

THE EFFECT OF ANIMATION VIDEOS ON INSTAGRAM ON KNOWLEDGE OF M3 TOOTH IMPACTION AMONG HIGH SCHOOL STUDENTS

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ABSTRACT

Background : In the early period of third molar growth, individuals are typically in high school. Based on a preliminary study, 90% of students are unaware of M3 tooth impaction. Health education is needed to increase knowledge about M3 tooth impaction, one of which can be done using animation videos on instagram.

Purpose : The influence of animation videos on instagram on the knowledge of M3 tooth impaction among high school students has been identified.

Method : The research design is a quasi-experimental design with a pretest-posttest with control group approach. The sampling method used is purposive sampling, with a total of 74 respondents. The sample is divided into an intervention group and a control group. The independent variable in this study is the animation video on instagram, while the dependent variable is knowledge of M3 tooth impaction. Data collection is carried out using pretest and posttest questionnaires. Data analysis is conducted using the wilcoxon signed-rank test and the mann-whitney test.

Result : The knowledge of M3 tooth impaction among high school students before being given animation videos on instagram was categorized as good (5,4%), moderate (32,4%), and poor (62,2%), with an average score of 6,48. After being provided with the videos, there was an improvement to good (83,8%) and moderate (16,2%) categories, with an average score of 12,65. The wilcoxon signed rank test analysis showed $p=0,000$ ($p<0,05$), indicating a significant difference between before and after the animation videos on instagram were provided. The mann-whitney test analysis also showed $p=0,000$ ($p<0,05$), indicating that the animation videos on instagram significantly improved knowledge.

Conclusion : The use of animation videos on instagram as an educational medium has a significant impact on the knowledge of M3 tooth impaction among high school students.

Keywords : Animated Videos, Instagram, Knowledge, M3 Tooth Impaction, High School Students.

PENGARUH VIDEO ANIMASI MELALUI INSTAGRAM TERHADAP PENGETAHUAN IMPAKSI GIGI M3 PADA SISWA SMA

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ABSTRAK

Latar Belakang : Pada periode awal pertumbuhan gigi molar ketiga, seseorang sedang menempuh pendidikan SMA. Berdasarkan studi pendahuluan, 90% siswa tidak mengetahui tentang impaksi gigi M3. Edukasi kesehatan perlu dilakukan untuk meningkatkan pengetahuan impaksi gigi M3 salah satunya menggunakan video animasi melalui instagram.

Tujuan Penelitian : Diketuinya pengaruh video animasi melalui instagram terhadap pengetahuan impaksi gigi M3 pada siswa SMA.

Metode Penelitian : Desain penelitian ini adalah *quasy experiment design* dengan rancangan *pretest posttest with control group*. Pengambilan sampel menggunakan teknik *pursosive sampling* dengan jumlah sampel 74 responden. Sampel dibagi menjadi kelompok intervensi dan kelompok kontrol. Variabel independen dalam penelitian ini adalah video animasi melalui instagram dan variabel dependen adalah pengetahuan impaksi gigi M3. Pengumpulan data menggunakan kuesioner *pretest* dan *posttest*. Analisis data menggunakan uji *wilcoxon signed rank test* dan uji *mann whitney*.

Hasil Penelitian : Pengetahuan impaksi gigi M3 pada siswa SMA sebelum diberikan video animasi melalui instagram dengan kriteria baik (5,4%), sedang (32,4%), dan buruk (62,2%) dengan nilai rata-rata 6,48 dan sesudah diberikan terjadi peningkatan menjadi kriteria baik (83,8%) dan sedang (16,2%) dengan nilai rata-rata 12,65. Hasil analisis dengan uji *Wilcoxon Signed Rank Test* diperoleh $p=0,000$ ($p<0,05$) sehingga terdapat pengaruh yang signifikan antara sebelum dan sesudah diberi video animasi melalui instagram. Analisis menggunakan uji *Mann Whitney* diperoleh $p=0,000$ ($p<0,05$) sehingga video animasi melalui instagram lebih meningkatkan pengetahuan.

Kesimpulan : Pemberian video animasi melalui instagram sebagai media edukasi berpengaruh terhadap pengetahuan impaksi gigi M3 pada siswa SMA.

Kata Kunci : Video Animasi, Instagram, Pengetahuan, Impaksi Gigi M3, Siswa SMA