

PENGARUH *E-POCKET BOOK* BERBASIS *ANDROID* TENTANG PERIODONTITIS TERHADAP PENGETAHUAN DAN MOTIVASI PEMELIHARAAN KESEHATAN GIGI PADA REMAJA

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ABSTRAK

Latar Belakang: Masalah kesehatan gigi dan mulut yang memiliki prevalensi 74,10% adalah periodontitis. Berdasarkan studi pendahuluan melalui *link google form* kuesioner di SMA Negeri 1 Sewon, diperoleh data 90% siswa belum pernah mendapatkan penyuluhan tentang periodontitis, 70% tidak memiliki motivasi pemeliharaan kesehatan gigi. Penyuluhan periodontitis menggunakan media digital *e-pocket book*.

Tujuan: Diketahui pengaruh penyuluhan menggunakan *e-pocket book* berbasis *android* tentang periodontitis terhadap pengetahuan dan motivasi pemeliharaan kesehatan gigi pada remaja.

Metode: Penelitian ini menggunakan eksperimen semu dengan rancangan *Pre test Post-test with non-equivalent Control Group Design*. Pengambilan sampel menggunakan teknik *purposive sampling* dengan jumlah 60 siswi. Pengumpulan data menggunakan *link* kuesioner *pre-test* dan *post-test*. Analisis data menggunakan uji *Wilcoxon Signed Rank Test* dan uji *Mann-Whitney*.

Hasil: Hasil uji *Mann-Whitney* diperoleh $0,000 < 0,05$ pada tingkat pengetahuan dan $0,000 < 0,05$ pada motivasi, dapat disimpulkan bahwa ada pengaruh *e-pocket book* berbasis *android* terhadap tingkat pengetahuan periodontitis dan motivasi pemeliharaan kesehatan gigi pada remaja usia 15-16 tahun.

Kesimpulan: Media *e-pocket book* berbasis *android* berpengaruh terhadap tingkat pengetahuan periodontitis dan motivasi pemeliharaan kesehatan gigi pada remaja.

Kata Kunci: Penyuluhan, Periodontitis, *E-pocket book*, tingkat pengetahuan, motivasi.

THE EFFECT OF ANDROID BASED E-POCKET BOOK ON PERIODONTITIS ON KNOWLEDGE AND MOTIVATION FOR DENTAL HEALTH MAINTENANCE IN ADOLESCENTS

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ABSTRACT

Background: Periodontitis is a prevalent oral health issue, affecting 74.10% of the population. A preliminary study conducted at SMA Negeri 1 Sewon via a Google Form questionnaire showed that 90% of students had never received counseling on periodontitis, and 70% lacked motivation to maintain oral hygiene. Digital media, such as Android-based e-pocket books, offer potential as effective educational tools.

Objective: To determine the effect of Android-based e-pocket book counseling on knowledge and motivation regarding dental health maintenance among female adolescents.

Methods: This study applied a quasi-experimental design with a pre-test–post-test and a non-equivalent control group. A total of 60 female students were selected through purposive sampling. Data were collected using pre- and post-test questionnaires distributed via an online link. The data were analyzed using the Wilcoxon Signed Rank Test and the Mann-Whitney Test. **Results:** The Mann-Whitney test results showed p-values of $0.000 < 0.05$ for both knowledge and motivation, indicating a significant effect of the Android-based e-pocket book on improving students' knowledge of periodontitis and motivation for dental health maintenance.

Conclusion: Android-based e-pocket book counseling significantly influences the level of knowledge about periodontitis and the motivation for dental health maintenance among adolescents.

Keywords: Counseling, Periodontitis, E-pocket book, Knowledge, Motivation.