



Digital Receipt

This receipt acknowledges that Turnitin received your paper. Below you will find the receipt information regarding your submission.

The first page of your submissions is displayed below.

Submission author: Sagung Agung Putri Dwiastuti
Assignment title: Cek kemiripan
Submission title: Increasing Oral Hygiene Level with Android-Based Healthy F...
File name: ng_Oral_Hygiene_Level_with_Android-Based_Healthy_Food_E-...
File size: 270K
Page count: 5
Word count: 2,594
Character count: 14,066
Submission date: 02-Feb-2022 09:26PM (UTC+0700)
Submission ID: 1753436440

 ISSN: 03875547
Volume 44, Issue 02, February, 2021

Increasing Oral Hygiene Level with Android-Based Healthy Food E-book

Jusuf Kristianto¹, Ita Astiti², Sagung³, Johan Arief Budiman⁴

Health Polytechnic Ministry of Health Jakarta I, Indonesia¹
Health Polytechnic Ministry of Health Denpasar, Bali, Indonesia²
Faculty of Dentistry, Trisakti University, Jakarta, Indonesia³

Corresponding author: 3* 

Keywords: Android-based Healthy Food E-book, Dental and Oral Hygiene, Knowledge, Parents' Role.

ABSTRACT
Many methods are used to get the maximum oral health, through promotion, such as toothbrush education and demonstration for elementary school children. One way to improve children's behavior in maintaining oral and dental hygiene is to provide dental health education about how to brush teeth properly and correctly by using tools or media that are popular with children nowadays. According to current trends, the Android-based Healthy Food e-book is one of the right methods to change children's behavior. This study aims to determine the effect of an Android-based healthy food E-book on improving knowledge, parents' role, and the Debris Index. This is quasi-experiment research. Samples of 150, 5th-grade elementary students, are divided into control and intervention groups. The intervention group was given dental health education with a brushing demonstration using a jaw model and accompanied by an Android-based healthy food E-book, and the control group was given dental health education only. The data of the Debris Index were gathered by 4-time-weekly examinations. Knowledge and Parents' role were gathered by questionnaire before and after the intervention. The data were analyzed with t-test (p<0.05). The results showed that there were significant differences (p<0.05) in the Debris Index, knowledge, and parents' role in improving oral and dental hygiene between the intervention and control groups. This study concludes that counseling with an Android-based healthy food e-book, as a breakthrough innovation, accompanied by brushing teeth demonstrations, can reduce the debris index, following increasing knowledge and parents' role to improve dental and mouth hygiene.

 This work is licensed under a Creative Commons Attribution Non-Commercial 4.0 International License.

1. INTRODUCTION
The percentage of people with dental and mouth problems according to National Basic Health Research in 2007 and 2013 increased from 23.2% to 25.9%. The population who have dental and oral health problems, the percentage of people receiving dental care increased from 29.7% in 2007 to 31.1% in 2013. Similarly, the Effective Medical Demand (EMD), is defined as the percentage of people who have problems with teeth

741