

THE INFLUENCE OF ODONTECH E-LEAFLET MEDIA ON KNOWLEDGE OF ODONTECTOMY PROCEDURES IN HIGH SCHOOL STUDENTS

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ABSTRACT

Background: The 2023 Indonesian Health Survey (SKI) showed a prevalence of dental and oral health problems of 56.9%. In Bantul Regency, the prevalence was higher at 70.81%, with a proportion of oral surgical problems of 0.51%, including procedures in the oral cavity and surrounding areas, such as impacted wisdom teeth, malpositioned third molars, tongue tumors, and jaw fractures requiring surgical intervention.

Objective: To determine the effect of the Odontech e-leaflet on knowledge of odontectomy procedures among high school students.

Method: This study used a quasi-experimental design with a pretest-posttest with control group design, conducted in June 2025. The study population was 357 eleventh-grade students of SMA N 1 Sewon Bantul Yogyakarta, with a sample of 80 respondents selected using a purposive sampling technique. The independent variable was the Odontech e-leaflet, and the dependent variable was knowledge of odontectomy procedures. The research instruments were pretest and posttest questionnaires. Data analysis used validity, reliability, normality, Wilcoxon Signed Rank Test, and Mann Whitney tests.

Results: Knowledge of odontectomy procedures before being given the odontech e-leaflet media was in the poor criteria (85.0%), after being given it increased to good criteria (97.5%). The results of the Wilcoxon test of knowledge of odontectomy procedures showed a p-value of 0.000 < 0.05 so that there was a difference in knowledge of odontectomy procedures before and after being given the odontech e-leaflet media. The results of the Mann-Whitney test obtained a sig. (p) value of 0.000 < 0.05 so that there was an effect of odontech e-leaflet media on increasing knowledge with an average increase in knowledge in the treatment group being higher than the control group 52.88 > 28.13.

Conclusion: The Odontech e-leaflet media has an effect on increasing knowledge of odontectomy procedures.

Keywords: Odontech E-Leaflet Media, Knowledge, Odontectomy Procedures

**PENGARUH MEDIA *E-LEAFLET ODONTECH* TERHADAP
PENGETAHUAN TINDAKAN ODONTEKTOMI
PADA SISWA SMA**

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ABSTRAK

Latar Belakang: Survei Kesehatan Indonesia (SKI) tahun 2023 menunjukkan prevalensi masalah kesehatan gigi dan mulut sebesar 56,9%. Di Kabupaten Bantul prevalensinya lebih tinggi yaitu 70,81%, dengan proporsi masalah bedah mulut sebesar 0,51% yang meliputi tindakan pada area rongga mulut dan sekitarnya, seperti gigi geraham bungsu terbenam (impacted), gigi molar tiga malposisi, tumor lidah, dan patah rahang yang memerlukan tindakan bedah.

Tujuan: Diketuinya pengaruh media *e-leaflet odontech* terhadap pengetahuan tindakan odontektomi pada siswa SMA.

Metode: Penelitian ini menggunakan eksperimen semu (*Quasi Experiment*) dengan rancangan *Pretest-Posttest with Control Group Design* yang dilaksanakan pada Juni 2025. Populasi penelitian adalah 357 siswa kelas XI SMA N 1 Sewon Bantul Yogyakarta, dengan sampel 80 responden dipilih menggunakan teknik *purposive sampling*. Variabel *independent* penelitian ini media *e-leaflet odontech* dan variabel *dependent* adalah pengetahuan tindakan odontektomi. Instrumen penelitian berupa kuesioner *pretest* dan *posttest*. Analisis data menggunakan uji validitas, reliabilitas, normalitas, *Wilcoxon Signed Rank Test*, dan *Mann Whitney*.

Hasil: Pengetahuan tindakan odontektomi sebelum diberikan media *e-leaflet odontech* pada kriteria kurang (85,0%), setelah diberikan terjadi peningkatan menjadi kriteria baik (97,5%). Hasil uji *Wilcoxon* pengetahuan tindakan odontektomi menunjukkan nilai *p-value* $0,000 < 0,05$ sehingga terdapat perbedaan pengetahuan tindakan odontektomi sebelum dan sesudah diberikan media *e-leaflet odontech*. Hasil uji *Mann-Whitney* diperoleh nilai *sig.(p)* $0,000 < 0,05$ sehingga terdapat pengaruh media *e-leaflet odontech* terhadap peningkatan pengetahuan dengan rata-rata peningkatan pengetahuan pada kelompok perlakuan lebih tinggi dibanding kelompok kontrol $52,88 > 28,13$.

Kesimpulan: Media *e-leaflet odontech* berpengaruh terhadap peningkatan pengetahuan tindakan odontektomi.

Kata Kunci: Media *E-Leaflet Odontech*, Pengetahuan, Tindakan Odontektomi