ABSTRACT

Background. The presence of ChatGPT which is used continuously will make students lose their motivation to study. If students continue to use ChatGPT, this will become a problem for the students themselves. For not doing the job according to his ability. So students will not get value with what they get.

Purpose. This is done to find out the threat to the world of education: research on the use of ChatGPT.

Method. Using quantitative methods, data obtained through interviews and distributing questionnaires online using the Google form.

Results. This explains that the danger of continuous use of ChatGPT will be a bad influence on students. Where the enthusiasm for student learning decreases, when they get assignments from their lecturers. These students will look for answers in ChatGPT and they will not use existing sources such as books, articles and journals.

Conclusion. This research is only conducted at a university in an Arab country.

KEYWORDS
Chatgpt, Education, Research

INTRODUCTION

Technological developments provide many benefits and facilitate people's work and daily activities (Saberi et al., 2019). Technological progress produces modernity which is characterized by economic growth, social mobility, expansion or cultural expansion (Neubauer et al., 2018). So that now technology is a concept related to the type of use and knowledge of tools and skills (Dwivedi et al., 2021).

Technology is also one of the advancements in the era of globalization that helps the development of knowledge and skills in teaching and learning (Rodriques et al., 2019). Such as online-based learning media is evidence that technology helps the learning process (Voorveld et al., 2018). Technological developments are increasingly advanced, giving rise to various types of learning media as a teaching and learning process. Increasingly advanced technological developments require students to do new things in learning (Patricia Aguilera-Hermida, 2020). So as to bring up a new spirit to achieve learning goals.
Currently the development of technology into facilities and infrastructure in assisting the learning process (Wang et al., 2019). Technology uses science to solve problems, and science uses technology to make new discoveries (Joo et al., 2018). Technological advances in science have a positive impact on the world of education (Burley et al., 2019). So that creative ideas emerge to make interesting learning media. This will encourage students to be active and have a creative mindset (Theobald et al., 2020). Online-based educational media is a form of technological development that plays an active role in the world of education (Abbas et al., 2019). So that it can support the learning process actively and effectively. Technology is able to make learning more interesting if it is used properly and provides very important information in the world of education (Widyartha et al., 2020). So that it makes it easier for students to find assignments and can understand learning material easily.

Learning media is used with the aim of being able to improve the quality of education, both in communication to convey learning material or physically (Wu et al., 2018). This is done to stimulate learning patterns so that they can support the success of the teaching and learning process, so that teaching and learning activities can be effective in achieving the desired goals. (Théry et al., 2018). As well as generate interest, motivation, creativity, and increase student activity (Ryan & Deci, 2020). One of them is that students use ChatGPT to search for their assignments. Because ChatGPT is able to provide information such as playing audio or video, transferring data, talking, and even having discussions like what humans do. (Hoyer et al., 2020). Therefore ChatGPT has its own uniqueness in conveying or answering a question, where one can easily understand and learn the material he is looking for. (Ashfaq et al., 2020). (Keller et al., 2018)This is one of the uniqueness of using ChatGPT, where ChatGPT always uses a language that is understood.

If ChatGPT is continuously used by students, this will have a negative impact on the students themselves. Because they do not use the ability of himself (Low et al., 2019). This will have a negative impact and loss of student motivation to study and use their abilities. So that students get grades that are not in accordance with what they get (Khan et al., 2019). ChatGPT is very threatening to students' critical thinking skills in solving a problem (Hwangbo et al., 2019). Because, the tasks given are easily done by machines (Zhao et al., 2019). This case will have a negative impact on students and teachers during the learning process. So students are required to be more careful in using technology, so that students can distinguish between what to learn and what not to learn (Mouni et al., 2018). In this case the role of the teacher or lecturer is very important in the learning process in order to deliver interesting and creative learning material. As well as easy for students to understand the material presented.

ChatGPT can be used as a tool to communicate with pre-programmed text messages, so users can ask for advice, information, or just talk to relieve boredom (Androutsopoulou et al., 2019). ChatGPT can also be used in chatbot applications, or even virtual assistants to assist users in various aspects of their life. (Korhonen et al., 2018). Although ChatGPT has great potential to replace human interaction in some situations, its weakness still lies in its limitations in understanding context and sensitivity to human emotional factors. (Roozenbeek et al., 2020) (Lazer et al., 2018). Sometimes information from ChatGPT is still vulnerable to information security because it can be manipulated by technological fraud or fake information that changes the wrong language (Pennycook & Rand, 2019). This needs to be watched out for by students so that they do not convey wrong information during the learning process and can manage information properly and correctly.

ChatGPT uses a sophisticated language model to understand and respond to conversations with usage (Szklarczyk et al., 2019). And based on the well-known language model as GPT (Generative Pre-trained Transformer) (Chattaraman et al., 2019). One of the best features of ChatGPT is that users can choose the language and topic they are looking for (Go & Sundar, 2019). ChatGPT is able to provide explanations quickly and easily understood, and can be used by anyone anywhere (Lewis et al., 2019). And produce learning media that can answer all student questions (Duke et al., 2021). This can help students learn in a more interesting way and motivate them to continue learning (Ciechanowski et al., 2019). It is also an effective tool in improving communication skills or interpersonal skills, especially in the context of exchanging messages or group discussions (Sanders...
et al., 2018). So that it can reduce students' awkwardness in the learning process, and make students more flexible in expressing their opinions.

Kate Crawford states that a student must be careful because using ChatGPT will pose a dangerous risk (Araujo, 2018). Like the tendency of chatbots to imitate human language and behavior so as to get false information or offensive responses (Fryer et al., 2019). And according to other researchers who also conducted the same research, conducted by Michael Osborne stated that the use of ChatGPT had a big impact on humans. Renze Yu also argues that the prohibition on using ChatGPT in the short term is to know the value of the risk, the value of the tool, and not a solution for the long term. According to Harkristuti Harkrisnowo argues that ChatGPT is a new phenomenon that is troubling the world of education. Because it is considered to pose a threat in the form of the character of students and students as dishonest academics. This needs to be considered in order to achieve the development of students or students in the world of education. Because the use of technology does not always have to be used continuously in the learning process, so that students can give opinions or objections in discussions using their mindset or logically. Although the three researchers discussed the effect of using ChatGPT on learning, the results of each study were different.

The reason for conducting this research is to re-examine the Threats of the World of Education on the use of ChatGPT. It is hoped that students will not abuse technology in the learning process. Because technology can make an individual spend less time socializing with other people physically. So as to give rise to good quality and characteristics in order to achieve effective learning objectives and efficient. Technological advances in learning media can help students more creative, and have critical thinking in the learning process. So as to bring up interesting ideas in the learning process, and encourage students' enthusiasm to know more about science. The use of ChatGPT which is often used by students can have a negative impact. Therefore students are required to be able to use technology properly and correctly, so that misuse of technology does not occur. So that students can get good learning outcomes in accordance with what they have obtained so far.

**RESEARCH METHODOLOGY**

Quantitative research, namely using data and statistics to identify and measure the relationship between variables in a population. Quantitative research is often used in the social, scientific and health sciences (Korstjens & Moser, 2018). The results can be used to increase understanding of the phenomena observed from the data to be analyzed to a larger population (Levine et al., 2018). Formulate research questions and hypotheses Formulate questions, researchers and hypotheses to be tested using quantitative data (Gasnikov & Kovalev, 2018). Selecting a representative research sample from the population studied. Quantitative research often uses statistical analysis techniques to answer research questions. Variables are measured quantitatively and then using statistical methods such as t test, ANOVA test, logistic regression, path analysis or multilevel (Zech et al., 2018). Interpret the results of the analysis interpret the results of the analysis systematically and logically (James et al., 2018). So that it can include the validity of the data as a whole from the results of the research being carried out.
Figure 1. Population and Sample

The place and time of data collection is through the distribution of questionnaires at one of the universities in Arab countries and other schools. The object of this research is the threat to the world of research education on the use of ChatGPT (Murphy, 2020). This method uses a quantitative method, data collection is carried out in the form of distributing questionnaires to students or students via WhatsApp messages (Philippi & Lauderdale, 2018). In this case the researcher must pay attention to the weaknesses and strengths of the data from the observations. Researchers can carry out observations to find out their knowledge and record the results of observations. Observations must be based on the objectives and characteristics of the research subjects. So the purpose of the problem is to get the necessary secondary data and record the results of the observations. And can collect valid data from research conducted.

After collecting data from observations, researchers need to re-analyze their research, in order to find out errors in the data that has been input. Distributing questionnaires via whatsapp messages to students and students (Ortiz et al., 2018). This study uses the elements of explaining the phenomena that occur, collecting quantitative data in the form of data, and using mathematical based methods. (Kim et al., 2021). Researchers have a point of view about the reality of the world can determine objectives so that it becomes a guide in the data collection process (Greczynski & Hultman, 2020). This research uses quantitative methods, which are research methods that use data, statistics and identify and measure the relationship between variables in a population. (Hao et al., 2021). The quantitative research model uses theory development, obtains security, describes reality and is complex (Perez-Riverol et al., 2019). In this research, the researcher used a quantitative bar graph research model. So the researcher hopes that future researchers can conduct this research using other methods, which can make it easier for students to use them.

RESULT AND DISCUSSION

Progress in the era of globalization can affect technological advances, one of which is in learning media. The rapid development of technology makes technology users more active and passive in using technology. ChatGPT as a learning medium that uses quantitative methods, quantitative is as an investigation of measured data collection and computational or numerical statistical techniques. The process of collecting data is through distributing questionnaires and also the results of observations. Technological developments can trigger student enthusiasm to be more creative and effective in learning. Even more interesting, the development of this technology also
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gave birth to a chatbot or GPT (Generative Pre-trained Transformer). ChatGPT is a tool that can carry out conversations and provide replies to users. ChatGPT communication is similar to human communication and not like conversations with robots. ChatGPT has great potential to replace interactions between students, this will affect social interaction between students. Because ChatGPT is able to provide information such as playing audio or video, transferring data, talking, and even having discussions like what humans do. The continuous use of chatGPT can have a negative impact on students. and even have discussions like humans do. The continuous use of chatGPT can have a negative impact on students. and even have discussions like humans do. The continuous use of chatGPT can have a negative impact on students.

Table 1. Questionnaire response

<table>
<thead>
<tr>
<th>No</th>
<th>Statement</th>
<th>Data Validity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>ChatGPT can affect the quality of the learning process</td>
<td>0 – 66</td>
</tr>
<tr>
<td>2.</td>
<td>ChatGPT can replace a teacher in the learning process</td>
<td>0 – 44</td>
</tr>
<tr>
<td>3.</td>
<td>ChatGPT has an effect on students’ cognitive abilities</td>
<td>0 – 66</td>
</tr>
<tr>
<td>4.</td>
<td>Security and privacy in using ChatGPT can be guaranteed</td>
<td>0 – 40</td>
</tr>
<tr>
<td>5.</td>
<td>The use of ChatGPT can affect the development of students' language and grammar skills</td>
<td>0 – 66</td>
</tr>
<tr>
<td>6.</td>
<td>Abuse of ChatGPT can trigger cheating in carrying out assignments</td>
<td>0 – 88</td>
</tr>
<tr>
<td>7.</td>
<td>ChatGPT can help solve difficult or complex learning problems</td>
<td>0 – 38</td>
</tr>
<tr>
<td>8.</td>
<td>ChatGPT can have a negative impact on students</td>
<td>0 – 44</td>
</tr>
<tr>
<td>9.</td>
<td>Technological developments can affect learning media</td>
<td>0 – 77</td>
</tr>
<tr>
<td>10.</td>
<td>The development of increasingly advanced technology has a negative impact on students</td>
<td>0 – 61</td>
</tr>
<tr>
<td>11.</td>
<td>ChatGPT can trigger the mindset and motivation of student learning to decrease</td>
<td>0 – 44</td>
</tr>
<tr>
<td>12.</td>
<td>ChatGPT information can be trusted</td>
<td>0 – 27</td>
</tr>
<tr>
<td>13.</td>
<td>ChatGPT affects interactions between students</td>
<td>0 – 50</td>
</tr>
<tr>
<td>14.</td>
<td>Risks or concerns of using ChatGPT in learning</td>
<td>0 – 61</td>
</tr>
<tr>
<td>15.</td>
<td>Technology can help the learning process run well</td>
<td>0 – 72</td>
</tr>
<tr>
<td>16.</td>
<td>ChatGPT is able to provide precise and accurate information</td>
<td>0 – 61</td>
</tr>
<tr>
<td>17.</td>
<td>The use of technology can affect the overall learning outcomes and achievements</td>
<td>0 – 52</td>
</tr>
<tr>
<td>18.</td>
<td>Technological innovation in education can improve the quality of learning</td>
<td>0 – 77</td>
</tr>
<tr>
<td>19.</td>
<td>Technological developments can affect the learning system</td>
<td>0 – 77</td>
</tr>
</tbody>
</table>

In the table above there are statements from several questions in ChatGPT that were studied by researchers at one of the universities in Arab countries. The statements generated from several questions in ChatGPT are very helpful for researchers in research on the use of ChatGPT. There were 19 questions tested in the study which contained ChatGPT statements about the threat to education: research on the use of ChatGPT. Statements that contain ChatGPT can affect the quality of the learning process with a percentage of 66% in the yes category. Statements containing ChatGPT have an effect on student cognitive gain a percentage of 66% in the yes category.

Statements on ChatGPT abuse can trigger fraud in carrying out tasks obtaining a percentage of 88% in the yes category. Statements that contain technological developments can influence learning media to get a percentage of 77% in the yes category. ChatGPT's statement stating that increasingly advanced technological developments have a negative impact on students gains a
percentage of 61% in the yes category. The table above shows that the ChatGPT application can be a threat to the world of education so that it gets the highest category yes with a percentage of 88% and the lowest percentage yes gets the category of yes with 22%. Research using ChatGPT can be a threat to students in the world of education.

In the picture above there is a graph from ChatGPT. The data from the results of testing questions on ChatGPT are as follows: there are several students who are the object of this research. In this research process, 19 questions were used to test students' ability to answer questions on ChatGPT. The highest research results of students get a percentage of 88%, based on the research results, the category is yes. The results of the second highest research percentage obtained a percentage of 77% in the yes category. In the results of the third study, a percentage of 66% was obtained in the yes category. The lowest ChatGPT research results were obtained by the category not with a percentage of 8%. The second lowest ChatGPT result was obtained by the non-category with a percentage of 11%.

Data from the ChatGPT application research test results for students can be explained as follows: In the yes category there is the highest percentage gain of 88%, the yes category is the highest percentage gain of the existing gains. While the lowest percentage in the yes category is 22%. The second acquisition is in the possible category with a percentage gain of 50%, while the lowest acquisition in this possible category is 11%. The next category is the category that does not get the highest percentage of 61%, while the lowest percentage is 8%. Based on the overall results of the study, students who answered yes to questions on ChatGPT received the highest percentage of 88%. Meanwhile, students who did not like questions on ChatGPT obtained a percentage of 61%.
In the picture is a form of using ChatGPT and relates to questions about the threat to the world of education in using ChatGPT. From the answer to this question, it can be concluded that ChatGPT is easy, ChatGPT does not take long to answer each question, to answer various forms of questions from students or students. Because ChatGPT has interesting topics and discussions, so that it makes students understand quickly and easily understand it. This is worrying about the development of students or students because it can affect social interaction in the learning process. Therefore, the use of ChatGPT needs to be balanced with a learning approach to social interaction between students. This makes teachers or instructors required to be even more creative in delivering learning media, so that students can understand in detail and simply what is related to the learning being carried out. ChatGPT capabilities can inform students by providing tools to help them prepare for their own exams. In addition, ChatGPT can assist students in completing tasks such as writing essays and even academic papers such as theses or theses.

The characteristics of this learning media are the material on the use of ChatGPT which is presented clearly. The goal is to find out the good and bad impacts of technological advances on learning media. ChatGPT can respond in a short time, allowing users to communicate quickly and efficiently. This is evidenced by students looking more for their assignments through technology such as searching for it on the internet and one of them is using ChatGPT. The use of ChatGPT has its own charm for students or students, because ChatGPT is able to use various types of data collected from various sources, helping users find the right answers. It is very likely that the use of ChatGPT can affect learning outcomes. If students continue to use ChatGPT it will become a problem for the lecturers and students themselves. This means that students do not carry out assignments according to their own abilities and get grades that are not in accordance with their achievements. In this case students must use technology properly and correctly so that students can get maximum achievement and learning outcomes.

The results of this study are the threat to the world of education: research on the use of ChatGPT. ChatGPT has an influence on the development of student learning and has a positive and negative impact on the learning process for students or students. This is based on increasingly advanced technological developments, which make changes in the learning system from time to time. So that it has an impact on students or students. The positive impact is that it makes it easier for students to find their assignments and the results of detailed answers can make it easier for students.
to understand the material they are looking for. As well as emerging interest and encouragement in learning a science. If this is allowed to continue, this will affect the development of student learning. The negative impact is that students become lazy and have less motivation to study because students more often use ChatGPT to find their assignments, and do not use their mindset and use reliable sources, one of which is in the form of books. So it needs to be balanced by using interesting and creative learning media.

The research studied the method on the use of ChatGPT in the learning process. The method used in this study is a quantitative method using symbols or numbers in this study. Quantitative methods are comparisons on a numerical scale, information that can be counted and measured. This research method is to collect data through the distribution of questionnaires so that the data collected is from trusted sources. By using quantitative methods to explain in detail how many people or the amount of data that has been studied. This method also makes it easier for researchers to make scientific work by using tables, bar charts, and lines or graphs to find out how many results are from distributing questionnaires. In order to be able to determine scientific work using clear data and the provisions in this study,

The purpose of this study was to determine the effect of learning media from using ChatGPT. One form of technological development of the learning media system. Most students have used ChatGPT to search for their assignments, as well as having a negative impact on students in the learning process. Dependence on technology can also reduce students' skills in learning independently without using technology. The presence of ChatGPT which is continuously used tends to make students lose motivation while studying. Because, tasks that can be given easily are done by machines. Cases like this will have a negative impact on students and students during the learning process. So there are differences of opinion among researchers in using ChatGPT in the learning process. Because ChatGPT is able to replace social interaction among students and make the learning process less effective. This will have an impact on the next generations of the nation where they are more concerned with themselves than other people. So the researcher hopes that the next researcher will be able to explain more broadly about the threats to the world of education in using ChatGPT.

CONCLUSION

Based on the research discussion above, ChatGPT is a chatbot system that uses a very sophisticated GPT (Generative Practice Transformation) natural language model to understand and respond to conversations with users. ChatGPT is able to replace social interaction, thus giving a bad influence on student development. It can be concluded that the use of ChatGPT in the learning process can have a negative effect on students or students. Thus making students become dependent on the use of technology. So it needs to be balanced with the physical learning process. The role of the teacher or lecturer is very important in the world of education, nothing can replace his position. Whether it's sophisticated technology or other learning media. In this case it is necessary to pay attention so as not to threaten the development of student learning. The results of the research that examined 19 students and students were that there was a graph that explained a few percent of students or students who said yes, no, and maybe towards the use of ChatGPT. And there is also a table containing questions that have been asked to distribute questionnaires through the WhatsApp application, as well as pictures from using ChatGPT. So based on the results of the research, from the results of this researcher it can be concluded that the achievement of learning media in using ChatGPT can have a positive impact and can also have a negative impact on students or students. The results of the research that examined 19 students and students were that there was a graph that explained a few percent of students or students who said yes, no, and maybe towards the use of ChatGPT. And
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AUTHORS’ CONTRIBUTION
Author 1: Conceptualization; Project administration; Validation; Writing - review and editing.
Author 2: Conceptualization; Data curation; Investigation.
Author 3: Data curation; Investigation.

REFERENCES


