

**THE EFFECTIVENESS OF SCAFFOLDING STRATEGY WITH GEMINI
AI IN ENHANCING STUDENTS' WRITING ACHIEVEMENT
AT SMKN 2 PALEMBANG**



A THESIS

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of the Requirement for the Degree of Sarjana Pendidikan (S.Pd)

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**ENGLISH EDUCATION STUDY PROGRAM
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in Enhancing Students' Writing Achievement at SMKN 2 Palembang**

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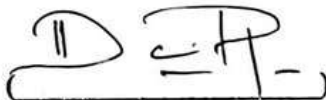
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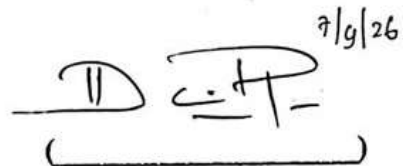
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MOTTO AND DEDICATION

MOTTO:

**“Allah does not say that life is easy, but Allah promises,
‘Indeed, with hardship comes ease’**

(Q.S. Al-Insyirah: 5–6)

**“Whatever happens in your life, do not say, ‘If only.’ Instead, say,
‘Qadarullah,’ because everything that happens is by Allah’s decree, and His
decree is always good, for Allah is the Most Good.”**

(Ustadz Hanan Attaki)

**“Never give up and keep in mind,
if you fight for your dream, your dream will fight for you”**

(Writer)

This thesis I dedicate to

My beloved parents, especially my father, who passed away during my first semester, thank you for teaching me how to be strong and kind, and for my beloved mother, thank you for giving me support and motivation to keep moving forward. You always said, "Whatever you go through in your life, you can do it".

In the world of education, to contribute to the advancement of science and development of human resources.

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Palembang, 19th of August, 2026


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ABSTRACT

Writing requires students to express and organize their ideas while continuously evaluating and revising their texts. However, students often face difficulties in expressing ideas, developing content, and using appropriate grammar, vocabulary, and mechanics, which are also influenced by factors such as low motivation and confidence in writing. This study aimed to investigate the effectiveness of the Scaffolding Strategy with Gemini AI in enhancing students' writing achievement at SMKN 2 Palembang. This quasi-experimental study involved 63 tenth-grade students, divided into an experimental group of 33 students and a control group of 30 students. The experimental group received treatment using the Scaffolding Strategy with Gemini AI, while the control group received the conventional method. The study was conducted over ten meetings, including a pre-test, treatment, and post-test. The data were analyzed using paired-samples and independent-samples t-tests. The paired-samples t-test showed that the experimental group's mean score increased from 4.0573 to 7.9470, with a mean difference of -3.88970. The independent-samples t-test showed a mean difference of 3.47397 points between the groups' post-test scores. The findings indicated significant improvements in content, organization, grammar, vocabulary, and mechanics. Overall, the Scaffolding Strategy with Gemini AI was effective in enhancing students' writing achievement in vocational education.

Keywords: Scaffolding Strategy, Gemini AI, Writing Achievement, Vocational High School

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