

**THE EFFECT OF ASSEMBLR EDU APPLICATION ON
STUDENTS' VOCABULARY MASTERY**
(Quasi-Experimental Study at the Eighth Grade of Junior High
School 20, Bengkulu City, Academic Year 2025–2026)

THESIS

Submitted as Partial Requirements
For the Degree of Sarjana Pendidikan (S. Pd)
In English Departement of UIN Fatmawati Sukarno Bengkulu



Arranged by:

YOSA AMELIA
SRN. 2223230049

**ENGLISH EDUCATION STUDY PROGRAM
FACULTY OF TARBIYAH AND TADRIS
FATMAWATI SUKARNO STATE ISLAMIC UNIVERSITY
OF BENGKULU
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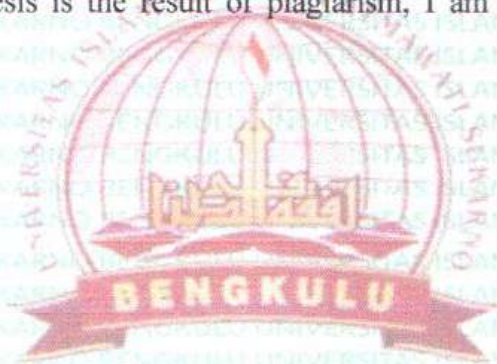
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I hereby declare that my thesis entitled **“The Effect of Assemblr Edu Application on Students’ Vocabulary Mastery (Quasi-Experimental Study at The Eighth Grade of Junior High School 20, Bengkulu City, Academic Year 2025–2026)”** is my own work or research and is not a plagiarism of the work of others. If in the future it is known that this thesis is the result of plagiarism, I am ready to be subject to academic sanctions.



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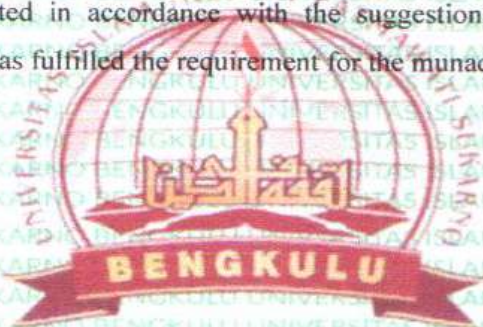
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RATIFICATION

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MOTTO

“We’re more than what we’re made to think, time to believe”

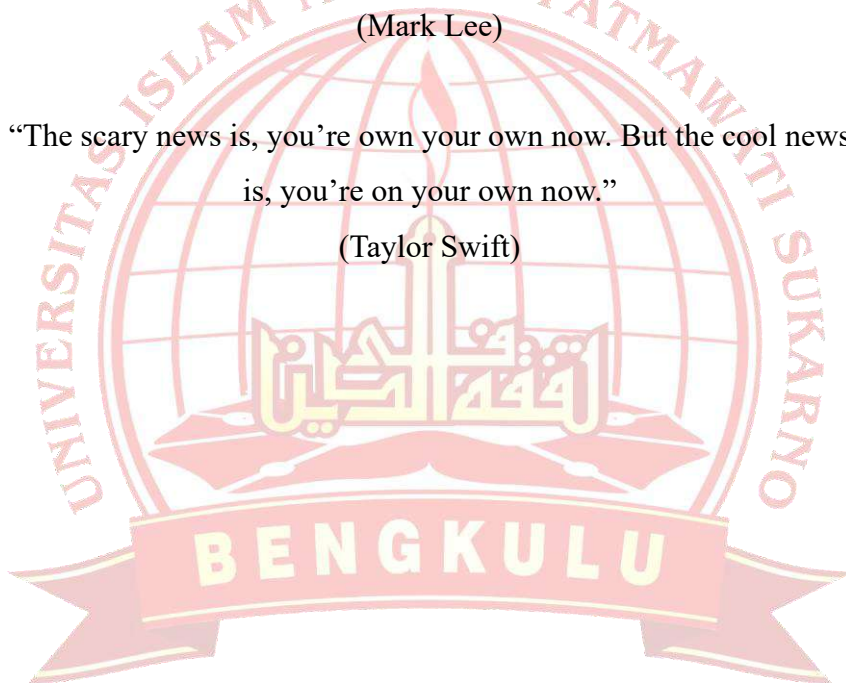
(Rains in Heaven - NCT Dream)

“You’re doing fine. Sometimes you’re doing better. Sometimes
you’re doing worse, but at the end it’s you.”

(Mark Lee)

“The scary news is, you’re own your own now. But the cool news
is, you’re on your own now.”

(Taylor Swift)

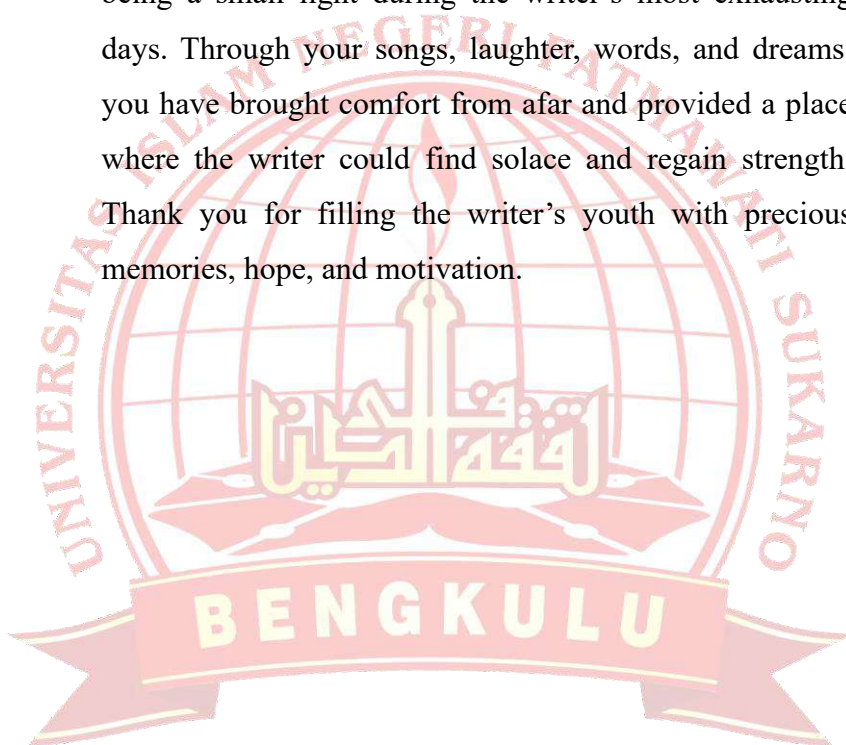


DEDICATION

1. My deepest gratitude goes to my father, Suprandi, for his endless support, sacrifices, and prayers throughout my journey. Thank you for always working hard and believing in me, even during moments when I doubted myself.
2. To my beloved mother, Pitria, thank you for being the source of warmth and comfort in every stage of my life. Your presence has always felt like home.
3. To my mother in heaven, Erti Subaria, there are feelings that words can never fully carry. You once wished to see your daughter reach at least junior high school, but life wrote a different story. Although you are no longer here in presence, your love remains deeply rooted in everything I do. This achievement is a reflection of your dream living on through me, and I hope you can see it from wherever you are.
4. To my beloved siblings, Fannan, Rizky and Hafizh, thank you for your support, encouragement, and the joy you have brought into my life. Having you by my side has made this journey more meaningful.
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presence, support, and companionship have been an important part of this journey, and I am truly grateful to have shared these years with you.

6. To Mark Lee, Huang Renjun, Lee Jeno, Lee Donghyuck, Na Jaemin, Zhong Chenle, and Park Jisung. Thank you for being a small light during the writer's most exhausting days. Through your songs, laughter, words, and dreams, you have brought comfort from afar and provided a place where the writer could find solace and regain strength. Thank you for filling the writer's youth with precious memories, hope, and motivation.



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In the name of Allah, the Most Gracious, the Most Merciful. All praises are due to Allah SWT for His blessings, mercy, and guidance, so that the researcher is able to complete this thesis entitled **“The Effect of Assemblr Edu Application on Students’ Vocabulary Mastery (Quasi-Experimental Study at the Eighth Grade of Junior High School 20, Bengkulu City, Academic Year 2025–2026)”**.

This thesis is written as one of the requirements that must be fulfilled in order to obtain the Bachelor Degree (S.Pd.) in English Education at the Faculty of Tarbiyah and Tadris, UIN Fatmawati Sukarno Bengkulu.

The researcher fully realizes that the completion of this thesis would not have been possible without the support, guidance, assistance, and encouragement from many parties. Therefore, the researcher would like to express sincere and deepest gratitude to the following honourable individuals:

1. Prof. Dr. K. H. Khairuddin, M.Ag., as the Rector of UIN Fatmawati Sukarno Bengkulu
2. Dr. Hj. Khairiah, M.Pd., as the Dean of the Faculty of Tarbiyah and Tadris, UIN Fatmawati Sukarno Bengkulu.
3. Pebri Prandika Putra, M. Hum., as the Head of the English Education Study Program.

4. Nadrah, Ph. D., as the first supervisor, and Endang Haryanto, M.Pd., as the second supervisor, for their valuable guidance, advice, and constructive suggestions during the completion of this thesis.
5. All lecturers of the Faculty of Tarbiyah and Tadris, who have provided knowledge, inspiration, and learning experiences during the researcher's study.
6. UIN Fatmawati Sukarno Bengkulu, as the institution where the researcher has studied and gained valuable academic experiences.
7. SMPN 20 Kota Bengkulu, especially the principal, English teacher, and eighth-grade students, for their permission, cooperation, and assistance during the research process.
8. All individuals who have been involved directly or indirectly in the completion of this thesis, whose names cannot be mentioned one by one.

Finally, the researcher realizes that this thesis is still far from perfection due to limitations in knowledge, experience, and ability. Therefore, constructive criticism and suggestions are highly expected for the improvement of this research in the future.

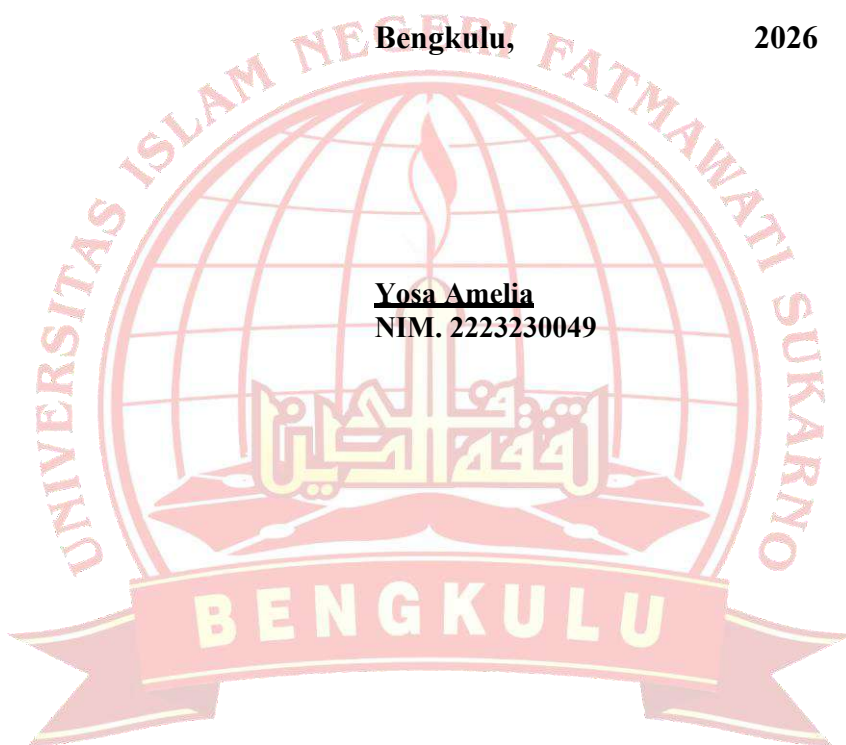
The researcher also hopes that this thesis will be beneficial for readers, especially in the field of English language teaching, particularly in improving students' vocabulary mastery through the use of educational technology such as Assemblr Edu Application.

Bengkulu,

2026

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ABSTRAK

Skripsi, Yosa Amelia, NIM 2223230049, berjudul “Pengaruh Aplikasi Assemblr Edu terhadap Penguasaan Kosakata Siswa (Studi Kuasi Eksperimen pada Siswa Kelas VIII SMP Negeri 20 Kota Bengkulu Tahun Ajaran 2025–2026).” Program Studi Tadris Bahasa Inggris, Fakultas Tarbiyah dan Tadris, Universitas Islam Negeri Fatmawati Sukarno Bengkulu.

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1. Nadrah, Ph. D.

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Penguasaan kosakata merupakan salah satu komponen penting dalam pembelajaran bahasa Inggris karena mendukung kemampuan membaca, menulis, berbicara, dan menyimak siswa. Namun, banyak siswa masih memiliki penguasaan kosakata yang rendah akibat penggunaan metode pembelajaran konvensional yang berfokus pada hafalan dan penerjemahan. Dengan demikian, penerapan media pembelajaran yang inovatif menjadi salah satu upaya untuk mendukung peningkatan penguasaan kosakata siswa. Penelitian ini bertujuan untuk menganalisis pengaruh penggunaan aplikasi Assemblr Edu terhadap kemampuan penguasaan kosakata siswa kelas VIII di SMP Negeri 20 Kota Bengkulu pada Tahun Ajaran 2025-2026. Penelitian ini menerapkan pendekatan kuantitatif dengan metode kuasi eksperimen menggunakan desain *non-equivalent control group*. Pemilihan sampel dilakukan melalui teknik purposive sampling, yang melibatkan dua kelompok, yaitu kelas eksperimen dan kelas kontrol. Pengumpulan data dilakukan melalui instrumen tes kosakata berupa *pretest* dan *posttest*. Dalam proses pembelajaran, kelas eksperimen memperoleh perlakuan menggunakan aplikasi Assemblr Edu berbasis *Augmented Reality (AR)*, sementara kelas kontrol mengikuti pembelajaran dengan metode konvensional menggunakan media gambar cetak. Pengujian hipotesis dilakukan melalui *Independent Samples Test* menggunakan aplikasi SPSS versi 27. Berdasarkan hasil pengujian, diperoleh nilai Sig. (2-tailed) sebesar 0,003 yang berada di bawah batas signifikansi 0,05. Hasil ini menunjukkan adanya perbedaan antara kelompok eksperimen dan kelompok kontrol, sehingga H_a diterima dan H_o ditolak. Dengan demikian, aplikasi Assemblr Edu terbukti efektif dalam meningkatkan penguasaan kosakata siswa dan dapat dimanfaatkan sebagai alternatif media pembelajaran bahasa Inggris.

Kata Kunci: Aplikasi Assemblr Edu; Penguasaan Kosakata

ABSTRACT

Thesis, Yosa Amelia, Nim 2223230049, entitled “The Effect of Assemblr Edu Application on Students’ Vocabulary Mastery (Quasi-Experimental Study at the Eighth Grade of Junior High School 20, Bengkulu City, Academic Year 2025–2026).” English Education Study Program, Faculty of tarbiyah and Tadris, State Islamic University of Fatmawati Sukarno Bengkulu.

Advisor:

1. Nadrah, Ph. D.

2. Endang Haryanto, M. Pd.

Vocabulary mastery plays a vital role in English language learning because it supports the development of students' reading, writing, speaking, and listening skills. However, conventional instructional approaches, such as memorization and translation, often provide limited opportunities for students to expand and apply their vocabulary effectively. Therefore, the use of innovative learning media is needed to create a more engaging and effective vocabulary learning experience. This study investigated the effect of the Assemblr Edu application on the vocabulary mastery of eighth-grade students at Junior High School 20, Bengkulu City, in the 2025–2026 academic year. A quantitative method employing a quasi-experimental design with a non-equivalent control group was adopted. Sample were selected through purposive sampling and were divided into two groups: an experimental group and a control group. Pretest and posttest vocabulary exams were used to gather data. While the control group received traditional training using printed visual media, the experimental group received instruction through the Augmented Reality (AR)-based Assemblr Edu app. Using SPSS version 27, an independent samples t-test was used to evaluate the data. The significant value (Sig., 2-tailed) in the results is 0.003, which is less than 0.05 ($0.003 < 0.05$). As a result, the null hypothesis (H_0) is rejected and the alternative hypothesis (H_a) is accepted. It can be concluded that the Assemblr Edu app is effective in improving students' vocabulary mastery and can serve as an alternative learning medium in English language instruction.

Keywords: Assemblr Edu Application; Vocabulary Mastery.

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