

**PROGRAM STUDI S1 KEPERAWATAN FAKULTAS KEPERAWATAN  
INSTITUT KESEHATAN PAYUNG NEGERI PEKANBARU**

**Penelitian, 13 Juli 2026**

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**Pengaruh Edukasi Kesehatan Menggunakan Media *Digital Based Pop-Up Book* Terhadap Pengetahuan Kesehatan Gigi Pada Siswa Sekolah Dasar Negeri 17 Pekanbaru**

**Xv+ 93 halaman + 10 tabel + 1 gambar + 11 lampiran**

**ABSTRAK**

Masalah kesehatan gigi dan mulut di Indonesia masih menjadi isu kesehatan masyarakat yang signifikan, terutama pada anak usia sekolah dasar yang rentan terhadap karies gigi. Salah satu faktor utama memengaruhi kondisi tersebut adalah kurangnya pengetahuan mengenai kesehatan gigi dan mulut. Edukasi kesehatan dengan media yang menarik diperlukan agar informasi lebih mudah dipahami oleh anak. Penelitian ini bertujuan untuk mengetahui pengaruh edukasi kesehatan menggunakan media *Digital Based Pop-Up Book* terhadap pengetahuan kesehatan gigi pada siswa kelas 1 Sekolah Dasar Negeri 17 Pekanbaru. Penelitian ini merupakan penelitian kuantitatif dengan desain *Quasi-Experiment* menggunakan *One Group Pre-test and Post-test Design*. Sampel penelitian berjumlah 55 responden yang dipilih menggunakan Teknik *Stratified Random Sampling*. Instrumen penelitian berupa kuesioner pengetahuan kesehatan gigi yang telah memenuhi uji validitas dan reliabilitas (*Cronbach's Alpha* = 0,885). Hasil uji univariat menunjukkan rata-rata skor pengetahuan sebelum intervensi sebesar 5,56, sedangkan setelah intervensi meningkat menjadi 9,20. Hasil uji bivariat menggunakan *Wilcoxon* menunjukkan nilai *p value* 0,001 ( $p < 0,05$ ), yang berarti terdapat pengaruh signifikan edukasi kesehatan menggunakan media *Digital Based Pop-Up Book* terhadap pengetahuan kesehatan gigi siswa. Media *Digital Based Pop-Up Book* merupakan media edukasi yang mengintegrasikan elemen visual, audio, dan interaktif sehingga mampu menyajikan materi kesehatan gigi secara menarik dan mudah dipahami sesuai dengan karakteristik perkembangan anak sekolah dasar. Karakteristik tersebut sesuai dengan perkembangan kognitif anak sekolah dasar sehingga dapat membantu meningkatkan pemahaman dan pengetahuan kesehatan gigi siswa. Dengan demikian, media *Digital Based Pop-Up Book* dapat menjadi salah satu alternatif media edukasi dalam meningkatkan pengetahuan kesehatan gigi pada siswa sekolah dasar.

Kata kunci: Pengetahuan kesehatan gigi, edukasi kesehatan, *Digital Based Pop-Up Book*, siswa sekolah dasar

Daftar Pustaka: 48 (2021 – 2026)

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**The Effect of Health Education Using Digital Based Pop-Up Book Media on  
Dental Health Knowledge Among Students at SD Negeri 17 Pekanbaru**

**Xv + 93 pages + 10 tables + 1 figure + 11 appendices**

**ABSTRACT**

*Oral and dental health problems remain a significant public health issue in Indonesia, particularly among elementary school children who are vulnerable to dental caries. One of the main factors contributing to this condition is the lack of knowledge regarding oral and dental health. Health education using engaging educational media is needed to help children understand health information more easily. This study aimed to determine the effect of health education using the Digital Based Pop-Up Book media on dental health knowledge among first-grade students at SD Negeri 17 Pekanbaru. This study employed a quantitative research design using a Quasi-Experimental approach with a One Group Pre-test and Post-test Design. The study sample consisted of 55 respondents selected using the Stratified Random Sampling technique. The research instrument was a dental health knowledge questionnaire that had met the validity and reliability requirements (Cronbach's Alpha = 0.885). The univariate analysis showed that the mean knowledge score increased from 5.56 before the intervention to 9.20 after the intervention. The bivariate analysis using the Wilcoxon Signed-Rank Test showed a p-value of 0.001 ( $p < 0.05$ ), indicating a significant effect of health education using the Digital Based Pop-Up Book media on students' dental health knowledge. The Digital Based Pop-Up Book is an educational medium that integrates visual, audio, and interactive elements, enabling dental health information to be presented in an engaging and easily understandable manner according to the developmental characteristics of elementary school children. These characteristics are consistent with the cognitive development of elementary school children and can help improve their understanding and knowledge of dental health. Therefore, the Digital Based Pop-Up Book can serve as an alternative educational medium for improving dental health knowledge among elementary school students.*

**Keywords:** dental health knowledge, health education, Digital Based Pop-Up Book, elementary school students

**References:** 48 (2021–2026)