

PENGARUH MEDIA VIDEO EDUKASI TERHADAP PENINGKATAN PENGETAHUAN GIGI BERJEJAL DAN MINAT PENGGUNAAN ORTODONTI CEKAT PADA REMAJA

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ABSTRAK

Latar Belakang : Gigi berjejal merupakan salah satu bentuk maloklusi yang banyak dialami remaja dan dapat mengganggu fungsi pengunyahan, estetika, serta psikososial. Pengetahuan tentang gigi berjejal dan minat untuk melakukan perawatan ortodonti cekat pada remaja masih rendah. Media video edukasi merupakan media audiovisual interaktif yang efektif untuk meningkatkan pemahaman remaja sebagai generasi *digital native*. Hasil studi pendahuluan yaitu 90% mempunyai kasus gigi berjejal dan tidak berminat melakukan perawatan orthodonti, 70% siswa belum mengetahui tentang gigi berjejal dan perawatan orthodonti.

Tujuan : Diketuinya pengaruh media video edukasi terhadap peningkatan pengetahuan gigi berjejal dan minat penggunaan ortodonti cekat pada remaja

Metode : Desain *quasi eksperimen* dengan rancangan *non equivalent control group*. Penelitian ini dilaksanakan pada bulan Mei 2026 di SMP Taman Dewasa Jetis, Yogyakarta. Populasi penelitian berjumlah 102 responden dan teknik pengambilan sampel menggunakan *purposive sampling* dengan jumlah 82 responden. Variabel independen adalah media video edukasi, sedangkan variabel dependen adalah pengetahuan gigi berjejal dan minat penggunaan ortodonti cekat. Instrumen penelitian menggunakan kuesioner pengetahuan dan kuesioner minat. Analisis data menggunakan uji *Wilcoxon Signed Ranks Test* dan uji *Mann Whitney U*

Hasil : Terdapat peningkatan skor pengetahuan gigi berjejal dan minat penggunaan ortodonti cekat pada kelompok perlakuan setelah diberikan intervensi video edukasi. Kelompok kontrol juga mengalami peningkatan namun lebih rendah. Hasil uji Mann-Whitney menunjukkan perbedaan signifikan antara kelompok perlakuan dan kontrol setelah intervensi

Kesimpulan : Media video edukasi berpengaruh terhadap peningkatan pengetahuan gigi berjejal dan minat penggunaan ortodonti cekat pada remaja

Kata Kunci : Video edukasi, pengetahuan, gigi berjejal, minat, ortodonti cekat, remaja

THE INFLUENCE OF EDUCATIONAL VIDEO MEDIA ON INCREASING KNOWLEDGE OF CROWDED TEETH AND INTEREST IN USING FIXED ORTHODONTICS IN ADOLESCENTS

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ABSTRACT

Background: Dental crowding is a form of malocclusion frequently experienced by adolescents that can impair masticatory function, aesthetics, and psychosocial well-being. Awareness regarding dental crowding and interest in fixed orthodontic treatment remain low among adolescents. Educational videos serve as an effective interactive audiovisual medium for enhancing the understanding of adolescents, who are digital natives. Preliminary study results indicate that 90% of the subjects had dental crowding but lacked interest in orthodontic treatment, while 70% of the students were unfamiliar with dental crowding and orthodontic treatment.

Objective: To determine the influence of educational video media on increasing knowledge of crowded teeth and interest in using fixed orthodontics in adolescents.

Methods: A quasi-experimental design with a non-equivalent control group was used. This study was conducted in May 2026 at Taman Dewasa Jetis Junior High School, Yogyakarta. The study population consisted of 102 respondents, and the sampling technique used purposive sampling with 82 respondents. The independent variable was educational video media, while the dependent variables were knowledge of crowded teeth and interest in using fixed orthodontics. The research instrument used a knowledge questionnaire and an interest questionnaire. Data analysis used the Wilcoxon Signed Ranks Test and the Mann-Whitney U test.

Results: There was an increase in knowledge scores regarding dental crowding and interest in using fixed orthodontic appliances in the treatment group following the educational video intervention. The control group also showed an increase, though it was smaller. Mann-Whitney test results indicated a significant difference between the treatment and control groups after the intervention.

Conclusion: Educational video media influences the improvement of knowledge regarding crowded teeth and interest in using fixed orthodontic appliances among adolescents.

Keywords: Educational videos, knowledge, crowded teeth, interest, fixed orthodontics, teenagers