

**THE EFFECT OF DESIGIAT VIDEO MEDIA
ON KNOWLEDGE AND INTEREST IN
PREVENTING GINGIVITIS**

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ABSTRACT

Background: Gingivitis is one of the common oral health problems frequently experienced by adolescents due to a lack of knowledge and awareness in maintaining oral hygiene. This condition can cause swollen gums, bleeding, and may progress to periodontitis if left untreated. National health surveys show that the prevalence of oral health problems in Indonesia remains high, with adolescents being one of the vulnerable groups. Therefore, promotive efforts through effective and engaging educational media are essential. One alternative is the DESIGIAT video, which delivers information visually, interactively, and in an easy-to-understand manner.

Objective: To determine the effect of DESIGIAT video media on knowledge and interest in preventing gingivitis.

Methods: This study employed a quasi-experimental design with a pretest–posttest control group. A total of 72 respondents participated, consisting of 36 respondents in the experimental group who received education using the DESIGIAT video and 36 respondents in the control group who received education using PowerPoint. The instruments used were knowledge and interest questionnaires on gingivitis prevention. Data were analyzed using the Wilcoxon Signed Rank Test and the Mann-Whitney test.

Results: After the intervention, knowledge in the experimental group significantly increased, with 58.3% reaching the good category. Interest in gingivitis prevention also improved more than in the control group. Statistical tests showed Asymp.Sig (p) = 0.000 (<0.05) for both variables, indicating a significant effect of the DESIGIAT video on improving knowledge and interest.

Conclusion: The DESIGIAT video proved to be more effective than PowerPoint in enhancing students' knowledge and motivation to prevent gingivitis, making it a potential medium for oral health promotion among adolescents.

Keywords: DESIGIAT Video, Gingivitis, Knowledge, Interest

PENGARUH MEDIA VIDEO DESIGIAT TERHADAP PENGETAHUAN DAN MINAT MELAKUKAN PENCEGAHAN GINGIVITIS

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ABSTRAK

Latar Belakang : Gingivitis merupakan salah satu masalah kesehatan gigi dan mulut yang sering dialami remaja akibat kurangnya pengetahuan dan kesadaran dalam menjaga kebersihan gigi. Kondisi ini dapat menyebabkan gusi mudah berdarah, bengkak, hingga berkembang menjadi periodontitis jika tidak ditangani. Berdasarkan hasil survei kesehatan, prevalensi masalah gigi dan mulut di Indonesia masih tinggi, dan remaja termasuk kelompok yang rentan. Oleh karena itu, diperlukan upaya promotif melalui media edukasi yang menarik dan efektif, salah satunya video DESIGIAT yang menyajikan informasi secara visual, interaktif, dan mudah dipahami.

Tujuan : Mengetahui pengaruh media video DESIGIAT terhadap pengetahuan dan minat melakukan pencegahan gingivitis.

Metode : Penelitian ini menggunakan desain quasi experimental dengan rancangan pretest–posttest control group. Sampel berjumlah 72 responden, dibagi menjadi kelompok eksperimen (36 responden, mendapat edukasi melalui video DESIGIAT) dan kelompok kontrol (36 responden, mendapat edukasi melalui media PowerPoint). Instrumen penelitian berupa kuesioner pengetahuan dan minat pencegahan gingivitis. Analisis data menggunakan uji *Wilcoxon Signed Rank Test* dan *Mann-Whitney*.

Hasil : Tingkat pengetahuan responden menggunakan media video DESIGIAT sesudah edukasi dengan kategori baik sebanyak 58,3%. Nilai *Asymp.Sig (p) = 0,00 (<0,05)* yang artinya media video DESIGIAT berpengaruh terhadap tingkat pengetahuan dan minat tentang gingivitis.

Kesimpulan : Media video DESIGIAT berpengaruh signifikan dalam meningkatkan pengetahuan dan minat untuk melakukan pencegahan gingivitis.

Kata Kunci : Video DESIGIAT, Gingivitis, Pengetahuan, Minat