

**THE EFFECT OF USING DUOLINGO APPLICATION ON JUNIOR
HIGH SCHOOL STUDENTS' VOCABULARY MASTERY 7th GRADE AT
SMPN 1 ATAP PEGAYAMAN**

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ABSTRACT

This study aims to determine empirical support for the impact of the Duolingo program on students' vocabulary acquisition. A quasi-experimental research design and quantitative approach were used in this study. For this study, 36 seventh-grade students from SMPN 1 ATAP PEGAYAMAN in the 2023-2024 school year were selected as the sample. They were divided into two classes: an experimental class (7B) and a control class (7A). There were eighteen students in each group. While the control class was taught using flashcards and teacher presentations, the experimental class used the Duolingo app as a teaching aid. The findings of the calculation showed that the average post-test score of the experimental class was 78.3, while that of the control class was 60. At the 5% significance level ($\alpha = 0.05$), the independent sample t-test results showed that the t-test was 2.188 and the t-table was 2.000, or $t\text{-test} > t\text{-table}$. Thus, H_a is accepted and H_0 is rejected. In the 2023/2024 school year, the study findings show that Duolingo has a moderate impact on grade seven students at SMPN 1 PEGAYAMAN and is helpful in helping students understand vocabulary.

Keywords: Duolingo, Vocabulary mastery

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Pendidikan Bahasa Inggris

ABSTRAK

Studi ini tujuannya guna menentukan dukungan empiris terhadap dampak program Duolingo terhadap penguasaan kosakata siswa. Desain penelitian kuasi-eksperimental dan pendekatan kuantitatif digunakan dalam penelitian ini. Untuk penelitian ini, 36 siswa kelas tujuh dari SMPN 1 ATAP PEGAYAMAN tahun ajaran 2023-2024 dipilih sebagai sampel. Mereka dibagi menjadi dua kelas: kelas eksperimen (7B) dan kelas kontrol (7A). Ada delapan belas siswa di setiap kelompok. Sementara kelas kontrol diajar dengan menggunakan kartu flash dan presentasi guru, kelas eksperimen menggunakan aplikasi Duolingo sebagai alat bantu pengajaran. Temuan perhitungannya memperlihatkan bahwasannya nilai rata-rata post-test kelas eksperimen yakni 78,3, sedangkan kelas kontrol yakni 60. Pada tingkat signifikansi 5% ($\alpha = 0,05$), hasil uji-t sampel independen memperlihatkan bahwa t-test sebesar 2,188 dan t-tabel sebesar 2.000, atau t-test > t-tabel. Dengan demikian, H_a diterima dan H_0 ditolak. Pada tahun ajaran 2023/2024, temuan studi memperlihatkan bahwasannya Duolingo memiliki dampak yang sedang pada siswa kelas tujuh di SMPN 1 PEGAYAMAN dan sangat membantu dalam membantu siswa memahami kosakata.

Kata kunci: Duolingo, Penguasaan kosakata