Improving Writing Skills:
A Review of AI to A Comprehensive Approach

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Abstract

The ability to write is becoming an increasingly important skill, especially with the growing need for interesting and informative online content along with the growth of social media, blogs and other platforms. However, until now there are still many people who face various challenges in developing their ability to write effectively, even though they have strong ideas and in-depth knowledge, they may also experience various difficulties in conveying their messages through writing clearly and convincing. So, this research aims to explore various roles in a comprehensive approach, this aims to improve writing abilities using AI. It is also hoped that this research will provide readers with various valuable insights so that they will feel interested in improving their ability to write effectively in an innovative and comprehensive way. This research uses a descriptive-qualitative research method so that it can provide various descriptions of the approach taken in a comprehensive manner, this was done to improve their ability to write effectively. This research also adopts various forms of library research approaches, which involve various data collection methods and literature studies aimed at various research objects. So, based on the findings and discussions carried out in this research, it can be concluded that a comprehensive approach can be used to involve various uses of artificial intelligence (AI) which have quite large potential and can improve the ability to write effectively by combining various theoretical understandings, direct field practice, and using quite sophisticated technology. The approach taken is also able to create a supportive and motivating learning environment.

Keywords: artificial intelligence, comprehensive approach, writing skills

1. Introduction

In the current digital age, various technological developments change how we interact with information. Therefore, writing skills are very important, this is because the need tends to increase, especially for online content that can be interesting and informative in line with the development of social media such as blogs and other platforms. However, as many people still experience difficulties in developing their ability to write effectively. Even though many of them have strong ideas and their insight and knowledge are quite in-depth, they also have to face various challenges in conveying messages clearly and convincingly through writing.

In situations like this, a comprehensive approach is an effective solution for improving their writing skills. This approach certainly involves the use of various holistic learning strategies and includes various forms of quite in-depth understanding regarding the structure, effective word choice and their ability to consistently attract the attention of the audience and speakers. A comprehensive approach is a form of approach that is carried out holistically and aims to achieve learning objectives. The approach taken includes orientation, in-depth exploration, and conclusions reached (Nucci & Narváez, 2014). Individuals who use this approach can develop the skills they need to create strong and interesting text, both creative and informative.

This research was conducted using a case study which was used to investigate the application of a comprehensive approach, capable of improving various abilities used to write effectively, by utilizing artificial intelligence (AI) which was used as a tool. Of course, by involving AI in the learning process in writing also has the potential to provide instant feedback, in-depth analysis, and resources that must be adjusted individually. All of them can contribute to the process of improving the quality of writing.

Artificial intelligence (AI) has a very important role to fulfil various needs in terms of data analysis and decision making. This is certainly a highlight in itself and its presence brings about quite a significant transformation in the organization or industry that carries out its operations. AI is not a tool that is used to increase efficiency alone, but can be used as a strategic element that can change paradigms in dealing with various market changes and business dynamics that are taking place rapidly (Murtado et al., 2023). The presence of AI is one of the advances that is quite important to speed up and increase efficiency in data analysis so that this can provide various significant positive impacts in various sectors such as the industrial sector, health and financial sectors. This situation can certainly open up new opportunities to present quite complex challenges in line with major changes and human interaction with technology (Mardikawati et al., 2023).

This is of course in line with research conducted by Zhai (2022) who wrote an article entitled "Artificial Intelligence for Education". This research can conclude that the articles produced by ChatGPT can show a fairly high level of cohesion, relevance, accuracy and systematicity when compared to interactions carried out by humans, this chatbot has also proven to be more effective in providing various necessary information and is able to interact with its users effectively wide.

This research is also supported by previous research which highlights the influence of technology on education and the development of language skills. A study conducted by Firdhausi (2023) shows that the use of AI in an educational context can improve student learning outcomes. Research by Shalikhah (2017) found that interactive learning technology can support the development of language skills.

Based on previous research and the explanation above, researchers will conduct research on a comprehensive approach to improving writing skills: a review to AI. This research was conducted to find out the role of a comprehensive approach to improving writing skills with AI's review. It is hoped that this research can provide valuable insight for readers who are interested in developing writing skills with a comprehensive and innovative approach.

2. Method

This research uses a qualitative descriptive research type, which provides an overview of a comprehensive approach to improving writing skills. The type of research used is library research namely collecting data or scientific writing aimed at research objects or collecting data of a library nature. A

study carried out to solve a problem which is basically focused on a critical and in-depth study of relevant library materials. The primary data source used is books/articles related to writing skills. The secondary data sources in this research are books about writing skills or those that are relevant to the research.

In this research, the data collection technique used is library research. Literature study is a data collection technique used in research by collecting data and research sources through books, journals, magazines, newspapers and others. Literature study is used by collecting existing data, then understanding each conclusion and taking the data sources to use as literature and references in understanding and analyzing research.

In this case the researcher applies the data analysis technique of the Miles and Huberman model (2014) which consists of three stages, namely: 1). Data reduction, 2). Presentation of data, and 3). Verification or drawing conclusions. Data reduction itself is interpreted as a process that aims to centralize, select, simplify data that has been obtained by researchers in the field, in other words, this process aims to eliminate various data that is considered irrelevant or unimportant. Then the data is presented briefly, in the form of a chart, brief description or essence of the results obtained, with the aim of making it easier to understand and speeding up the data processing process. Meanwhile, verification is the final stage, namely drawing conclusions from various kinds of data obtained so that it becomes a complete configuration.

3. Finding and Discussion

3.1 A Comprehensive Approach to Improving Writing Skills

A comprehensive approach can help improve a person's ability to write effectively. This is a method that is holistic and structured and aims to develop the skills possessed by individuals in composing stories in a strong and convincing manner. The approach taken also involves an in-depth understanding of various key elements in the process of creating an effective writing such as narrative, including those in story structure, character development, and the appropriate language used. Apart from that, this approach can also consider various factors such as authenticity factors, attractiveness factors, and factors used in the communicative goals to be achieved through written work. (Kim., et al, 2018).

There is one thing that is a key element in the process of a comprehensive approach, including practice that is carried out continuously and feedback that has been based on previously (Garcia et al., 2021), therefore to provide opportunities for each individual to always practice and design and write effectively and can receive constructive feedback from fellow writers or mentors. This can be done in stages with the aim of improving each writer's writing skills. This process is carried out by enabling them to gain a deeper understanding, especially regarding the strengths and weaknesses they have in writing effectively, while identifying various areas that need improvement.

A comprehensive approach must also be able to understand contextually and analyze in depth related to various types of writing, this includes various understandings that arise regarding the needs and preferences of the target audience. Aside from that, it's critical to keep up with the most recent developments in writing trends and techniques. According to Smith et al. (2019), as a result, by employing a variety of approach styles that may be applied to suit diverse scenarios and communication objectives, an individual can enhance their abilities and become more adept at adjusting to the writing process.

Technology based on artificial intelligence is one of the key elements that can be utilized through a comprehensive approach. Browns and colleagues (2017) help accurately identify various areas that need to be improved and provide various resources that are quite relevant with the aim of helping improve a writer's writing skills.

When compared as a whole, a comprehensive approach can be used to improve various skills in the writing process and can provide a more structured and stronger framework. This aims to create individuals who have the capacity to tell various interesting stories, apart from that, through various exercises carried out continuously, there is an emphasis that occurs in various aspects, in this case writing skills, so that this becomes a separate consideration for the audience in utilizing the various technologies currently available, so that people can become more skilled and successful professional writers in the ever-growing digital era.

The comprehensive approach can be applied in various situations and conditions, from the context of formal education to the development of professional level training in the work environment. It is this adaptability and flexibility that allows various strategies to be adapted to various needs and better goals taken by groups or individuals. This results in this approach providing a very solid foundation with the aim of improving diverse writing skills in various learning processes.

3.2 Artificial Intelligence

In the field of computer science, artificial intelligence or often referred to as AI has the aim of developing various computer systems so that they can carry out various functions that require intelligence originating from humans. In this case, AI includes various methods and strategies used, such as computer vision, robotics principles, machine learning, and natural language processing. The various abilities produced by AI are obtained from data and experience, so it is very likely that AI can make judgments and be able to complete various tasks without explicit instructions, which is one of the key elements in this field.

To date, the use of artificial intelligence (AI) has resulted in significant changes in several industries, including transportation, manufacturing, health, and even the financial sector. In the health sector, AI can store medical records on patients so that patients can identify various disorders they are experiencing. This sector can produce anticipated diagnoses and therapies produced by AI (Smith et al., 2020). Meanwhile in other fields, in this case the transportation sector, artificial intelligence can be applied to develop a vehicle that moves automatically, this vehicle can operate itself by uses various sensors in the car and processes various data in the car in real-time (Chen et al., 2018). Artificial intelligence also often has various applications in the financial industry, including analyzing data in a market, optimizing portfolios used in investments, and detecting various forms of fraud.

The application of artificial intelligence (AI) can significantly enhance a person's ability to write effectively. One way to do this is by using different natural language processing algorithms, which can identify different sentence patterns, grammar rules, and persuasive writing styles. (Smith and others, 2020). Therefore, AI can also provide specific guidance so that it can provide recommendations related to character development, characterization, and even the development of a theme in a story. Through various data analyzed from previously available, AI can also provide some intelligent suggestions about developing stories that are created creatively and follow a strong narrative structure (Chen et al., 2008).

This certainly helps writers to overcome problems. The obstacles are related to creativity and creating more interesting and diverse stories.

AI technology can also provide various automatic tool facilities that can be used in various writing processes, such as automatic content creation and language editing (Gupta et al., 2022). Although this cannot completely replace the role of a writer, this system can help speed up the writing process and can improve the quality of writing by providing various suggestions and improvements that are made instantly. That way, writers can focus their attention on various other creative aspects as well as the most important aspects in writing which can technically be carried out by AI.

The use of AI which can improve various abilities in writing effectively can not only benefit professional writers, but also various students and educators at various levels of education. Through the application of AI in the field of education, students can provide faster and more accurate feedback regarding their progress in writing effectively, so that this can increase their motivation to stay involved in various learning processes and speed them up to develop their overall writing skills. Therefore, AI has enormous potential that can be used to support the development of writing skills in innovative and effective manner. However, there is an important thing to remember, although AI can be a valuable tool, the role of humans in various creative and interpretive processes cannot be completely replaced. Artificial intelligence and creativity within humans can provide the most powerful results and more meaningful results in the world of writing itself.

3.3 Advantages and Disadvantages of Using AI

The advances in AI systems have brought various impacts on humans, such as data security and information systems, the large number of unemployed due to work being carried out automatically, and various concerns about artificial intelligence that can surpass human capabilities (Wibowo et al., 2019). Therefore, adequate and ethical regulations are needed in the development process and application of various AI technologies. Even so, the various potentials that AI has can positively increase efficiency, productivity and various innovations obtained by industry so that this field becomes one of the most interesting fields to study and develop in the future.

The use of AI in script writing has various positive and negative impacts which are described as follows:

3.3.1 Advantages of using AI in script writing (Rahardjo., et al, 2021):

1. Efficiency

AI itself has the capacity that can be used to increase the level of efficiency in manuscript writing and can speed up the research process, idea creation and editing that can be done. AI's own algorithm can produce content quickly, automatically, and of course can save costs for writers.

2. Instant feedback

AI devices can also provide direct feedback regarding the quality of writing, grammar and writing style. This can enable the writer to make appropriate and specific improvements, thereby improving the overall quality of the manuscript.

3. Creativity and inspiration

In terms of his own creativity and inspiration, Ai can also function as a source of new ideas or provide various suggestions regarding the plot and development of a character, this can make it possible to overcome various creative blocks and can open up opportunities to explore his creativity more widely.

4. Consistency and uniformity

To maintain consistency and uniformity, writers can use AI to ensure cohesion in writing style, characterization in a plot, and AI algorithms which can help maintain harmony in a long manuscript or a series of stories.

3.3.2 Disadvantages of using AI in script writing (Setiawan, et al, 2020):

1. Limitations of human creativity

Even though AI can provide various suggestions or assistance in carrying out the writing process, artificial intelligence still has several limitations in various aspects, especially aspects of creativity and emotional understanding that can only be found in humans. This condition can cause the script to feel less natural or have some lack of emotional meaning.

2. Dependency

The use of AI in the manuscript preparation process can also trigger excessive dependence in terms of technology, therefore writers may also experience a decline in skills in developing their own ideas or carrying out critical analysis regarding content that has been previously produced by AI.

3. Inaccuracies and errors

Algorithms produced by AI are not always perfect and may produce some errors or the resulting content is inaccurate. Therefore, things like this also require human supervision to continue to produce quality manuscripts.

4. Security and privacy

The comprehensive use of AI in terms of copywriting can also raise concerns in terms of a person's security and privacy. Algorithms produced by AI that are indirectly connected to various sensitive data or confidential information can potentially become a detrimental attack and violate privacy.

However, by understanding the various advantages and disadvantages of using AI in the script writing process, writers can optimize it as a tool in developing their creativity.

4. Conclusion

Based on the findings and discussions generated in this research, it can be concluded that a comprehensive approach process that integrates the use of artificial intelligence (AI) can have the potential to improve various skills in writing. Therefore, by combining various theoretical understandings, direct practice and using sophisticated technology, the approach taken by Nucci & Narváez (2014) creates a learning environment that can support and motivate individuals. Several benefits are obtained from this approach, including benefits that include efficiency in the writing process, good feedback produced, and various consistencies used in writing style. However, there are various challenges that can give rise to dependence on technology, limits that must be imposed on human creativity, and various data security issues are also a particular concern.

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