

Effectiveness of Grammarly Application for Writing English Abstract

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Abstract: *The abstract is a comprehensive summary of the article's contents. The difficulty of writing English abstracts still necessitated by the mastery of the language, grammar, and words. Grammarly is an application that used to correct errors in writing abstract English text. The purpose of that study was to determine the effectiveness of Grammarly for writing abstract English. This study used a pre-experiment method. The research population was all seventh-semester students who were randomly selected as research samples. Data were collected by using the abstract text written before using Grammarly (pre-test) and abstract text that had been corrected by using Grammarly (post-test). Analysis Results showed a pre-test value of 64.86 with a standard deviation of 18.89 and a post-test of 85.72 with a standard deviation of 6.82. The results of the hypothesis test using a Paired t-test obtained p-value 0.00 (<0.05), which means that there was the effectiveness of Grammarly application in writing English abstracts text of HangTuah Tanjungpinang students. Analysis of the correction results in abstract writing found that Grammarly showed errors in the use of punctuation 10.5%, Spelling as much as 35.5%, choice of words as much as 13.4%, and sentence structure as much as 33.0%. In conclusion, this study revealed that effective Grammarly was used as a tool to improve students' writing of abstract English texts related to the correct use of English grammar.*

Keywords: Grammarly Application, Abstract, English language

1. Introduction

English as an international language is one of the most dominant languages used in communication, both orally and in writing. English generally was used in the writing of textbooks and articles that it published in international journals. Even articles published in national journals that used the Indonesian language, the abstract should be written in English. This is done with the aim that the abstract written in English to make it easier to introduce the article to a wider audience [1]. Writing abstracts in English is still an obstacle for some writers, especially for students who haven't the habit of writing in English. Writing Errors in English shows the lack of language users in the language both oral and writing. English is considered the most difficult to master because writing is a complex process that requires cognitive analysis and linguistic synthesis. It will be even more complicated if writing in a foreign language such as English because every language has a grammatical or grammatical language that must be understood and followed [2]. currently, many ways are used to find out mistakes in the use of English, specifically consulting the lecturer, but this method is often constrained by time so that lecturers find it difficult to provide comprehensive feedback to students about grammatical errors. One solution is to utilize grammar online check for tools as feedback from the lecturer This tool can save the time of students and lecturers in improving writing, in addition to training students to be able to learn independently [3]. Grammarly is an application that is used to check the written text to determine the proper use of the word with more than 250 current rules of grammar, which includes everything from subject-verb to the purposes of the manufacture of articles to provide placement that. Grammarly can provide feedback use correct spelling, so that the context of the sentence becomes correct, correcting embarrassing errors in the use of words such for example: "worthed" to "worth it" many people misspell the word, thus confusing people who read [4]. Online Grammarly programs can detect student errors in their writing. Grammarly has

features (1) Plagiarism, (2) Contextual Spell Check, (3) Grammar, (4) Punctuation, (5) Choice of Style and Words. Then, Grammarly will detect student texts and provide information on what features are right and wrong; then the assessment for writing grades can be seen by students in the Grammarly program [5]. Based on the problem above, the researcher wanted to know the effectiveness of the Grammarly application for the students of StikesHangTuah Tanjungpinang in writing abstracts in English.

2. Method

This study used a pre-experimental design to determine the effectiveness of Grammarly. One group pretest-posttest design was used in this study [6] This study used a purposive sampling technique; it means that the determination of the sample takes into certain criteria that have been made for objects following the objectives of the study [7]. The research procedures used in this research were as follows 1) Pretest was given to know the ability of students in writing English abstract, after that the text collected. Then, giving treatment to students on how to use Grammarly and write a good abstract eight times a month. Next, a posttest is given [8]. All research activities were carried out in one room. To test the validity and reliability of Grammarly, then, the researcher uploaded several abstracts that still use Indonesian and then students were asked to repeat writing the abstract using English. Furthermore, the Grammarly online program was used to detect student writing errors as follows 1] Contextual Spelling Check, 2] Grammar, 3] Punctuation, 4] Style and Word Choices. Then, Grammarly was used as the detection of student texts and gave information on what features were right and wrong. The assessment for writing grades could be seen by students. Abstract English examination that will be sent to international journals can use a free application, one of which uses Grammarly. Checking English grammar with Grammarly is done in three stages: creating a plugin in the

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browser, creating a Grammarly account; and using Grammarly, here are the detailed steps. Lukman [15]

- 1) Type grammarly.com address and click add on Firefox if using the Mozilla browser.
- 2) Create an account in Grammarly by filling in your name, email, and password
- 3) Using Grammarly
- 4) After that, check by selecting new upload, and enter the paragraph we will check the grammar (copy-paste) later
- 5) Automatically Grammarly will provide layout information by giving typographical errors

3. Results and Discussion

The searchers determined 40 nursing students of STIKESHangTuah Tanjungpinang who were preparing their thesis as research subjects. The pretest was given to know the ability of students in writing English abstract after the text was collected. Then, giving treatment to students who used Grammarly and gave good and right abstract writing procedures eight times a month and ended with a post-test.

Table 1: Distribution Frequency Grammarly Repair Results in Writing English Abstract

Grammarly Correction Results	F	%
Punctuation	105	10,5%
Spelling	355	35,5
Word Choice	13,4	13,4
Sentence structure	330	33,0

Based on the table above, the results obtained by Grammarly correction the location of writing errors in English abstracts were found in punctuation marks, 10.5%, spelling as much as 35.5%, choice of words as much as 13.4%, and sentence structure as much as 33.0%. The location of most writing errors is mostly on the spelling of 35.5%.

Table 2: Results of Pretest and Posttest Analysis on Writing Abstract in English Using the Grammarly Program

Treatment	Mean	Std.Deviation	P value
Pre-test	64,85	18,89	0,0, 0,00
Pos Post-test	100 85,72	6,82	

The results Paired Sample T-Test showed that there was a difference between pre-test and post-test of the experimental group. The p-value = .000 clearly showed that both tests were statistically significant, mean pre-test was 64.85 (SD = 18.89) and for the post-test was 85 (SD = 6.82). Means (M) the value for the pre-test is 32.90, which is the value obtained without intervention. After the post-test was conducted using 'Grammarly', the average post-test was 33.833. The difference in mean values indicates that the interventions used in this study produced higher mean scores after the use of online Grammarly examinations. The results showed that the Grammarly application had effectiveness to improve the writing of abstract English texts of students.

The usage Structure and the procedure of writing English Abstract

The abstract is an article marketing agency that helps readers decide the possibility of something in this article is important to read by providing a fast and accurate summary

and explain why the study was conducted, its purpose, how and what results. Generally, scientific articles require an abstract. Abstracts can be said to represent articles because they appear in an index database. Abstracts used in a study have provisions and procedures for writing such as; 1) abstract length is generally around 100 to 300 words depending on a journal set a rule, 2) abstract must be dense information, 3) all sentences in the abstract use the main sentence, 4) abstract content is a reflection of an article. 5) abstract must be written concisely and each sentence contains maximum information [8]

Abstract in English version should be written in compliance with the rules of writing good English in the scientific literature. Sentences in the abstract must be written with the appropriate type of sentence (tenses). Here was a guide to the tenses used in writing English abstract [9]

- 1) The Abstract Provide background details, the form of the verb used is Present tense.
- 2) The abstract must describe the research activity of the form of the verb used is Simple past tense, present perfect tense.
- 3) Describe the research method of verb form used is Simple Past Tense.
- 4) Research reports using Simple past tense form
- 5) The conclusion uses the Present tense verbs indicating tentativeness: is possible; is likely; appears; seems; might. Modal auxiliary verbs: can; may; could; might

Excellent and correct abstract writing showed the quality of the article content, therefore the sentences in the abstract must be written using language, grammar, choice of words and even good and correct spelling following the rules of abstract writing.

The form of Grammarly Correction Result in Writing Abstract Student Texts

Grammarly is an Internet application used to find errors in English usage and provides comprehensive feedback to students about grammatical errors. Also, this tool can save the time of students and lecturers in improving writing, in addition to training students to be able to learn independently [10]. Researchers determined 40 students of the Hangtuah Tanjungpinang Stikes Nursing Study Program in the seventh semester who were preparing their thesis to become research subjects. The pretest is given to know the ability of students in writing abstract English after the text is collected. Then, giving treatment to students in the form of Grammarly and correct abstract writing procedures seven times a month and ending with giving a post-test

he results of the research show that the form of abstract writing errors in English is found in the use of grammatical aspects contained in punctuation marks of 10.5%, Spelling as much as 35.5%, choice of words as much as 13.4%, and sentence structure as much as 33.0%. The location of most writing errors is mostly on the spelling of 35.5%. Error. Mistakes in writing These errors are things that deviate from the norm of the use of perfect language. When language users learn to use a foreign language, they will make many mistakes in the use of the foreign language. This is a natural thing in the process of language acquisition. To find out the errors in the use of the language, error analysis is needed [3].

Grammarly Research has been conducted by Karyuatry, L 2018 This study aimed to determine whether the use of Grammarly can improve the quality of student writing related to descriptive writing. This research was conducted based on lecturer observations which imply that students have problems with grammar and diction. From the interview, the lecturer said that the students felt bored and were not interested in writing. Also, most students think that writing in English is very difficult. To overcome this problem, the researchers worked with the lecturer to conduct action research involving 40 students. Research data were collected by three instruments, namely interviews, student essays, and questionnaires. Then, the findings show that when Grammarly was used in descriptive teaching, there were 32 (82%) of 40 students who graduated. The researchers concluded that Grammarly can be used as an appropriate tool to minimize errors and improve the quality of student writing. [11]

he same research has also been carried out by Schraudner M 2014. Grammarly can find some common errors in the form of language errors more in the punctuation area (178) [12]. Meanwhile, according to research Yulianti E 2018, the results of the data showed that students had a positive perception of using technology in learning to write recount texts. Students think so using word processors and Grammarly, an online viewer, helps them in the writing process. Using the Grammarly application [4]

The effectiveness of the online Grammarly application for Writing English Abstract Texts.

Table 2 results Paired Sample T-Test showed that there was a difference between pre-test and post-test of the experimental group. A value of $p = .000$ indicates that both tests were statistically significant that Grammarly was effective in correcting the writing of abstract English text. All the difference in the average scores when comparing the first and second tests show that uses abstract writing Grammarly effective to correct grammatical elements in their abstract text

The same research was conducted by Kalpana Jayavalan and Abu Bakar Razali 2018. This research explored the effectiveness of Grammarly, a grammar checker computer application, in helping students write narratives. This research is guided by the theories and principles of the Proximal Development Zone (ZPD) Vygotsky (1978) and Knowles' (1984). -Directed Learning Approach. This study used a quantitative research methodology, which is a quasi-experimental approach with an unequal control group design. Participants in this study were 60 of four students from two different classes in public elementary schools in the western state of Peninsular Malaysia. Data was collected for research through pre- and post-tests which were then analyzed using paired sample T-Tests. The results revealed that grammar helped the narrative writing instruments among students in the experimental group, especially in sentence construction. The results of this study reveal that at the level of $P = .000$ alpha the grammar examiner helps in writing narrative essays among students, especially in the use of correct grammatical functions (verb-subject agreement, sentence structure, spelling, and signs read). [13]

Grammarly detected the abstract text and gave information about the location of errors that are right and wrong; Furthermore, the assessment for writing classifications could be seen through the features possessed by Grammarly. Grammarly explained the students to correct their mistakes while writing. After that, students can click 'underlined word' to get a more detailed explanation including correct and incorrect sentences. Grammarly also explained in detail the form of writing errors. Grammarly also explained ' Score performance' each writing abstract text so students knew their capability in writing. Students could correct their abstract writing errors, and learn independently about the explanations given by 'Grammarly' regarding aspects of their grammar. The same statement was also expressed by Pujiawati 2018 that the research subjects showed a positive response to the use of Grammarly. Respondents consider that grammar examined not only helps the students in identifying the location of errors and correcting errors in text but also directs them to become independent learners or autonomous learners [14].

4. Conclusions

- The results of the Paired Sample T-Test showed that there was a difference between the pre-test and post-test of the experimental group. A value of $p = .000$ indicates that the tests were both statistically significant, the mean for the pre-test was 64.85 (SD = 18.89) and for the post-test was 85 (SD = 6.82). Means (M) the value for the pre-test is 32.90, which is the value obtained without intervention. After the post-test was conducted using 'Grammarly', the average post-test was 33.833.
- The results of an examination of abstract writing using Grammarly, lies in the use of grammatical aspects contained in punctuation marks of 10.5%, Spelling as much as 35.5%, choice of words as much as 13.4%, and sentence structure as much as 33.0%. The location of most writing errors is mostly on the spelling of 35.5%.
- Based on the research data above, the Grammarly application can provide comprehensive feedback to students about grammatical errors, thus saving students and lecturers time in improving writing, while also training students to be able to learn independently.

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