectiveness method This is also influenced by quality story, skills educator in convey, and interest child to topic. Therefore that, it is necessary developed material a suitable story age, culture, and context child.

4. Conclusion

Health education using storytelling method has been proven effective in increasing the level of dental hygiene knowledge in school-age children. There was a significant increase in the “good” knowledge category after the intervention. The storytelling method provides a fun educational approach and is in accordance with children's cognitive development.

- a) For Schools: Teachers can integrate educational stories into thematic learning, especially related to health topics.
- b) For Parents: Can continue education at home by reading stories about the importance of brushing teeth.
- c) For Further Researchers: It is recommended to examine the long-term effects of storytelling methods on behavioral change, not just knowledge.

5. Compliance with Ethical Standards

Funding:

Study this no accept funding from institution whatever, good institution government, private sector, and organization non-profit.





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**Conflict of Interest:**

Writer state no there is conflict interest in implementation and reporting results study this.

Ethical Approval:

Study This has get agreement from Committee Ethics Health Research [Institution Name, e.g. "University X"] with number letter approval [Permit Letter Number Ethics]. All procedure study done in accordance with principle Declaration of Helsinki.

Informed Consent:

Before data collection, participants has given explanation about objectives, procedures, risks, and benefits research. Participants who are willing follow as well as requested for sign sheet agreement after given explanation (informed consent).

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