

**ANALYZING THE EFFECTIVENESS OF AI-BASED ANDROID  
APPS FOR ENHANCING SPEAKING COMPREHENSION IN  
ENGLISH**

**By  
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**ANTASARI STATE ISLAMIC UNIVERSITY  
BANJARMASIN  
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**ANALYZING THE EFFECTIVENESS OF AI-BASED ANDROID APPS FOR  
ENHANCING SPEAKING COMPREHENSION IN ENGLISH**

**Undergraduate Thesis**

Presented to Faculty of Tarbiyah and Teacher Training  
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## ABSTRACT

**Umar Abdillah.** 200101030261. *Analyzing The Effectiveness of AI-Based Android Apps for Enhancing Speaking Comprehension in English.* Thesis. English Education Department, Faculty of Tarbiyah and Teacher Training, Antasari State Islamic University. Advisors: Hidayah Nor, S.Pd., M.Pd. 2024.

**Keywords:** Artificial Inteligent, Android Applications, Speaking comprehension

The study entitled "Analyzing the Effectiveness of AI-Based Android Applications to Improve English Speaking Comprehension" Aims to show that AI-based Android applications can be very helpful to become English speaking assistants anywhere and anytime without the help of tutors or other people. This study uses qualitative methods to explore the features of three AI-based applications that researchers have determined, namely: Sivi, Loora, and Stimuler.

The main purpose of this study is to assess how these applications contribute to improving users' English speaking comprehension through detailed documentation analysis of their functionality even when done alone. This study examines the core features of each application, focusing on aspects such as real-time feedback, personalized learning experiences, and conversation practice scenarios. The analysis includes user interface design, accessibility, and the various topics discussed in the conversation, which are very important to engage learners effectively.

This study concludes that AI-based applications such as Sivi, Loora, and Stimuler significantly improve speaking comprehension by providing a customized learning experience that adapts to the needs of individual users. Their documentation of features highlights the potential of these technologies in modern language education, suggesting that they can serve as effective complementary tools alongside traditional learning methods. Further research is recommended to evaluate the long-term impact on speaking proficiency and user satisfaction across different learner demographics.

## ***ABSTRAK***

**Umar Abdillah.** 200101030261. *Analyzing The Effectiveness Of AI-Based Android Apps For Enhancing Speaking Comprehension In English.* Skripsi. Jurusan Tadris Bahasa Inggris., Fakultas Tarbiyah dan Keguruan, UIN Antasari Banjarmasin. Dosen Pembimbing: Hidayah Nor, S.Pd., M.Pd. 2024

**Kata kunci:** kecerdasan buatan, aplikasi android, pemahaman berbicara

Penelitian berjudul "Menganalisis Efektivitas Aplikasi Android Berbasis AI untuk Meningkatkan Pemahaman Berbicara dalam Bahasa Inggris" Bertujuan untuk menunjukkan bahwa Aplikasi Android berbasis AI dapat sangat membantu untuk menjadi asisten berbicara bahasa Inggris dimanapun dan kapanpun tanpa bantuan tutor ataupun orang lain. Penelitian ini menggunakan metode kualitatif untuk mengeksplorasi fitur dari tiga aplikasi berbasis AI yang sudah peneliti tentukan, yaitu: Sivi, Loora, dan Stimuler.

Tujuan utama penelitian ini adalah penialian bagaimana aplikasi ini berkontribusi untuk meningkatkan pemahaman berbicara pengguna dalam Bahasa Inggris melalui analisis dokumentasi terperinci dari fungsionalitasnya meskipun dilakukan sendiri. Penelitian ini meneliti fitur inti dari setiap aplikasi, dengan fokus pada aspek-aspek seperti umpan balik waktu nyata, pengalaman belajar yang dipersonalisasi, dan skenario praktik percakapan. Analisis tersebut mencakup desain antarmuka pengguna, aksesibilitas, dan berbagai topik yang dibahas dalam percakapan, yang sangat penting untuk melibatkan pelajar secara efektif.

Penelitian ini memiliki kesimpulan, bahwa aplikasi berbasis AI seperti Sivi, Loora, dan Stimuler secara signifikan meningkatkan pemahaman berbicara dengan menyediakan pengalaman belajar yang disesuaikan yang beradaptasi dengan kebutuhan pengguna individu. Dokumentasi fitur-fitur mereka menyoroti potensi teknologi ini dalam pendidikan bahasa modern, yang menunjukkan bahwa mereka dapat berfungsi sebagai alat pelengkap yang efektif di samping metode pembelajaran tradisional. Penelitian lebih lanjut direkomendasikan untuk mengevaluasi dampak jangka panjang pada kemahiran berbicara dan kepuasan pengguna di berbagai demografi pelajar.

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Finally, the writer hopes that this research will be useful for the next researchers.

The writer admits that this research paper is not perfect yet. Therefore, suggestion will be expected to make it better.

Banjarmasin, Jumada II, 19th 1446 A.H  
December, 20th, 2024 A.D

Umar Abdillah

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