

## EFFECTIVENESS OF USE *ARTIFICIAL INTELLIGENCE* IN THE FORM OF CANVA IN DESIGNING TEACHER LEARNING TOOLS IN SCHOOLS

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### **Abstract**

*Artificial Intelligence* is artificial intelligence with various types of presentation, one of which is Canva. Canva presents various interesting features that can be used to improve teachers' abilities in creating learning tools for students. The aim of this research is to see the effectiveness of use *artificial intelligence* in the form of Canva in designing teacher learning tools in schools. This research uses a qualitative descriptive type of research, with a sample of 10 teachers from various subjects. Data analysis used in this research uses descriptive analysis. The results obtained in this research show that the average teacher skill in designing learning tools before using Canva was 56 and after using Canva it was 87. Meanwhile, the teacher skill assessment in designing learning tools before using Canva was 49.4 and after using Canva it was 81.6. So it can be concluded that Usage *Artificial Intelligence* In the form of Canva in designing learning tools for teachers in schools, it is very effective to use.

**Keywords:** *Artificial Intelligence, Canva, Learning Media*

### **INTRODUCTION**

Technology nowadays is developing very rapidly. The world is often shocked by the emergence of various renewable technologies which have extraordinary benefits for human life, one of which is in the realm of education. Technology in the world of education is also a very important thing for teachers in schools to adapt to. In schools, technology can be integrated into various aspects such as learning, teaching and administration (Ifenthaler et al, 2021).

Technology in the digital era opens up opportunities for teachers to be able to implement technology in learning which can influence student learning outcomes (Daud et al., 2019).

Integrating technology can be a very positive thing for the development of teachers' abilities in integrating learning for students. Teachers are the most important component in a school. Teachers are the front guard in education, where without a teacher the learning process cannot take place and occur (Hasanah et al, 2024). Teachers must have several competencies such as personality, professional and social. In order to have this ability, apart from having good interpersonal skills, teachers must also have the ability to adapt to various existing developments, including skills in implementing technology.

In the current industrial era 5.0, one of the technologies that is currently being hotly discussed is *Artificial Intelligence* or often called AI. *Artificial Intelligence* is an artificial intelligence that is the same as humans which can make decisions and so on. *Artificial Intelligence* in education can help teachers in selecting knowledge of students' learning styles quickly and easily (Anas et al, 2024). Besides that *Artificial Intelligence* It can also help teachers in designing various learning tools for students. *Artificial Intelligence* There are many types that have developed at this time with various uses available. One of *Artificial Intelligence* that can be applied and has benefits for the world of education is Canva.

Canva technology is *Artificial Intelligence* which has become a very popular platform and is used in various aspects of the educational realm (Maulid et al, 2024). Canva can help someone in giving design suggestions, colors, looks, and various other capabilities. Canva can make it possible for teachers to be able to create a variety of interesting learning tools, so that students can easily understand the learning given by the teacher through application *Artificial Intelligence* in learning.

Despite developments *Artificial Intelligence* which is currently very fast in the world of education, but it is still found that many teachers in various schools do not know and understand it *Artificial Intelligence* overall including Canva. Based on the results of observations carried out at SMP Negeri 3 Darul Makmur, the average teacher does not know Canva and its uses, and there are still teachers who have not integrated technology into the lessons taught to students, so students are still found to have a low understanding of the concept. Apart from that, the learning tools presented by teachers are still very traditional and seem monotonous to students. In fact, all the aspects that teachers need to help prepare learning tools for students are already on Canva.

This is also supported by several studies such as Qowama et al (2024) said that teachers' mastery of technology is one of the obstacles to the use of media in learning. According to Munawarah et al (2024), teachers were found who still lacked the ability to prepare learning tools. So there needs to be integration for teachers in preparing learning tools with technology integration, one of which is *Artificial Intelligence* in the form of Canva.

According to Azizah et al (2024) say that Canva can help teachers and students create interesting creations. Apart from that, teachers can use Canva as a reference in creating learning tools such as learning videos, PPTs, and various others which can be used as a guide to improve interesting and creative learning.

Based on Based on the problems described, the aim of this research is to find out whether it is used *Artificial Intelligence* In the form of Canva in designing learning tools for teachers in schools, it is effective to use.

## METHOD

This research is a type of qualitative descriptive research. This research produces descriptive data which is presented qualitatively. The population in this study were school

teachers at SMP Negeri 3 Darul Makmur with a sample size of 10 teachers from various disciplines taught to students.

The type of qualitative descriptive research is a type of research used to describe something based on the identity and analysis of data in the research (Saefullah, 2024). This type of research will present a more in-depth picture related to the theme being studied based on various reading sources or existing literature.

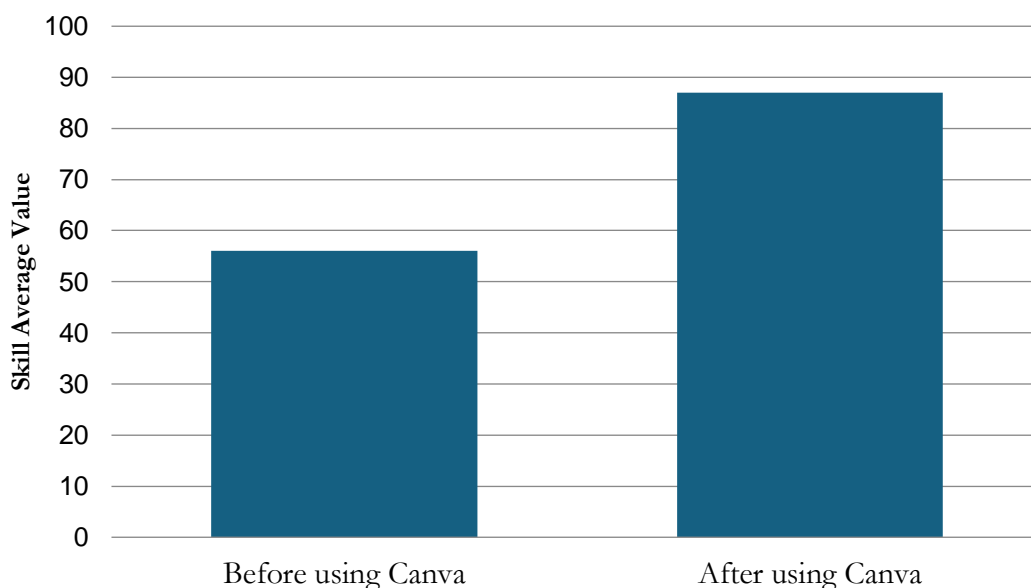
The techniques for collecting data in this research are observation, interviews and documentation. This research began with interviews around teachers' understanding and knowledge of *Artificial Intelligence* in the form of Canva, then observations were made to see the teacher's skills in making devices using Canva, then documentation.

Initially, in this study, initial observations were carried out by researchers to see how teachers' knowledge, understanding, and skills were in understanding technology in implementing learning. In addition, the learning devices that had been made by previous teachers were reviewed. After the required data was deemed sufficient, the interview stage was continued. Interviews were conducted so that the data obtained was more valid for examining the problems to be solved. Interviews are a series of strategies or approaches used by researchers or interviewers in collecting various information from sources. Some interview techniques that can generally be used include social interaction skills, psychology, and communication skills (Tanti et al., 2024). According to Rokhimulloh et al. (2024), the main purpose of the interviewer asking various questions to respondents is for the desired answers. Then the last one is documentation. Documentation is carried out in order to obtain more concrete evidence related to the research results.

After everything is finished, the final data will be analyzed descriptively to get answers to the problems studied. Descriptive analysis is a process that describes and explains the data obtained in detail. Through this analysis, researchers are able to write and organize everything relevantly according to the data sources studied and then a withdrawal will be made related to further interpretation based on the existing

## **RESULTS AND DISCUSSION**

Based on the results obtained related to teacher skills in preparing learning tools using traditional methods and with *Artificial Intelligence* in the form of Canva can be seen in Graph 1 below.



Graph 1. Average Teacher Skills in Developing Learning Tools Before and After Using *Artificial Intelligence in the form of Canva*

Based on The average teacher skill score in compiling learning tools before using Canva was 56 and the average after using Canva was 87, this shows that teachers' skills in compiling learning tools have increased by implementing Canva, one of the types. *Artificial Intelligence*. Furthermore The assessment of teacher skills in designing learning tools can be seen in Table 1 below.

Table 1. Assessment of teacher skills in designing learning tools before and after using Canva

No	Indicator	Average	
		Before	After
1	Attractive display of learning tools	50	80
2	Using visual images and others in learning tools	46	82
3	Presentation of various learning device displays	51	81
4	Learning tools can implement the material as a whole	50	80
5	Learning tools can make learning interesting	50	85
Average		49,4	81,6

Based on Table 1, it shows that the indicator for the appearance of attractive learning tools before using Canva was 50, after using Canva it was 80. For the indicator Using visual images and others on learning tools before using Canva it was 46 and after using Canva it was 82. Then for the Presentation indicator the display of various learning tools before using Canva, the average teacher assessment was 51, while after using Canva it was 81. For the indicator that learning tools can implement the material as a whole, it was obtained before using Canva at 50 and after using Canva it was 80, and then for the indicator that learning tools can making learning interesting, the average score before using Canva was 50 and after using Canva was 85. Based on these results, the overall average score for teacher skill scores in designing learning tools before using Canva was 49.4 and after using Canva was 81.6.

The results shown above show that using Canva is very beneficial in influencing teachers' skills in preparing learning tools for students. This shows that teachers need to adapt or adjust to various existing technologies to make it easier for teachers to present devices with various interesting and innovative concepts.

In addition, based on the results obtained, it can be seen that before using Artificial Intelligence in the form of Canva, teachers had insufficient skills regarding technology, in addition, teachers were not yet able to carry out technological literacy properly. There are teachers who do not know the technology and there are also those who know but cannot use it. This is an evaluation for schools in carrying out literacy through various activities so that teachers can integrate technology with their various tasks and responsibilities at school. In addition to saving time (Kurniawan et al, 2022), this also makes teachers more innovative in studying concepts in order to increase the enthusiasm and enthusiasm of students based on the concepts taught, one of which is the application of Artificial Intelligence.

Usage *Artificial Intelligence* Canva really makes it easier for teachers in learning activities. Teachers receive learning that has never been obtained before, so that teachers can develop their knowledge and skills by implementing technology in the form of Canva in compiling learning tools.

Canva provides various features that are capable of presenting attractive visuals. Apart from that, Canva also has various features in one software, so teachers don't need to bother looking for other software to create various learning tools. With Canva teachers can create PPTs, videos, interactive questions, other learning media, and much more.

According to Agustin et al (2024) Canva is a very valuable tool that is a solution and collaborative in the world of education in learning that can improve students' experiences. Apart from that, according to Alamsyah et al (2023) Canva also has good benefits for students. Where Canva can help students to develop their abilities and skills in more creative, innovative and interesting learning.

Canva can also improve digital literacy culture in schools for teachers and students (Ningrum et al, 2024). Digital literacy is a person's skill in analyzing, managing and evaluating technology. With Vanva, someone can direct positive literacy for technological development. Putri et al (2023) say that Canva can produce designs with attractive, unitary and measurable final results.

Canva is a website that can be a source of visual media that can be a classroom window for the educational realm (Fauziyah et al., 2024). Based on Mudinillah et al. (2021), Canva has various benefits, where these benefits are having a variety of very attractive designs, then it can develop various imaginations of teachers and students in designing various devices and media needed in the learning process. Furthermore, Canva has very flexible access that can be used at various times and opportunities and can be accessed anywhere. Canva for designing does not need to use a computer or laptop, but can also be done using gadgets and other electronic devices that can easily reach Canva.

Canva has a very attractive design by providing various features that make it easy for teachers to increase their creativity. In addition, students also have the advantage of increasing their insight into technology in learning and can use Canva as a medium for self-development and in completing various assignments given by teachers at school.

The use of technology basically has a very positive impact on life. Like Artificial Intelligence in the form of Canva. Artificial Intelligence is a sophistication born by humans that can help various human activities. In today's world, Artificial Intelligence is not only Canva but there are many types of Artificial Intelligence that are spread with different names, starting from

being able to help humans in mathematical calculations, decision making, graphic design, video design and so on. However, humans must always be aware that although technology can help all human activities in life, human nature is still more perfect. This is because basically technology is also born from intelligence that comes from the knowledge possessed by humans on this earth.

Although Artificial Intelligence can help humans, humans must also always hone their abilities and technology can be integrated with the knowledge and knowledge possessed by humans in this world. This is because the best humans are definitely those who are useful for other humans. So in order to be able to develop abilities, humans must be able to adapt to various mechanisms of development in the current era, humans must be able and must be open to existing developments, and humans must not close their eyes to these developments.

In the world of education, according to Afrita (2023), Artificial Intelligence or better known as AI is able to increase efficiency and effectiveness in the education system with various methods available, such as predictive analytics, adaptive learning, intelligent tutoring systems, natural language processing, and gamification.

Based on the results obtained also show *Artificial Intelligence* In the form of Canva, it is very effective to use in education, especially in learning by teachers in compiling learning tools, this is because Canva is easy to access and provides various attractive displays. According to Irsan et al (2021), Canva is very interesting because it provides an online design program with a variety of presentations, ranging from presentations, brochures, graphics, resumes, posters and others.

Canva is a type of AI-based graphic design platform that has become a popular tool in the education sector. Here are some ways to use Canva in education, such as, Creating learning materials, where teachers can easily create presentations, posters, videos, infographics, and worksheets by utilizing templates that are available in Canva. Canva can help teachers create learning materials that are more interesting and interactive than before.

In addition, Canva can also help student projects, where they use Canva for creative projects such as creating posters, presentations, and learning resumes. This will develop more complex visual design and visual communication skills. In addition, Canva is also a place for Collaboration, where Canva allows real-time collaboration, allowing students and teachers to work together on projects.

Canva can also be a means of developing Digital Content, where Canva can allow teachers to create various digital content such as short videos, animations, graphics, and others to be used in direct or indirect learning processes. Furthermore, Canva can also be used as Personal Branding, where students can use Canva to compile and create an attractive, creative and professional personal portfolio for personal needs in the present and the future. In addition, Canva in education is also used to produce and create a more dynamic and attractive learning environment and can help students develop various skills that are relevant to the digital era and that they have mastered.

If you look closely based on the results obtained and some discussions about AI in the form of Canva, it is very effective when used in the world of education, especially in compiling teacher learning tools. This is supported by several studies that state that Canva is very effective to use. According to Mahardika et al. (2021), technology has very effective activities that can be a supporter in the world of education consisting of computers, the internet, e-learning, social media, simulations, and various tools that have the latest updates that are in accordance with the times such as game applications, virtual worlds, and Canva.

Now in various schools, especially modern schools, many teachers have applied technology in learning, this is very different from teacher learning in the past. According to Supriadi (2017), teachers are the only traditional source of learning. This is very different from

the 21st century industry 5.0 today, almost all activities on earth must be integrated with various existing technological developments.

If humans have not and are not able to apply technological developments in everyday life, then these humans will be left behind, especially in the latest technology such as Canva. There are so many advantages found in Canva in its interpretation for human life. Where Canva's interpretation in life is the most widely used online platform in the world of education (Zebua, 2023). Canva can help teachers develop interactive learning tools that can combine various existing collaborations (Li, 2020).

Although there are so many technologies developing today, teachers are required to be able to read various existing literatures, so that teachers are not blind to technology. According to Sutomo (2023) Canva can be interpreted in the development of E-modules, meaning that Canva can be utilized in various aspects of the needs of teachers and students at school and Canva can be made in other web integrations. Canva not only helps teachers, but also helps students in the learning process. Canva helps someone design something easily without having to design from scratch (Sinaga et al., 2023). By using technology, especially Canva in learning, it can help students understand the material completely by using various available teaching aids.

The results and discussions that have been obtained show that Canva is a type of Artificial Intelligence whose implementation is very broad and covers all aspects of the needs of compiling assignments and others that can help humans in doing assignments and other needs. Digital literacy is an important thing to learn, this is because today's world requires humans to better understand existing technology. This can be seen from the current state of children who are very good at using various technological tools and implementing them in their daily lives. As a teacher, one must be more open about technological developments so that students who are taught also understand the function of implementing technology in a positive direction in the world of education, so that teachers can also lead opinions on the development and usefulness of technology in a positive direction, because basically every development, everything in life must have positive and negative things that if someone does not have enough literature to understand, it will make the impact of technology worse. So it is very necessary to control everything properly, and instill the nature of integration into positive things to students.

## CONCLUSION

Based on Results and discussion can be seen that the use of Canva in preparing learning tools is very effective, this can be seen from the average value obtained from Teacher Skills in Preparing Learning Tools Before and After Using *Artificial Intelligence in the form of* Canva before using Canva was 56 and after using Canva the average score was 87. Meanwhile, for the assessment of teacher skills in designing learning tools from several indicators before and after using Canva, the overall average score before using Canva was 49.4 and after using Canva was 81.6. This means that based on the average value obtained, that Usage *Artificial Intelligence* in the form of Canva in Designing Teacher Learning Tools in Schools is very effective to use.

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