

# THE EFFECT OF TALKPAL AI ON EIGHTH GRADE STUDENTS' SPEAKING SKILLS AT SMP NEGERI 2 SINGARAJA

By

Ni Komang Winduastuti, NIM 2212021038

English Language Education

E-mail: [winduastuti@student.undiksha.ac.id](mailto:winduastuti@student.undiksha.ac.id)

## ABSTRACT

This study was conducted to determine the effect of Talkpal.AI on the speaking skills of eighth-grade students at SMP Negeri 2 Singaraja. This study was a quasi-experiment with a Posttest-Only Control Group Design. The population of this study was all eighth-grade students at SMP Negeri 2 Singaraja in the 2025/2026 academic year. The research sample was selected using cluster random sampling, resulting in one experimental group consist of 33 students and one control group consist of 32 students. Data collection was conducted through an oral test that had been validated and tested for reliability. Hypothesis testing used a one-tailed t-test with a significance level of 5% (0.05). The analysis results showed that the significance value (1-tailed) was  $< 0.001$ , which means that the results were significant. In addition, the t Statistic value was 5.889, which was greater than the t Critical value of 1.669, means H1 was accepted and H0 was rejected. This shows that the speaking skills of the students in the experimental group were better than those in the control group. The analysis results show that the post-test mean score of the experimental group is 86.48, which is higher compared to the control group at 77.94. Moreover, the effect size calculated using Cohen's d shows a result of 1.461, which indicates a large effect size. Therefore, the implementation of Talkpal.AI as an artificial intelligence-based tool has a positive effect on students' speaking skills.

**Keywords:** *Artificial Intelligence, Talkpal.AI, Speaking skills, English for Foreign Language (EFL)*

# PENGARUH TAKLPAL.AI TERHADAP KEMAMPUAN BERBICARA SISWA KELAS DELAPAN DI SMP NEGERI 2 SINGARAJA

Oleh

Ni Komang Winduastuti, NIM 2212021038

Pendidikan Bahasa Inggris

E-mail: [winduastuti@student.undiksha.ac.id](mailto:winduastuti@student.undiksha.ac.id)

## ABSTRAK

Penelitian ini memiliki tujuan untuk mengetahui pengaruh Talkpal.AI terhadap kemampuan berbicara siswa kelas delapan di SMP Negeri 2 Singaraja. Penelitian ini merupakan eksperimen semu dengan design *Posttest-Only Control Group Design*. Populasi dari penelitian ini adalah seluruh kelas VIII SMP Negeri 2 Singaraja tahun ajaran 2025/2026. Sampel penelitian dipilih melalui teknik cluster random sampling, sehingga diperoleh satu kelompok eksperimen terdiri dari 33 siswa dan satu kelompok control terdiri dari 32 siswa. Teknik pengumpulan data dilakukan melalui tes oral yang telah divalidasi dan diuji reliabilitasnya. Uji hipotesis menggunakan uji-t satu ekor dengan taraf signifikansi sebesar 5% (0.05). Hasil analisis menunjukkan bahwa nilai signifikansi (1-tailed)  $< 0.001$ , yang berarti hasil tersebut signifikan. Selain itu diperoleh nilai *t Statistic*=5.889 yang lebih besar dari *t Critical*=1.669, sehingga H1 diterima dan H0 ditolak. Hal tersebut menunjukkan bahwa kemampuan berbicara siswa kelompok eksperimen lebih baik daripada kelompok kontrol. Hasil analisis menunjukkan bahwa nilai rata-rata post-test kelompok eksperimen yakni 86.48, lebih tinggi daripada kelompok kontrol yakni 77.94. Selain itu, efek size menggunakan Cohen's d menunjukkan hasil 1.461 yang termasuk dalam kategori besar. Sehingga penerapan Talkpal.AI sebagai alat berbasis kecerdasan buatan memiliki pengaruh positif terhadap kemampuan berbicara siswa.

**Kata kunci:** Kecerdasan Buatan, Talkpal.AI, Kemampuan Berbicara, Bahasa Inggris untuk Bahasa Asing