

OPTIMIZING PROWRITING SOFTWARE TO ENHANCE WRITING IN EFL CONTEXT

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ABSTRACT

This study aims at investigating educational technology in writing. Prowriting is an application that used to support writing. It helps a writer to edit essential parts in writing process. It covers grammar, style, and summary reports. Therefore, it is beneficial to use Prowriting in writing class. The mixed-method as a research design on quantitative and qualitative. Parallel design where both of data taken concurrently. The students of the non-English department, 10 students of Akademi Farmasi Kusuma Husada Purwokerto got involved in this research. Writing criteria are also measured as interrater in this research. It results in the means of all requirements. Globally, Purpose, Audience, Coherence, and Unity are 2.46, 2.3, 2.3, 2.3, and 2.13. Besides, the writing captured from Prowriting is grammar, style, and spelling. Those are illustrated in the summary report. Moreover, it describes students' engagement, improved writing results, self-learning (learning at the own pace), and the educational technology system's progress.

Keywords: *Prowriting; Writing Criteria; and Educational Technology*

INTRODUCTION

Recently, the need for technology is higher to support human life because of the pandemic, which happens as a global issue and because of the efficiency and the fastest to get the better result and save time. These phenomena occur in almost all fields such as work, education, social, and politics.

In education, it is known as educational technology. Educational technology is a wide array of technological application use in teaching or learning that supports students' or teachers' performance.

The overview revolution industry is mechanical production, mass production, automated production, digital transformation, the transformation manufacturing plan to IoT (George & A.S George, 2020). In the revolution industry 5.0, humans work better

and more quickly. They are assisted by robots and IoT (Internet of Things). The collaboration of human, robots, artificial intelligence (application) make working efficiently.

The threshold of revolution industry 5.0 affects society's attitude in working and filling the life need. They become modern, efficient, effective, faster in doing their work. The image of revolution industry 5.0 for society involves artificial intelligence in human's life, intending to picture human capacity and returning them as the middle of the universe. The community is known as *Super Smart Society* (Federation & Federation, 2017). Thus, society work with robots, smart machines, IoT, as well as big data. The automation and efficiency are there.

Technology has benefits in the teaching and learning process. It helps teachers and students to work effectively. Modern technology also claimed to increase students' interactivity in learning (Baterna et al., 2020). Another educational technology used in teaching and learning is integrating information, communication, and technology (ICT) in education to enhance dynamic and proactive teaching-learning processes (Ranasinghe & Leisher, 2019).

Preceding Analysis on educational technology is *Technology Application in Education and Learning Process*. It pictures the medium of the teaching and learning process to provoke students' interest in learning. Making TTS columns and uploading stories and videos on YouTube optimizes technology in teaching and learning (Sudarsana et al., 2019). Another application used an online application. The published research discussed on online application for writing is *Online Grammar Checker and their Use for EFL Writing*. The explication of the online application such as *Gingger, Grammarly, Prowriting, as well as GrammarChecker*. *Prowriting software* is used in this research because students could identify their errors by finding those from real-time editing summary report. The errors on students writing such as repeated words or phrases, redundancies, pacing issues, vagues and abstracts words, overused words as well as grammars errors could be identifies by *Prowiting Software*. Those are useful for fostering students' writing in terms of feedback, grammar, and other writing elements (Perdana & Farida, 2019). The writing issues of EFL learners are varied. One of them is described in the article, titled *The Use of ProWriting Aid WEB in Editing Students Writing*. The exposure on writing editing got by the researcher. There are *Pre-Teacher Activities, Whilst-Teachers Activities, and Post-Activities* (Perdana & Farida, 2019). It can be concluded from the research that technology assists the teaching and learning process. Based on the research

overview, the writer needs to explicate more educational technology in helping students' needs. The elucidation is how to optimize *Prowriting Software* in enhancing students' writing.

Aside from the fact that educational technology facilitates teaching and learning, writing in a foreign context is essential for both teachers and students. One of the best application support the process is *Prowriting Software* (Perdana & Farida, 2019). It is an online writing editor which features are editorial features such as repetitiveness, wording, passive voice, sentence construction, and adverb.

Prowriting Software has a *grammar checker, style editor, and writing coach*. There are abbreviations, capitalization, words, contractions, run-on sentences, and spelling in the grammar checker. The abbreviation is lessen word or phrases (Paramitha & Marlina, 2017). In the term of abbreviation, *Prowriting Software* provides information about the definition and examples of the acronym. It consists of abbreviations for titles and degrees, Latin, and other standard abbreviations. Another grammar term is *capitalization*. It is capital letters. It uses noun, titles, and other standard parts (Challay & Jones, 2019). A *compound word* is words that are combined and create a different meaning. The compound words and their constituents make a specific sense (Valerisha & Putra, 2020). Other forms in grammar checkers are contractions and *run-on sentences*, as well as spelling.



Figure 1. uploaded Article
The Analysis of the uploaded text is given



Figure 2 Grammar Checker

Prowriting Software reported writing style and technique. Those help users to find out the particular style as well as the techniques. Thus, if the icon is clicked, the information on problematic words, phrases, and sentences will be pictured. The user will get detailed information. The technical English usage will be there. The icons picture tone, style, and pacing.

Moreover, the students face problems in English writing. They experienced errors in writing, such as grammar, punctuation, and spelling. Those brings about the difficulties in writing. Even, the students did not understand their writing errors. So the same repetition happened so often.

Based on the need of both students and teachers in educational technology. Thus, it resulted the necessity in using *Prowriting software* to support students' editing in writing and recognize errors in writing.

METHOD

Mixed method research is research determined mixing methods in Analysis, collection, and interpretation (Shorten & Smith, 2017). The type of mixed method designed applied in the study is parallel—the qualitative and quantitative data accumulated simultaneously.

The data gained in several steps:

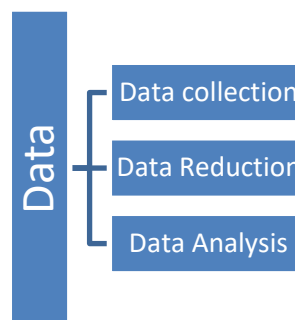


Figure 3. Gaining the Data

Data collection, as a part of primary gaining the data from students works. The lecturer asked the students to write certain topic. The papers submitted to *Prowriting*. The results of it described in the next step. Last, those pictured in certain features.

Data reduction, the data were sorted based on the students' mistakes and errors. The limitation of the research is only for knowing the error of students. Other features will be analyzed in another term.

Analysis, the data depict based on the criteria of writing aspects: purpose, audience, clarity, unity, and coherence (Mai, 2016). The data are code **DxSx** (Data 1 Student 1). There are 10 participants during the research.

Table 1. *Writing Aspects*

NO	Criteria	Very Good (4)	Good (3)	Fair (2)	Poor (1)
1.	Purpose				
2.	Audience				
3.	Clarity				
4.	Unity				
5.	Coherence				

FINDINGS

Prowriting Result

Prowriting give suggestion on the writing highlight. It is on grammar, spelling, and style.



The research only focus on the students on the use of prowriting software. The students used the suggestion given by Prowriting software. Those are grammar, style, and spelling. The benefits for using prowriting software is the students empowering self learning and reading the related theories.

Figure 3 D1S1

Figure. 4. Students Writing on Grammar

In style of writing the writer use pronoun "my" too often. It shown in *Prowriting suggestion* that those can lead to boring in reading. Therefore, the writer need to restructure. "my" in sixth sentence need to add preposition "at". The sentence "my father's job is a teacher" need to add 'as' before 'a'. Another mistake is the use word everyday which is the function is an adjective. Thus, it must be 'every day'.

The highlight marks recommend students to change the word with the appropriate ones. By clicking the icon, students have self-pace to learn, select the best words to represent their ideas. The autonomy of learning offers in this system. From figure 4 are the mistake on capitalization. Both of the words "every" and 'there' must be written in uppercase.

Another result got from *Prowriting* is summary report.



Figure 5. Summary Report D1S1

The error are the use *also*, *cook*, *eat*, *my*, *a good personality* and *help*, as well as *my*. The revision is *also* is not used at the end of the sentence, so change it to *as well*. Another error is *cook* which does not appear to agree with the verb *cook*. It must be *cooks*.

Writing Criteria

Purpose statements are the presented task based on the topic. It describes relevant explanation and information. For audience aspect, it focuses on the use for style in writing. It can be formal and informal. The clarity

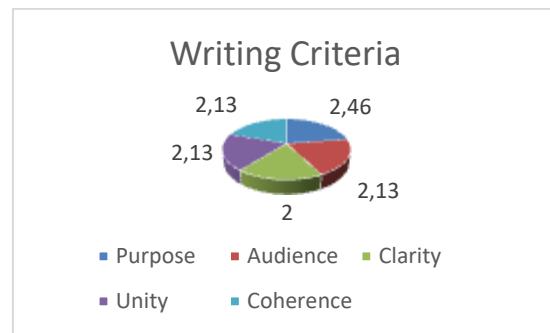


Figure 6. Writing Criteria

The pie chart illustrates the means of writing criteria on the students' paper. Overall, *purpose* is 2.46, while the means of *audience* and *coherence*, as well as *unity* at the same point, with only 2.13. Another criterion account for only 2 respectively.

To sum up, repetitive error such as commas, subject and verb agreement, pronounce usage, apostrophe usage, colons and semicolons, your vs you're, its vs.it's, their vs. there, which vs. that who vs. whom. The use of commas. Basically, the use of

commas to separate words, to join compound sentences, to connect to introductory phrases. Subject and verb agreement is shown in (D2S2), *my sibling ware sick*. It must be *my sibling was sick*. The pronoun usage (D3S3) *each of us are buying the books*. It must be *each of us is buying the books*. The usage of apostrophe usage. Apostrophe denote possession, they are after possessive pronoun. *Her school is in between her store* (D454).

DISCUSSION

Educational technology keeps students engaged, both lecturer and students use *Prowriting* competently. It means the students engaged in the process of learning. Practical technology use in teaching and learning process aims at preparing students to be aware of their own problem such as grammar, clarity, coherence, and other criteria. They have their own writing reports. Therefore, those bring about the students fascinated with the technology and boost their engagement. The feature of *prowriting* software asses SPAG (Spelling, Punctuation, and Grammar) .

Technology assist student improve their result. The need of technology in education is higher for students as well as teachers. The demand of it reflect on their daily activity. The use of smartphone and tablet to help me finding the meaning of words, looking for sources, finding suitable videos are evidence of the technology demand. The flipped classroom conducted by teachers really needed nowadays. The style of teaching and learning are changing nowadays because the efficiency and effectivity, as well as the huge of educational trend. Students can pay attention and find their own progress. The student did in the mistake of capitalization D1S1 changed to the understanding of the use uppercase in sentences.

Students can learn at their own pace. The technology creates different atmosphere of teaching and learning. The students used to have lecturers' report on their writing. It

will take for a while, sometimes. Yet, the technology keeps it faster. The students have their own account at the platform. The self-learning such as students can read the theories if they understand, they can click the icon that they need, and they can go faster if they need to do so.

Technology improve the entire educational system. The *Prowriting* assist the demand of students as well as the lecturer. The terms of criteria such as style, unity, coherence, language. These mean anyone can learn anything they need. In learning, one to others students have different competence, and need as well as priority. The technology serve beginner to advance students to improve their writing based on their own pace and own problems.

The collaborative learning and hand-on project are here. The lecturer and students can work together based on the goal of the subject. The lecturer achieved the aim of the writing class while the students understand their own problem. The collaboration occurs to achieve the learning competence. The lecturer set the useful technology, the students practice more on writing.

CONCLUSION

The reseach only focus on the students on the use of *prowiting* software. The students used the suggestion given by *Prowriting* software. Those are grammar, style, and spelling. The benefits for using *prowriting* software is the students empowering self learning and reading the related theories.

Teaching and learning process is supported by the existing technology. Educational technology assists lecturers and students to have a hand-on project based on the students' need.

To sum up, there are some points got in the research such as students' engagement, assisting lecturers, improvement on students' result, advanced technological system, as well as collaboration. For further research, it can be broaden for teaching writing for genres, empowering self-paced learning for writing, and teaching.

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