

The Influence of Scrapbook Media on the Level of Knowledge of Root Canal Treatment among Young Adults at Al-Ghozali Islamic Boarding School Yogyakarta

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ABSTRACT

Background : The 2023 Indonesian Health Survey (SKI) reported that oral health problems remain highly prevalent in Indonesia, with 56.9% of the population experiencing decayed, damaged, or painful teeth. Dental caries extending into the pulp requires root canal treatment; however, public knowledge regarding root canal treatment remains limited. Scrapbook is an educational medium that may improve knowledge

Objective : To determine the effect of scrapbook media on the level of knowledge regarding root canal treatment among young adults at Al-Ghozali Islamic Boarding School Yogyakarta.

Methods: This study used a *Quasi-Experimental* design with a *Pretest-Posttest Nonequivalent Control Group* approach. The sample consisted of 80 respondents divided into treatment and control groups with 40 respondents each using a *total sampling* technique. The treatment group received education using scrapbook media, while the control group received leaflet media. Data were analyzed using the *Wilcoxon Signed Rank Test* and *Mann-Whitney U Test*

Results: In the treatment group, the proportion of respondents with good knowledge increased from 3 respondents (7.5%) at pretest to 35 respondents (87.5%) at posttest. In the control group, the proportion of respondents with good knowledge increased from 2 respondents (5.0%) at pretest to 22 respondents (55.0%) at posttest. The Wilcoxon Signed Rank Test showed a p-value of 0.000 ($p < 0.05$) in both groups. The Mann-Whitney U Test showed a p-value of 0.000 ($p < 0.05$).

Conclusion: Scrapbook media had a significant effect on improving the level of knowledge regarding root canal treatment among young adults.

Keywords: scrapbook media, knowledge, root canal treatment, young adults.

**Pengaruh Media Scrapbook terhadap Tingkat Pengetahuan
Perawatan Saluran Akar pada Dewasa Muda Pondok
Pesantren Al-Ghozali Yogyakarta**

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ABSTRAK

Latar Belakang: Hasil Survey Kesehatan Indonesia (SKI) tahun 2023 menunjukkan bahwa masalah kesehatan gigi dan mulut di Indonesia masih tinggi dengan proporsi gigi berlubang/rusak/sakit sebesar 56,9%. Karies gigi yang mencapai pulpa memerlukan perawatan saluran akar untuk mempertahankan fungsi gigi. Namun, pengetahuan mengenai perawatan saluran akar masih rendah sehingga diperlukan media edukasi yang menarik seperti media scrapbook.

Tujuan: Diketuinya pengaruh media scrapbook terhadap tingkat pengetahuan perawatan saluran akar pada dewasa muda Pondok Pesantren Al-Ghozali Yogyakarta.

Metode: Penelitian ini menggunakan desain *Quasi-Experimental* dengan rancangan *Pretest-Posttest Nonequivalent Control Group*. Sampel penelitian berjumlah 80 responden yang dibagi menjadi kelompok perlakuan dan kelompok kontrol masing-masing 40 responden menggunakan teknik *total sampling*. Kelompok perlakuan diberikan edukasi menggunakan media scrapbook, sedangkan kelompok kontrol menggunakan media leaflet. Analisis data menggunakan uji *Wilcoxon Signed Rank Test* dan *Mann-Whitney U Test*.

Hasil: Pada kelompok perlakuan, kategori pengetahuan baik meningkat dari 3 responden (7,5%) pada pretest menjadi 35 responden (87,5%) pada posttest. Pada kelompok kontrol, kategori pengetahuan baik meningkat dari 2 responden (5,0%) pada pretest menjadi 22 responden (55,0%) pada posttest. Hasil uji Wilcoxon Signed Rank Test menunjukkan nilai $p=0,000$ ($p<0,05$) pada kedua kelompok, sedangkan uji Mann-Whitney U Test menunjukkan nilai $p=0,000$ ($p<0,05$).

Kesimpulan: Media scrapbook berpengaruh signifikan terhadap peningkatan tingkat pengetahuan perawatan saluran akar pada dewasa muda.

Kata Kunci: media scrapbook, pengetahuan, perawatan saluran akar, dewasa muda.