

Undergraduate Thesis

**ANALYZING THE EFFECTIVENESS OF THE POLY BUZZ
APPLICATION IN IMPROVING STUDENTS' VOCABULARY SKILLS
AT SMA NEGERI 3 MAJENE**



By:

YUNITA SARI

H0120513

CONSULTANS:

- 1. Ahyadi, M. Pd.**
- 2. Hustiana, S. Pd, M. Pd.**

**This thesis is written to fulfill part of the requirements to obtain a Bachelor of
Education degree**

**ENGLISH EDUCATION DEPARTMENT
FACULTY OF TEACHER TRAINING AND EDUCATION
UNIVERSITY OF SULAWESI BARAT**

2025

APPROVAL SHEET

**ANALYZING THE EFFECTIVENESS OF THE POLY BUZZ APPLICATION IN IMPROVING
STUDENTS' VOCABULARY SKILLS AT SMA NEGERI 3 MAJENE**

YUNITA SARI

H0120513

Has been successfully defended the thesis in front of
the Examiner Team of Faculty of Teacher Training
and Education on October 14th 2025

EXAMINATION

Chair of the Examiner	: Dr. Umar, S.Pd., M.Pd.	(.....)
Secretary of Exam Committee	: Amrang, S.Pd., M.Pd.	(.....)
Supervisor I	: Ahyadi, M. Pd.	(.....)
Supervisor II	: Hustiana, S.Pd., M.Pd.	(.....)
Examiner I	: Dr. Rafiqqa, S.Pd., M.Pd.	(.....)
Examiner II	: Ahmad Junaedi, S.Pd., M.Pd.	(.....)

Majene, October 14th 2025

FACULTY OF TEACHER TRAINING AND EDUCATION

UNIVERSITAS SULAWESI BARAT



Prof. Dr. H. Ruslan, M.Pd.
NIP. 196312311990031028

THESIS ORIGINALITY PAGE

The one who is filed below:

Student's Name : Yunita Sari

NIM : H0120513

Study Program : English Education Study Program

Hereby states that the thesis is my original work and has never been submitted for and undergraduate degree in a higher school, and as far I concern in this thesis no work or opinion has been written or published by others except has been referred explicitly in this document and listed in the bibliography.

If in the future, it is proven that this thesis is a copy, I am willing to accept the sanction for my act.

Majene, 16 august 2025

Signed by,



Yunita Sari

H0120513

ABSTRAK

YUNITA SARI: Menganalisis efektivitas aplikasi Poly Buzz dalam meningkatkan kemampuan kosakata siswa di SMAN 3 Majene. **Skripsi. Majene: Fakultas Keguruan dan Ilmu pendidikan, Universitas Sulawesi Barat, 2025.**

Penelitian ini bertujuan untuk mengetahui efektivitas penggunaan aplikasi Poly Buzz dalam meningkatkan penguasaan kosakata serta untuk mengetahui persepsi siswa terhadap penggunaan aplikasi Poly Buzz di SMAN 3 Majene, sebuah sekolah yang terletak di Kabupaten Majene, Sulawesi Barat. Populasi penelitian ini adalah siswa kelas X SMAN 3 Majene, jumlah populasi terdiri dari 130 siswa. Dari populasi tersebut terdapat 25 siswa yang diambil sebagai sampel kelas eksperimen dan 25 siswa kelas kontrol. Dalam penelitian ini peneliti menggunakan metode kuantitatif dengan pendekatan eksperimental. Untuk mengumpulkan data, peneliti menggunakan instrumen tes yang terdiri dari pre-test dan post-test. Peneliti juga menggunakan instrument quesioner dalam penelitian ini. Berdasarkan analisis, peneliti menemukan dengan menerapkan aplikasi Poly Buzz dalam pembelajaran Bahasa Inggris mampu meningkatkan penguasaan kosakata. Penguasaan kosakata siswa meningkat secara signifikan dengan melihat nilai rata-rata pre-test adalah 35,60. Pada akhir pembelajaran dengan menggunakan aplikasi Poly Buzz untuk meningkatkan penguasaan kosakata siswa meningkat setelah diberikan perlakuan. Nilai rata-rata post-test adalah 70,00. Hasil penelitian menunjukkan bahwa nilai setelah pemberian perlakuan lebih tinggi dibandingkan sebelum perlakuan. Uji independent sample T-test menunjukkan bahwa $\text{sig } 2 \text{ tailed } (0,000) < 0,05$, sehingga nilai T-test lebih kecil dari sig. Nilai 0,05 maka dapat dikatakan bahwa hipotesis alternatif (H1) diterima sedangkan hipotesis nol (H0) ditolak. Nilai rata-rata pada quesioner adalah 76,80 sehingga dapat disimpulkan bahwa persepsi siswa terhadap aplikasi Poly Buzz berada pada kategori sukses. Pembelajaran menggunakan aplikasi Poly Buzz tampaknya signifikan dalam peningkatan penguasaan kosakata siswa. Dapat disimpulkan bahwa perlakuan telah efektif.

Kata kunci: Penguasaan kosakata, Aplikasi Poly Buzz.

ABSTRACT

YUNITA SARI: Analyzing the effectiveness of Poly Buzz application in improving students' vocabulary skills at SMAN 3 Majene. **Thesis. Majene: Faculty of Teacher Training and Education, University of West Sulawesi, 2025.**

This study aims to find out the effectiveness of Poly Buzz application in improving vocabulary mastery as well as to find out the students' perception towards the use of Poly Buzz application at SMAN 3 Majene, a school located in Majene Regency, West Sulawesi. The population of this study was the students of class X SMAN 3 Majene, the total population consisted of 130 students. From the population, 25 students were taken as the sample of experimental class and 25 students of control class. In this study, researcher used quantitative methods with an experimental approach. To collect data, researcher used test instruments consisting of pre-test and post-test. Researcher also used questionnaire instruments in this study. Based on the analysis, the researcher found that by applying Poly Buzz application in English learning can improve vocabulary mastery. Students' vocabulary mastery increased significantly by looking at the average pre-test score of 35.60. At the end of learning by using Poly Buzz application to improve students' vocabulary mastery increased after the treatment. The post-test mean score was 70.00. The results showed that the value after treatment was higher than before treatment. The independent sample T-test test shows that sig 2 tailed 0.000 < 0.05, so the T-test value is smaller than sig. The value of 0.05, it can be said that the alternative hypothesis (H1) is accepted while the null hypothesis (H0) is rejected. The mean value on the Questionnaire is 76,80, so it can be concluded that students perceptions of the Poly Buzz application are in the succesful category. Learning using Poly Buzz application seems to be significant in improving students' vocabulary acquisition. It can be concluded that the treatment has been effective.

Keywords: Vocabulary Mastery, Poly Buzz Application.

CHAPTER V

CONCLUSION AND SUGGESTION

A. Conclusion

From the research that has been conducted on the use of Poly Buzz application to improve vocabulary mastery of class x students of SMAN 3 MAJENE in the 2024/2025 school year. Based on the results of data analysis and discussion of the results in the previous chapter, the researcher can conclude that:

1. After applying the Poly Buzz application in the English learning process in the experimental group, the researcher found that the application of Poly Buzz application in learning seemed significant in improving the vocabulary mastery of class X students at SMAN 3 MAJENE. This is evidenced by the average score of students obtained from the pre-test 35.60 and posttest 70.00. Meanwhile, the t-test shows that the 2 tailed sig $0.000 < 0.05$, so that the t-test value is smaller than the sig value of 0.05, it can be concluded that the alternative hypothesis (H1) is accepted while the hypothesis (H0) is rejected. Based on these calculations, it can be concluded that Poly Buzz application has a positive impact on students'.
2. Based on the results of a questionnaire with 20 statements and 25 students as respondents in the previous chapter, it can be concluded that students perception of the Poly Buzz application are in the successful category. This can be seen from the mean student score of 76,80, the student score can be classified that students respond to English learning using the Poly Buzz application is successful.

B. Suggestion

Based on these conclusions, the researcher would like to provide some suggestions related to this study for teachers, students and other researchers.

Those suggestions are as follows:

1. English teacher

English teachers can use Poly Buzz app in teaching vocabulary to create different and fun variations in the English learning process.

2. Students

Students can measure vocabulary by using Poly Buzz app, make a list of new words obtained from using Poly Buzz app, learn and repeat regularly, and enjoy the process of learning English..

3. Researcher.

Researcher hope this can be a reference for other researchers to conduct the research with the same topic. The researcher suggests that other researchers test the Poly Buzz application to improve other english language skills such as speaking, reading, and others.

BIBLIOGRAPHY

- Agung, I. G. A. M., Skolastika, I. M. P., Damayanti, N. L. P. T., & Wisanta, P. A. (2023). Peningkatan Kosakata Bahasa Inggris Melalui Games Bagi Siswa SMA Negeri 1 Penebel. *Madani: Indonesian Journal Of Civil Society*, 5(1), 28-34.
- Ahmad, S. (2023). Analisis kesulitan siswa dalam berbicara bahasa Inggris di Mas Mulia Sei Balai. *JIP: Jurnal Ilmu Pendidikan*, 1(6), 1044-1050.
- Badarudin, Z. A., & Wahid, J. H. (2019). The Use Of Particles By The Second Semester Students Of English Program at Khairun University. *Jurnal Ilmiah Wahana Pendidikan*, 5(4), 110-116.
- Fadhilawati, D. (2023). Peningkatan Penguasaan Kosakata Bahasa Inggris tentang Kehidupan Soekarno di Hoogere Burgerschool melalui Aplikasi Memrise. *IJECS: Indonesian Journal of Empowerment and Community Services*, 4(2), 104-113.
- Fajri, N., & Numainiati, N. (2019). Faktor faktor yang menyebabkan kesukaran siswa memahami teks Bahasa Inggris. *Jurnal Ilmiah Bahasa Inggris (JIBI)*, 4(2).
- Fathihah, A. (2016). Pengaruh Penguasaan Kosakata terhadap Kemampuan Membaca Pemahaman Siswa Kelas V SD Gugus Patimura Kecamatan Bringin Kabupaten Semarang. Universitas Negeri Semarang. Unpublished Thesis.
- Fitria, T. N. (2022). *Mastering English Grammar for Learners (Menguasai Tata Bahasa Inggris Dasar untuk Pembelajaran)*.
- Hasan, F. R. A., Isma, A., Dalle, A., & Asni, Y. (2024). *semantris google ai-based learning to enhance students' vocabulary mastery*. *Al-Irsyad: Journal of Education Science*, 3(1), 22-35.
- Kadoeng, E. (2023). Analisis kesulitan siswa dalam berbicara Bahasa Inggris di MAN 1 kota Makassar. *JEALO*, 5(1), 8-15.
- Kosakata, M. K. (2022). Bagaimana Penggunaan Kosakata Anak dalam Metode Karyawisata di TK Kartika IX-10 Cangkurileung?. *Jurnal Kewarganegaraan*, 6(2).

- LOBO, L. (2017). Kata Sifat Dalam Bahasa Inggris Dan Bahasa Tabaru Suatu Analisis Kontrastif. *jurnal elektronik fakultas sastra universitas sam ratulangi*, 1(4).
- Markum, M. Analisis Penerjemahan Preposisi Waktu dan Tempat At, On, In dalam Novel “Nothing Last Forever” Karya Sydney Sheldon (Pendekatan Sintaksis dan Semantis) . *Jurnal Teknologika*, 9(1), 1-7.
- May, E. D. J. (2015). Kata benda dalam bahasa Inggris dan bahasa Tetun (analisis kontrastif). *Jurnal Elektronik Fakultas Sastra Universitas Sam Ratulangi*, 2(1).
- megawati,radiah hamid, ismail sungkala. (2023). improving the vocabulary of the students by using duolingo application at the second grade of smp negeri 1 kelara.
- Mokosolang, E. E. (2017). Kata Kerja Dalam Bahasa Inggris dan Bahasa Tonsawang Suatu Analisis Kontrastif. *Jurnal Elektronik Fakultas Sastra Universitas Sam Ratulangi*, 2(3).
- Nainggolan, N. J., Manalu, D. B., & Siahaan, B. L. (2022). The Effect Of Using Tiktok Application On Students' Vocabulary Mastery At SMA Negeri 3 Pematangsiantar. *Jurnal Pendidikan Dan Konseling (JPDK)*, 4(5), 6226-6233.
- Nurjannah, N. (2016). Peningkatan kemampuan penguasaan kosakata melalui kartu huruf bergambar siswa kelas II SDN 5 Soni. *Jurnal Kreatif Tadulako*, 4(8), 119169.
- Nurohim, R. (2014). compound adjective pada headline surat kabar the jakarta post: kajian morphosemantics (Doctoral dissertation, Universitas Widyatama).
- Nursyamsiah, E. (2021). Penggunaan media aplikasi Duolingo dalam meningkatkan penguasaan kosakata bahasa inggris siswa kelas vii SMP Negeri 3 Agrabinta Cianjur. *Jurnal Paedagogy*, 8(1), 67-77.
- Palenewen, M. (2015). Kata Keterangan Dalam Novel Hook Karya Walter Van Tilburg Clarks. *Jurnal Elektronik Fakultas Sastra Universitas SAM Ratulangi*, 4(5).
- Prayogi, R., Riadi, B., & Rian Andri, P. (2020). Penggunaan Kata Keterangan dalam Kolom Opini Surat Kabar Harian Kompas. *J-Simbol*, 8(1).

- PURNAMASARI, W. (2021). Peningkatan penguasaan kosakata siswa melalui aplikasi pintar Bahasa Inggris di kelas vii b smpn 5 sinjai (doctoral dissertation, universitas islam ahmad dahlan).
- Rianti, R. (2020). Kontruksi Kalimat Bahasa Inggris. Alprin.
- Salmiah, M. (2017). Verb in english grammar subject. VISION, 11(11).
- Silfana, E. (2019). Meningkatkan kosa kata anak usia 4-5 tahun melalui bermain tebak kata.
- Simatupang, G. E., Sinambela, R., Manurung, A. O. P., Anggraini, D. F., Purba, T. M., Herman, H., ... & Siahaan, S. H. (2023). Meningkatkan Kosakata Bahasa Inggris Melalui Lagu Bahasa Inggris di Kelas 4 SD Swasta GKPS 2 Pematang Siantar. *Beru'-beru': Jurnal Pengabdian kepada Masyarakat*, 2(1), 16-25
- Sondakh, D. C., & Sya, M. F. (2022). Kesulitan Pembelajaran Kosakata Bahasa Inggris Tingkat Sekolah Dasar. *Karimah Tauhid*, 1(3), 346-351.
- Sugiyono, P. D. (2020). *metode penelitian kuantitatif, kualitatif, dan r&d*. Bandung: Alfabeta
- Sukmawati, A. K. (2020). Pembelajaran Kosakata Bahasa Inggris Menggunakan Metode Modelling The Way Pada Kleas IV MI Ma'arif Polorejo Kabupaten Ponorogo (Doctoral dissertation, IAIN PONOROGO).
- Syifani, D., & Dores, A. (2018). Aplikasi Sistem Rekam Medis di Puskesmas Kelurahan Gunung. *JUST IT: Jurnal Sistem Informasi, Teknologi Informasi dan Komputer*, 9(1), 22-31.
- Ulfa, U., Wiyaka, W., & Wahyuni, S. (2023). Improving Student's Vocabulary Mastery Through Hello English Application at Tenth-Grade Students of High School. *Lingua Franca*, 2(2), 12-26.
- WILDANI, H. (2021). the effect of rosetta stone application on students"vocabulary mastery (Doctoral dissertation, Universitas Siliwangi).
- Wilson, A., & Sutrisno, S. (2022). Efektifitas Aplikasi Cake Terhadap Kemampuan Penguasaan Kosakata Bahasa Inggris Siswa. *Research and Development Journal of Education*, 8(1), 263-270.