



Cyber Literature and ChatGPT in the Global of IoT Connectivity

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ABSTRACT

This review article is a study of the intersectionality between literary media, cyber technology and the use of ChatGPT in the development of literary studies. One of the focuses of this discussion is cyber literature, which is now increasingly popular and loved by literature readers. As a cultural product, literary works must be able to adapt to technological advances. The aims of this study are 1) to outline the position of cyber literature amidst the development of cyber technology, and 2) to map the challenges of adapting literary developments to the presence of various cyber technological advances. This study uses a descriptive qualitative approach with descriptions that rely on cultural perspectives and human adaptation. The results of this study show that the development of literary studies must adapt itself to technological developments that are developing so rapidly. Lagging behind in pursuing supporting tools for literary studies can lead to lags in strengthening literary studies and cultural studies as a whole. Every technological advance will have a wider impact, and the birth of ChatGPT should have a positive impact on literary studies, not the opposite. The implication of this thought is the emergence of awareness to utilize any technological media including the existence of Cyber Literature and ChatGPT in the trend of IoT Connectivity globally

Keywords: *Cyber Literature, Literary Work, ChatGPT, trend technology, IoT Connectivity*

1. INTRODUCTION

This article will discuss three important things related to online literary media [1] along with all its opportunities and challenges, namely Cyber Literature, ChatGPT, and IoT (internet of things) which are currently trending and globalizing amidst the rapid progress of information technology. The pace of technological development is unstoppable and has brought major changes to almost all sectors of life. This change brings a change in world view in society at large.

I tried to answer the challenge offered by the Conference Committee which offered the topic "dynamics and problems in research and teaching of language, literature, and culture [2] in the era of industrial revolution 5.0". One of the characteristics of industrial revolution 5.0 is a concept that focuses on the combination of technology and humans, as well as the need to develop systems that are more adaptive and responsive to changes in the production environment. The Industrial Revolution 5.0 focuses more on the integration of advanced technology such as AI, IoT, and robotic technology with human expertise and innovation

that can encourage the development of production systems that are more efficient, flexible, sustainable, and improve welfare. It could be said that the Industrial Revolution 5.0 is a continuation of the Industrial Revolution 4.0 which was marked by the rapid development of the IT world. The key is in several words such as automation, big data analysis, robot technology, AI (artificial intelligence), to IoT (internet of things). Meanwhile, it seems that many are still adapting to this idea where the Industrial Revolution 5.0 has begun to enter all sectors of life.

For the field of literature, this topic will bring a discussion to the cyber literature as an alternative medium for literary development. Cyber literature became known in the mid-1990s [3] when people tried to take advantage of the opportunities offered by the internet to spread their works. Since then, the dissemination of literary works has become increasingly easier, and in the end cyber works have become a genre of their own and published literary works without ever having a printed form. This development continues until humans arrive at the discovery of AI (artificial intelligence), Chat GPT, IoT (internet of things).

2. CYBER LITERATURE

Cyber literature is an opportunity, as well as a challenge for the development of printed literature. Cyber literature was born from technological advances which were then used as a medium for disseminating literary works. Then what is the position of cyber literature amidst other media, for example printed literature? Look at the diagram below

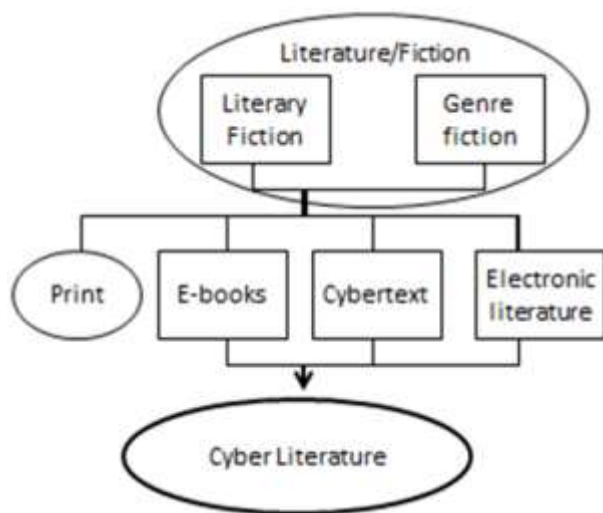


Fig. 1. Cyber Literature

In principle, literary media is only divided into two, printed literature and oral literature. In its development, printed literature has found new media in the form of electronic literature which is side by side with e-books, cybertext and electronic literature itself. These three aspects are collaborative in giving birth to cyber literature, namely a form of literary media that is now widely loved.

In some ways electronic literature poses a threat to printed literature from the author's perspective. Only creative authors can earn online sales royalties for their work, although for a genuine author, that is not the goal. The dissemination of electronic literary works is fast and effective to all areas where the internet is available, easy and cheap, sometimes even free. At the same time, reviews of the work can be read immediately after the work has been read.

Another threat comes along with the presence of technological equipment that is practical, accessible and handy, call it an Android Technology which is able to put the world in your hands. You do not need a place to prepare literary readings that can be taken anywhere. You can easily move from one reading to another. With this convenience, people are starting to move from printed reading to online reading [4], and that is the threat.

Literary works are known as one of the cultural products that have passed through every era of human development, from the oral era (when stories and myths were transmitted by word of mouth), the written era, the

print tradition, and currently in the information era based on digital technology [5]. The rapid advances in technology have influenced the development of literature to adapt to changes in society which is moving in a more modern direction. The emergence of cyber literature (some also call it cyber literature) in the 1990s was able to bring a breath of fresh air because it allowed information to be opened widely and freely. As a publication medium and creative means for literary activists, the presence of cyber literature cannot be denied. In reality, the existence of cyber literature is inseparable from the reflection and reflection of social dynamics and innovation that occurs in society.

The cyber literary phenomenon in Indonesia seems to require greater attention because it is believed to be able to contribute to literary development. Not only that, the existence of cyber literature itself is believed to be a reflection of the reality of current societal dynamics. Society, which is always moving in a more modern direction, has contributed to the emergence of cyber literature by following the rapid development of existing computer and internet technology.

3. CHATGPT AND LITERARY DISCUSSION

The Internet of Things (IoT) has created a new paradigm where a network of machines and related devices are able to create a means of communication and collaboration with each other which marks a new innovation in life, including the world of literature known as cyber literature [6].

The rapid increase in the growth of cyber literature is largely determined by advances in internet technology which are occurring so rapidly that they are even accelerating as if unexpected. The phenomenal growth of IoT devices in various fields such as smart grids, environmental monitoring, patient monitoring systems, smart manufacturing and logistics is able to answer human needs at a macro level.

The benefits of ChatGPT are now extending to Literary Discussion, and especially in literary studies. It may be accelerating the outcomes [7]. The use of ChatGPT in teaching, for example, even now has pros and cons. Those who are pro believe that this should be used to improve the quality of discussions [8], but those who are against think that this tool should not be used because it can have the effect of causing laziness for students to read authentic sources. The extreme ones deny that ChatGPT has a bad impact on honing students' creativity, because they only expect ChatGPT answers without any other effort.

The framework of cyber literature and ChatGPT in the global trend of IoT connectivity might be seen in the following figure

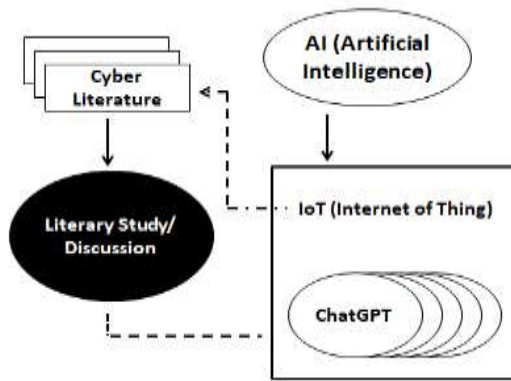


Fig. 2. The framework of cyber literature and ChatGPT

This figure shows the presence of Cyber Literature (using internet technology base) as a literary genre, followed by the birth of ChatGPT technology which can be used to facilitate literary studies; collecting information from internet sources which are currently very limited), and its use is increasingly popular. The ChatGPT itself is an artificial intelligence product.

4. OBJECTIVES OF STUDY

Based on the phenomenon of the existence of Cyber Literature accompanied by the presence of ChatGPT amidst the prospect of IoT (internet of things) technology, the aim of this study is formulated as follows; 1) outlining the position of cyber literature amidst the development of cyber technology, and 2) mapping the challenges of adapting literary developments to the presence of various advances in cyber technology.

The two goals mentioned above can be achieved through strategies in the form of a) explaining the history of cyber literature as an alternative for the birth of new genres in literature, and b) inventorying as carefully as possible the answers to literary developments in line with the presence of various advances in cyber technology.

5. DISCUSSION

The development of artificial intelligence technology or what is known as AI [9] continues to move rapidly, one of which is currently being discussed is AI technology called ChatGPT (Generative Pretrained Transformer). It is like human but merely tool.

With its intelligence, ChatGPT can make people's work related to text easier, for example paraphrasing, copywriting, writing literary works and other scientific works such as theses and dissertations. According to a survey by financial company UBS quoted by Reuters, ChatGPT users have now reached more than 100 million in just two months since it was launched in November 2022. Of course there will be a surge in users in 2023.

Then, the presence of cyber literature through online media [10] which preceded the presence of ChatCPT is certainly strong evidence that this development is not being hindered. There is no choice but for everyone to

follow this development. Literary and cultural discussions, for example, may become busier because everyone can contribute and ask questions even though the information is obtained via ChatGPT. It is certain that something sourced from ChatGPT is not original in nature. ChatGPT cannot parse complicated things unless they have been explained by other people and recorded in the available system.

The use of ChatGPT, especially in literary studies, does not need to cause excessive concern. It must be realized that the existence of ChatGPT was born and created from various advances that were extraordinary and never thought of before. Although you also need to realize that not all the information or answers provided by ChatGPT are correct. ChatGPT is only able to produce something based on the input that has been supplied. Therefore, it is important to continue to verify and validate information to get something more accurate. It has limitations but works very reflectively based on various sources in virtual proxies. But everything is not born from her/his own mind but from a collection of information that has been collected, which is not necessarily true and accurate.

6. CONCLUDING REMARKS

Nothing is static, this is the case with the development of literature and literary media. The development of literary studies cannot hinder the presence of technology, and vice versa. For the presence of cyber literature in the midst of an increasingly complex human civilization, it may be something that is natural in nature. ChatGPT which is based on artificial intelligence was created by humans. Humans must control it, not the other way around.

Next, two important points as a concluding note for this discussion; 1) ChatGPT can make people's work easier related to text, whatever it is. It was born and created from various extraordinary advances that were perhaps never thought of before. The presence of ChatCPT is certainly strong evidence that this development is not being hindered. Likewise, with the use of ChatGPT, especially in literary studies, there is no need to cause excessive concern, and 2) You can be sure that the information sourced from ChatGPT is not original. ChatGPT cannot parse complicated things unless they have been explained by other people and recorded in the available system. Therefore, it is important to continue to verify and validate information to get something more accurate. It has limitations but works very reflectively based on various sources in virtual proxies.

In turn, of course this will be a challenge for the progress of cyber literature in the shadow of the presence of ChatGPT in the Global trend of IoT Connectivity. In the current digital era, technology continues to develop rapidly and the ability to master technology becomes increasingly crucial. Therefore, we need to adapt to the latest technological developments and pursue and seek

access to the resources needed to master or at least recognize these media.

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