

The Effect of Using Grammarly Apps on High School Students in Writing Recount Text Achievement

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July, 2025



Introduction

Background of The Study

1. The Transformation of Education in the Digital Era

The Industrial Revolution 4.0 has brought significant changes to education, including the use of smart technologies like AI. Education has now shifted to Education 4.0, with modern tools such as Grammarly that help students improve their writing skills through personalized and automatic feedback.

2. The Importance of Writing Skills

Writing is a crucial skill, especially in education. In learning English, students often struggle with using correct grammar, particularly the Simple Past Tense. Common errors occur when students use the wrong verb form, highlighting the need for more effective teaching methods.

Introduction

Background of The Study

3. The Benefits of Grammarly for Students

Grammarly helps students automatically correct grammar, vocabulary, and punctuation errors. Observations show that Grammarly makes it easier for students to understand the Simple Past Tense. Previous studies also confirm that Grammarly is effective in improving writing quality, reducing errors, and providing a more positive writing experience. This research focuses on the benefits of Grammarly for 10th-grade students in writing recount texts.

Introduction

Data collection Gap

Previous Research	This Research
<ul style="list-style-type: none">• The research conducted by Fitriana & Leli (2022) discussed the use of the Grammarly app in reducing grammatical, vocabulary and writing mechanical errors.• The research conducted by Karyuatry & Rizqan (2018) discussed the use of Grammarly to improve the quality of descriptive Writing.	<p>This research discussed the use of Grammarly in writing recount texts, specifically in improving the use of the simple past tense.</p>

Introduction

Novelty

This research is expected to find out more about how effective grade 10 students are regarding the use of Grammarly in writing recount texts, especially in improving the use of simple past tense. This research is different from what has been mentioned previously on the objectives and results of the application of the Grammarly application from its object. The previous research was conducted in high school (grade 10) and in university, not in SMK (grade 10). This study examines how effective the use of Grammarly is in writing recount texts, especially in improving the use of simple past tense.

Research Objective

1. To find out how effective Grammarly is in improving students' grammatical accuracy in recount text writing, researchers can analyze the reduction in grammatical errors before and after using the tool.

Methods

Research Design

Quasi-eksperimental design using pre-test and post-test in each group. Two groups: experimental (with Grammarly) and control (without Grammarly)

Participants

Two classes from SMKN Sidoarjo: X BD 1 (eksperimental) and X BD 2 (control), each with 38 students. Final data used: 28 students per group due to a volunteer work program.

Instrument

Writing test (pre-test & post-test) focusing on recount text. Assessment based on grammar and mechanics.

Methods

Treatment

2 meetings over 2 weeks. Experimental group used Grammarly; control group used conventional method with teacher feedback only.

Data Analysis

SPSS software: normality test, independent sample t-test, and descriptive statistics.

Result

Group Statistics

	Class	N	Mean	Std. Deviation	Std. Error Mean
Score	Post-test control	28	80.54	8.855	1.673
	Post-test Experiment	28	87.86	7.507	1.419

Result

Independent Samples Test

	<u>Levene's Test</u> for Equality of Variances		t-test for Equality of Means							
	F	Sig.	t	df	Sig. (2- tailed)	Mean Differe nce		95% Confidence Interval of the Difference		
								Lower	Upper	
Nilai	Equal variances assumed	.102	.751	-3.337	54	.002	-7.321	2.194	-11.720	-2.923
	Equal variances not assumed			-3.337	52.591	.002	-7.321	2.194	-11.722	-2.920

Result

Gain Score Comparison

Group	Pre-Test	Post-Test	Gain
Experimental	81.07	87.86	+6.79
Control	81.25	80.54	-0.71

Gain Difference: $6.79 - (-0.71) = 7.50$ points

Result

Descriptive Summary (Standard Deviation)

Group	Pre-Test SD	Post-Test SD	Change
Experimental	12.57	7.51	▼ More consistent
Control	8.57	8.85	▲ Less consistent

Discussion

- **Grammarly improved students' writing scores**

Students in the experimental group had higher post-test scores and more consistent outcomes.

- **Real-time feedback helped students correct grammar and mechanics independently.**

- **Supported by previous studies**

- Ghufon (2018): Grammarly reduces grammar and vocabulary errors.
- Rahma (2021): Grammarly increases students' confidence and writing accuracy.

- **Some students relied too much on Grammarly**

There is a risk of not fully internalizing grammar rules.

- **Grammarly should complement teacher feedback, not replace it.**

Conclusion

- Grammarly significantly improved students' writing accuracy.
- Focus improvement on grammar and mechanics in recount text.
- Students became more confident and independent in correcting their writing.
- Grammarly is a useful digital tool in EFL writing instruction.
- It is most effective when combined with teacher guidance.

