

PENGARUH MEDIA KOMIK TERHADAP PENGETAHUAN TENTANG KARIES DAN MINAT PENUMPATAN GIGI PADA ANAK SEKOLAH

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ABSTRAK

Latar Belakang: Berdasarkan data dari SKI menunjukkan prevalensi karies gigi pada anak usia 10-14 tahun sebanyak 37,2%. Provinsi DI Yogyakarta menunjukkan prevalensi masalah kesehatan gigi dan mulut terutama pada karies gigi sebesar 41,7%, yang melakukan penumpatan gigi hanya sebesar 21,3%. Perlu dilakukan promosi menggunakan media komik untuk peningkatan pengetahuan tentang karies dan minat penumpatan gigi anak sekolah

Tujuan: Diketuinya pengaruh media komik terhadap pengetahuan tentang karies dan minat penumpatan pada anak sekolah.

Metode: Penelitian ini *quasi experiment* dengan rancangan *Pretest-Posttest with control group design*, Teknik *total sampling* dengan jumlah sampel 60 responden yang dibagi menjadi dua kelompok pada siswa/i SD Negeri Krpyak kelas IV dan V yang dilaksanakan pada bulan Agustus 2025. Instrumen kuesioner terdiri dari kuesioner pengetahuan dan minat. Menggunakan Uji analisis *Wilcoxon Signed Rank Test* dan uji *Mann-Whitney U-Test*.

Hasil: Diketahui pengetahuan pada kelompok eksperimen sebelum promkes rerata $8,83 \pm 1,984$ menjadi $13,20 \pm 0,887$, pada kelompok kontrol sebelum promkes $6,87 \pm 1,783$ menjadi $12,40 \pm 1,221$. Minat pada kelompok eksperimen sebelum promkes rerata $23,73 \pm 1,964$ menjadi $32,43 \pm 0,817$, pada kelompok kontrol sebelum promkes $23,87 \pm 2,968$ menjadi $31,20 \pm 2,235$. Hasil uji wilcoxon ada perbedaan bermakna sebelum dan sesudah pada pengetahuan dan minat setelah promosi dengan komik dan *booklet* didapatkan nilai $p < 0,05$, Hasil Uji Mann Whitney variabel pengetahuan hasil *p-value* 0,018 artinya terdapat perbedaan signifikan, pada variabel minat hasil *p-value* 0,079 artinya tidak terdapat perbedaan signifikan pada kelompok eksperimen dan kontrol.

Kesimpulan: Adanya pengaruh promosi menggunakan media komik terhadap peningkatan pengetahuan tentang karies dan minat penumpatan gigi pada anak sekolah

Kata Kunci: Media Komik, Pengetahuan Tentang Karies, Minat Penumpatan Gigi

THE INFLUENCE OF COMICS MEDIA ON KNOWLEDGE ABOUT CARIES
AND INTEREST IN DENTAL FILLINGS AMONG
SCHOOL CHILDREN

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ABSTRACT

Background: Based on data from SKI, the prevalence of dental caries in children aged 10-14 years is 37.2%. The province of DI Yogyakarta shows a prevalence of dental and oral health problems, especially dental caries, of 41.7%, with only 21.3% undergoing dental fillings. It is necessary to promote the use of comic books to increase knowledge about dental caries and interest in dental fillings among school children.

Objective: To determine the effect of comic books on knowledge about dental caries and interest in dental fillings among school children.

Method: This study is a quasi-experimental design with a pretest-posttest control group design, using total sampling with a sample size of 60 respondents divided into two groups of fourth and fifth-grade students at Krapyak State Primary School, conducted in August 2025. The questionnaire instrument consisted of knowledge and interest questionnaires. The Wilcoxon Signed Rank Test and Mann-Whitney U-Test were used for analysis.

Results: Knowledge in the experimental group before health promotion was 8.83 ± 1.984 on average, becoming 13.20 ± 0.887 , while in the control group before health promotion it was 6.87 ± 1.783 , becoming 12.40 ± 1.221 . Interest in the experimental group before the health promotion averaged 23.73 ± 1.964 and became 32.43 ± 0.817 , while in the control group before the health promotion it averaged 23.87 ± 2.968 and became 31.20 ± 2.235 . The Wilcoxon test results showed a significant difference before and after the promotion in terms of knowledge and interest after the promotion using comics and booklets, with a p-value of <0.05 . The Mann Whitney test results for the knowledge variable showed a p-value of 0.018, meaning that there was a significant difference, while for the interest variable, the p-value was 0.079, meaning that there was no significant difference between the experimental and control groups.

Conclusion: The effect of promotion using comic books on increasing knowledge about tooth decay and interest in dental fillings among school children

Keywords: Comic Media, Knowledge About Caries, Interest in Dental Fillings