



# Grammarly Plagiarism Checker in Promoting Quality

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**Abstract:** The need for quality output in the research sphere is paramount to the overall success in the academic environment. Most student finds it difficult to construct a grammar that will match the message they intend to convey. This has further posed a series of workloads on the part of their supervisors in reading and correcting grammatical tenses and phrases. The present study sought to examine Grammarly plagiarism checkers in promoting quality research practices among students in tertiary institutions in Cross River State: Implication in research outputs. The study adopted a descriptive survey design using a population of 494 respondents from the University of Calabar, Cross River University of Technology, College of Education Obudu, and Akamkpa and College of Health Technology. A sample of 209 (50%) was drawn using stratified and simple random sampling techniques and a well-validated questionnaire titled Grammarly plagiarism checker questionnaire (GPCQ) Was used for data collection. The reliability was established with inter-rater reliability and the index ranged from .087 to .92 and the findings revealed that

**Keywords:** Grammarly, Plagiarism Checker, Quality Thesis, Research Outputs

## 1 INTRODUCTION

In early 2008, a scholar named Alex Shevchenko and Max Lytvyn in the USA originated Grammarly to enhance English grammar spelling and writing. To the author, Grammarly was introduced to enhance students' quality in writing their academic undertakings. The primary aim of every educational institution is to produce quality in the presentation of instruction most especially in their research skills and applications.

Enhancing quality in research undertaking is very important to the teachers, students, and society at large. This is because the strength of every academic exercise is to promote quality no wonder Nigeria has been ranked low in a high level of research and productivity. By way of explanation, Grammarly is an app that can foster correct English writing. It helps

to correct word choice mistakes and construct (proofread and edit their documents for grammar and spelling) In the academic environment where students are faced with a series of assignment, term papers, and even undergraduate and graduates project they need a more refined tool that could help fix errors when committed in a piece of write-up. In the modern setting where students are given the leverage to explore ideas expressing their thought, and ideas with their own words. Most students find it not easy to confidently express their ideas with the right and correct words to use in constructing their sentences. Also to inform that many of the students/researchers do not appropriately construct the right spelling, punctuation, and grammar. Those difficulties and weaknesses make students unable to improve their writing skills, students do not know their mistakes when they are writing. To solve this problem, we can use Grammarly to help find out the correct one.



According to Pratiwi (2015), who rightly outlined some basic challenges, most students encounter in writing the research project, thesis, or dissertations in school such as poor vocabulary construction, poor grammatical construction lack of appropriate spelling skills coupled weak articulation of sentences. In the same vein, McNamara, Scott, Crossey, Philip and McCarthy (2010) found to presenting quality writing requires certain contained linguistic features such as syntax complexity, lexical diversity, and word frequency as such Grammarly will to a large extent assist students to learn writing strategies, and construct the writing process, will help students to improve the sophistication of their language. This implies that quality in any research process requires sound knowledge of grammatical construction, proper ideas in articulating language, and effectiveness in punctuations. This has prompted Grejda and Hannafin (1992) to examine the effect of word processing on holistic writing quality and revision patterns. The subjects included 66 sixth graders and 3 classroom teachers. As the result, it showed that students in all groups revised the standard composition more effectively than their original compositions' which was true for both mechanical and organizational revisions. Comparatively few new mechanical and organizational errors were made by the word processing students, whereas new errors were substantially more common for the other writing groups.

Qassemzadeh and Soleimani (2016) conducted a study that aimed to explore the impact of quality feedback provision by Grammarly and teachers on learning passive structure. 70 intermediate male and female EFL learners were divided into control and experiment groups. Based on the delayed posttest, the results revealed that the impact of feedback provision through Grammarly was more than the impact of teacher's feedback on retaining passive structure. Yulianti and Reni (2018) conducted a study on the utilization of Grammarly in teaching writing recount text through a genre-based approach. The study was conducted with two hundred and ten (210) students of high school. The statistical analysis revealed that the student's perception was positive toward the use of technology in a genre-based approach in teaching writing recount text. Particularly, Grammarly through a genre-based approach improved students'

writing recount text. Grammarly benefited the students in writing cycles.

Another study by Mustafa, Kirana and Bahri (2016) revealed that students have produced many errors in their written text there are include composition, grammatical found in spelling, plural, verb, tenses, preposition, articles, capitalization, and punctuation. It is very paramount that utilizing Grammarly in schools among all students should be encouraged if the quality of our research project, thesis, and dissertation must catch western quality education. It is based on this background that the study sought to examine Grammarly plagiarism checkers in promoting quality research practices among students in tertiary institutions in Cross River State and its implications on research outputs.

## 2 STATEMENT OF THE PROBLEM

Quality presentation of language in terms of writing is very paramount in every academic endeavor. Without quality presentation of ideas and taught education endeavor will be worthless. To be an effective writer demands some sort of tutorial that can assist the student to be a professional writer. From the researcher's experience, most students find it difficult to construct sentences, articulate ideas for paragraphs and use appropriate punctuations effectively. Using singular and plural were necessary for research undertakings has been an unachievable dream for most students. It was seen in a practical scenario where a student speaks to the satisfaction of the external examiner, but on assessing the student's thesis, the tenses used were nothing to write home about. This made the examiner pose the question of why most students speak better than they write. Most research work has been heavily criticized by supervisors of research projects, thesis, and dissertations for poor grammatical construction, leaving the supervisor to be stressed on how to help build more meaning to the grammatical construction of the thesis. In most cases, students seek professionals in the English language to help build more meaning in the research practices. This has helped to reduce the error rate in most thesis. Ruhama and Purwaningsih (2019) informed that some English professionals, charge huge amounts of money from their clients for reading and effecting corrections.



Thus, making the students stressed especially those who do not have the funds to foot the bills. Even in most cases, after reading and corrections made there still lingers obvious grammatical errors. Grammarly has been the best choice to promote the quality of research undertakings. This underscores the question of how Grammarly plagiarism checkers help in promoting quality research practices among students in tertiary institutions in Cross River State: Implication in research outputs? This is the thrust of this research study.

### 3 RESEARCH PURPOSE

The main purpose of this study was to examine Grammarly plagiarism checkers in promoting quality research practices among students in tertiary institutions in Cross River State: Implication on research outputs. Specifically, the objectives are jotted below:

Determine how Grammarly plagiarism checker has helped to promote timely and easy correction of research practices among graduate students.

Examine the extent to which Grammarly plagiarism checker has helped in building quality in research practices among graduate students.

Find out the relative effectiveness of Grammarly plagiarism checker on the reduction of plagiarism in research practices among graduate students.

### 4 RESEARCH QUESTIONS

The study posed the following research questions as a guide to the present study:

To what extent has Grammarly plagiarism checkers helped in promoting timely and easy correction of research practices among graduate students?

How has the Grammarly plagiarism checker helped in building quality in research practices among graduate students?

What is the relative effectiveness of Grammarly plagiarism checker on plagiarism reduction in research practices among graduate students?

### RESEARCH METHODS

To successfully execute this research undertaking, the study adopted the Ex post facto research design was used in the study using a population of 491 respondents drawn from the University of Calabar, Cross River University of Technology, College of Education Obudu, and Akamkpa and College of Health Technology. The strategies and simple random sampling techniques A sample of 209 (50%) was drawn using stratified and simple random sampling techniques and a well-validated questionnaire titled perception of Grammarly plagiarism checker questionnaire (GPCQ) was used for data collection which was validated by three experts in educational measurement and English language respectively and the reliability was determined with inter-rater reliability and the index ranged from .087 to .92. To analyze the data, descriptive (simple percentages and bar charts) were Adopted

### 5 RESULTS

The results of this study were presented based on the stated research question with descriptive statistics, simple percentages, and bar charts as shown below

Research question one: To what extent have Grammarly plagiarism checkers helped in promoting timely and easy correction of research practices among graduate students?

**TABLE 1: EXTENT TO WHICH GRAMMARLY PLAGIARISM CHECKERS HELPED IN PROMOTING TIMELY AND EASY CORRECTION OF RESEARCH PRACTICES AMONG GRADUATE STUDENTS (N=201)**

s/n	Statement	SA	%	A	%	D	%	SD	%
1	corrections with Grammarly are timely done	106	52.74	64	31.84	20	9.95	11	5.47
2	Limit stress on supervisor with minor corrections in my thesis	78	38.81	112	55.72	9	4.48	2	.99



3	Makes corrections to be done with stress	1	.50	8	3.98	60	29.85	132	65.67
4	It saves me from fatigue	76	37.81	97	48.26	8	3.98	20	9.95
5	It discourages the timeliness of production of my research work	6	2.99	20	9.95	67	33.33	108	53.73

Table 1 revealed the results of the descriptive statistics with the extent to which Grammarly plagiarism checkers helped in promoting timely and easy correction of research practices among graduate students. While for corrections with Grammarly are timely done, the majority of the respondent strongly agreed 105 (52.74%) while the least response were those who strongly disagreed that corrections with Grammarly are timely done 11 (5.47), for those who said that Grammarly limit stress on supervisor with minor corrections in my thesis those with agree dominated the study

with a total of 112 (55.72%), and the least are those who strongly disagreed 2 (0.99%), again 132 (65.67%) respondents strongly disagreed that Grammarly makes corrections to be done with stress while the least are those of the category of strongly disagree 1 (0.50%). Of those who said that Grammarly saves them from fatigue, 97 (48.26%) agreed while the least are those who disagreed with 8 (3.98%). Finally, 108 (53.73%) said it discourages the timeliness of production of my research work while 6 (2.99%) are of the view that Grammarly discourages the timeliness of production of my research work. The summary of the results is presented in Figure 1 below.

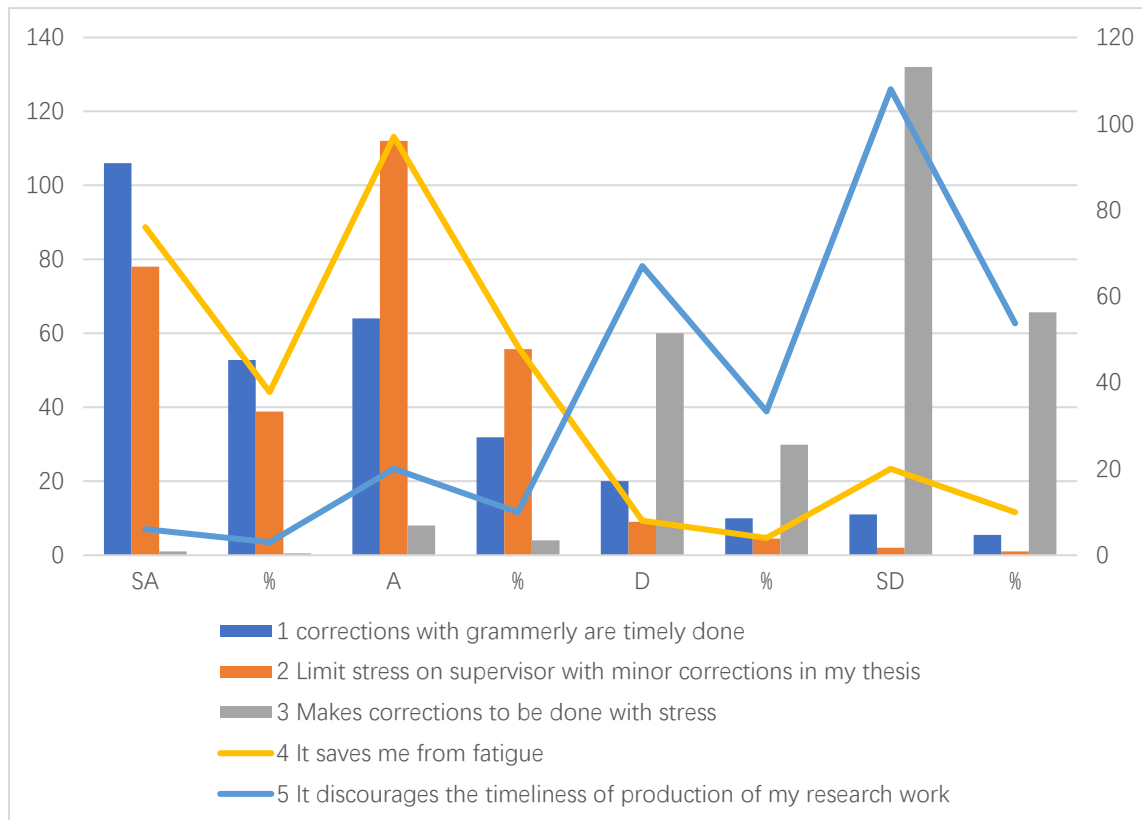


FIGURE 1: BAR CHART OF THE EXTENT TO WHICH GRAMMARLY PLAGIARISM CHECKERS HELPED IN PROMOTING TIMELY AND EASY CORRECTION OF RESEARCH PRACTICES AMONG GRADUATE STUDENTS

Research question two: How has the Grammarly plagiarism checker helped in building quality in research practices among graduate students?



TABLE 2: EXTENT TO WHICH GRAMMARLY PLAGIARISM CHECKER HAS HELPED IN BUILDING QUALITY IN RESEARCH PRACTICES AMONG GRADUATE STUDENTS

s/n	Statement	SA	%	A	%	D	%	SD	%
6	make research work to be error-free	83	41.29	76	38.81	30	14.93	12	5.96
7	hardly do a thorough correction of the work	1	.50	4	1.99	96	47.46	101	50.25
8	limit the output of the research study	12	5.97	10	3.99	92	47.76	87	43.28
9	gives a better picture of the grammatical construction of the research study	90	44.78	95	47.26	11	5.47	5	2.49
10	Make the research study to be easily readable	125	62.19	69	34.38	2	0.99	5	2.49

Table 2 presents the results of the descriptive statistics with the extent to which Grammarly plagiarism checker has helped in building quality in research practices among graduate students. While Grammarly makes research work to be error-free 83 (41.29%) strongly agreed while the least 12 (5.96%) strongly disagreed. 101 (50.25%) dominated the study that Grammarly does not do a thorough correction of the work while 1 (0.50%) person strongly agrees that the fact that Grammarly does not do a thorough correction of the work. With the opinion that Grammarly limits the output of the

research study 92 (47.76) strongly disagree while only 10 (3.99) strongly agree. Similarly, 90 (44.78%) of the total respondent strongly agree that Grammarly gives a better picture of the grammatical construction of the research study with only 5 (2.49%). Finally, 125 (62.19%) strongly disagree that Grammarly makes the research study to be easily readable with only 2 (0.99%) saying that Grammarly makes the research study to be easily readable. The results are graphically presented in figure 2.



FIGURE 2: GRAMMARLY PLAGIARISM CHECKER, IN BUILDING QUALITY IN RESEARCH PRACTICES AMONG GRADUATE STUDENTS.



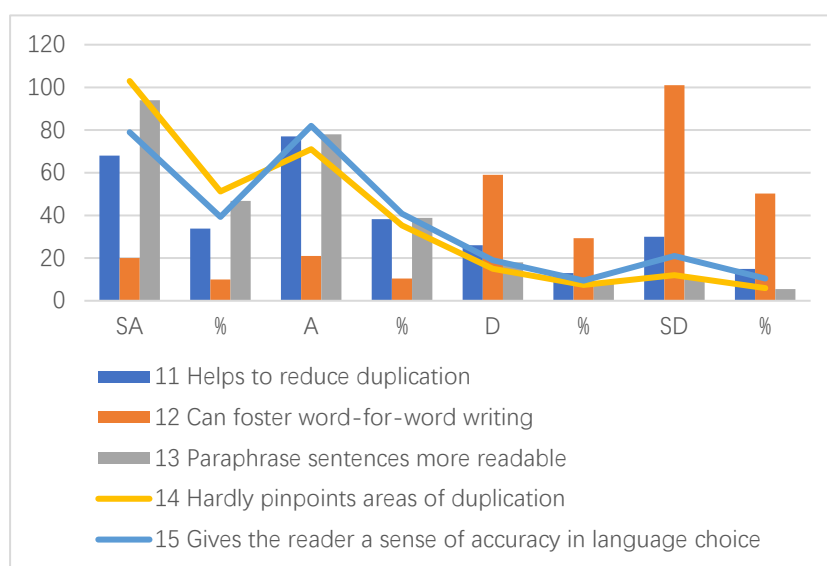
Research question three: What is the relative effectiveness of Grammarly plagiarism checker on plagiarism reduction in research practices among graduate students?

**TABLE 3: RELATIVE EFFECTIVENESS OF GRAMMARLY PLAGIARISM CHECKER ON PLAGIARISM REDUCTION IN RESEARCH PRACTICES AMONG GRADUATE STUDENTS**

s/n	Statement	SA	%	A	%	D	%	SD	%
11	Grammarly helps to reduce duplication	68	33.83	77	38.23	26	12.94	30	14.93
12	Grammarly fosters word-for-word writing	20	9.95	21	10.45	59	29.35	101	50.25
13	Paraphrase sentences more readable	94	46.77	78	38.81	18	8.96	11	5.47
14	Hardly pinpoints areas of duplication	103	51.24	71	35.32	15	7.46	12	5.97
15	Gives the reader a sense of accuracy in language choice	79	39.30	82	40.79	19	9.45	21	10.45

It can be discerned from Table 3 of the relative effectiveness of Grammarly plagiarism checker on plagiarism reduction in research practices among graduate students majority of the respondents 77 (38.23%) agreed that Grammarly helps to reduce duplication with the least 26 (12.94%), a high percentage of the respondents 101 (50.25%) strongly disagreed that Grammarly helps to reduce duplication while the least are those of the category of strongly disagree with 20 (9.95%). Those who are of the view that Grammarly paraphrasing sentences are more readable, strongly

agree 94 (46.77%) with 11 (5.47%) strongly disagreeing. For Grammarly hardly pinpoints areas of duplication 103 (51.24%) strongly agreed while 12 (5.79%) strongly disagreed that Grammarly hardly pinpoints areas of duplication. Finally, 82 (40.79%) agreed that Grammarly gives the reader a sense of accuracy in language choice with only 19 (9.45%) who disagreed that Grammarly gives the reader a sense of accuracy in language choice. The results are graphically presented in figure 3.



**FIGURE 3: RELATIVE EFFECTIVENESS OF GRAMMARLY PLAGIARISM CHECKER ON PLAGIARISM REDUCTION IN RESEARCH PRACTICES AMONG GRADUATE STUDENTS**



## 6 DISCUSSION OF FINDINGS

The findings emanated from the study as discussed based on the stated research questions discussed below

The result of the study revealed that Grammarly plagiarism checkers helped in promoting timely and easy correction of research practices among graduate students. The results are in this direction because the majority of the respondent think that the software has helped millions of students in the academic field. The results also affirm the fact that most students use the software in effecting corrections in their research study due to its swift nature. The finding aligns with Pratiwi (2015), who informed that Grammarly has helped students cope with the challenges of quality writing in research projects, thesis, or dissertations in school and has also improved students' vocabulary construction, grammatical construction proper spelling skills coupled with the good articulation of sentences

The results of the second research question revealed that the majority of the respondents agree that the Grammarly plagiarism checker has helped in building quality in research practices among graduate students. Quality in research practices among students has been enhanced with the use of Grammarly software. Most users in the population have attested to the fact that they hardly see their supervisor with minor corrections as they claimed that the software is a perfect editor in dotting their i's and t's to promote and enhanced their learning outcomes. The present findings concur with the study of McNamara, et al. (2010) who found Grammarly has to a large extent assist students to learn writing strategies and constructing the writing process, which will help students to improve the sophistication of their language. In the same vein, Grejda and Hannafin's (1992) result indicates that students in all groups revised the standard composition more effectively than their original compositions' which was true for both mechanical and organizational revisions.

The findings of the third research question showed that the Grammarly plagiarism checker is relatively effective in plagiarism reduction in research practices among graduate students. Thus the majority of the

respondents agree that the software has the relative ability to spellcheck and correct all errors in a research study. The results are supported by Qassemzadeh and Soleimani (2016) whose results revealed that the impact of feedback provision through Grammarly was more than the impact of teacher's feedback on retaining passive structure. Equally, Yulianti and Reni's (2018) findings also showed that the students had a positive perception of the adoption of Grammarly in learning and writing their research work.

## 7 SUMMARY OF THE STUDY

To maintain quality in research delivery, which is the sole aim of every institution, graduate students must devise a means of ensuring quality in the tenses rather than merely waiting for their supervisor for correction or contracting research exercises. Grammarly is the key to unlocking students' poor writing in their research activities. Most academic scholars do not know of the relative importance of the software in maintaining a high level of research delivery. The study has established a link on the place of Grammarly plagiarism software which is seen better than turning it in. this is due to its nature of providing solutions to poorly constructed grammar. All research exercises must be subjected to Grammarly to enhance the quality of the sentence, spelling, and punctuations. All students must utilize Grammarly software in their research exercises knowing its role as it assists scholars to find and correct errors in their research work and helps reduce the incidence of plagiarism. In summary, the study request student to turn in their research work for adequate corrections to enhance the quality of their research endeavour.

## 8 IMPLICATIONS ON STUDENTS' RESEARCH OUTPUT

In promoting academic integrity in research undertaking students need to display a high level of academic trust and integrity in research output. When quality is lacking in any study, there is bound to be poor productivity in the overall output. To this end, research scholars should seize the moment to utilize a Grammarly plagiarism checker to turn in their research study to enhance quality. Also, grammatical



and sentence correction should be the watchword of every research endeavor, hence poor grammatical construction can be enhanced with the use of Grammarly. Consequently, the study recommends that all students in tertiary should be encouraged as a condition for academic excellence to adopt Grammarly in their academic exercises irrespective of the area of discipline. The study also recommends that an orientation campaign should be conducted across all schools in Nigeria if we hope to build a solid foundation in the research and publication world.

## REFERENCES

- [1]Grejda, G. F., and M. J. Hannafin. ( 1992). Effects of Word Processing on Sixth Graders' Holistic Writing and Revisions." *Journal of Educational Research* 85 (3), 144-149.
- [2]McNamara, D. S., Scott A., Crossey, E., Philip M. & McCarthy. R. (2010). Linguistic Features of Writing Quality." *Written Communication* 27 (1), 2-8.
- [3]Mustafa, F., Kirana, M., & Bahri Ys, S. (2016). Errors in EFL writing by junior high students in Indonesia. *International Journal of Research Studies in Language Learning*, 5(5). 12-19.
- [4]Pratiwi, K. D. (2015). Students ' Difficulties in Writing English ( A Study at The Third Semester Students of English Education Program At University of Bengkulu Academic Year 2011-2012 ) Kristy dwi pratiwi Universitas bengkulu. Universitas Bengkulu.
- [5]Qassemzadeh, A. & Soleimani, H. (2016). The Impact of Feedback Provision by Grammarly Software and Teachers on Learning Passive Structures by Iranian Efl Learners." *Theory and Practice in Language Studies* 6 (9), 1884-1894.
- [6]Ruhama, U., & Purwaningsih, D. I. (2019). Improving Students' Writing Skills through the Application of Synectic Model of Teaching Using Audiovisual Media. *English Language Teaching Educational Journal*, 1(3), 170-176.
- [7]Yulianti, E. & Reni, R. (2018). Utilizing Grammarly in Teaching Writing Recount Text through Genre Based Approach." *International Journal of Science, Technology and Society* 6 (1), 1-5.