

The Effect of Mobile Learning Application Use on Vocational Students' English Proficiency

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One strategy that can be used to optimize learning and TOEIC preparation is to facilitate students' learning anytime and anywhere through materials and exercises integrated with technology, namely via a smartphone application. Therefore, this study aims to determine the effectiveness of using the Poliban English Preparation Test Application (PEPTA), which contains TOEIC-based listening and reading materials and exercises. By improving students' TOEIC scores, this research is expected to contribute to enhancing students' English proficiency and increasing exit test scores as one of the Key Performance Indicators (IKT) of Politeknik Negeri Banjarmasin. The research questions addressed are (1) Is there a significant difference in English proficiency for users of the application before and after using it? (2) How do the students perceive the use of PEPTA? This study employed a quasi-experimental method as part of a Research and Development (R&D) design using the ADDIE model. The instruments used were a pre-test, a post-test, and a questionnaire. The experimental group consisted of 27 students, and the control group consisted of 26 students. Levene's Test for Equality of Variances showed $F = 0.009$ and $\text{Sig.} = 0.923$, indicating that the variances between groups were considered equal (homogeneous). The t-test produced $t = -0.608$ with $df = 51$ and a significance value of $p = 0.546$ (two-tailed). Since $p > 0.05$, there was no significant difference between the control and experimental groups in the post-test results. Although the developed product (PEPTA) did not significantly increase students' TOEIC scores, students have positive perceptions of its use. It also allows students to access TOEIC learning materials and practice anytime and anywhere, promoting flexible learning according to their individual needs. Furthermore, this study provides insights into the challenges of implementing technology in learning.

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