

## Evaluation of the Effect of Teacher Training on the Use of Learning Technology

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### ABSTRACT

**Background.** Teachers are a profession responsible for educating, guiding, teaching, and training students. The teacher's role is important in nurturing to develop students' knowledge, attitudes, and skills. The role of teachers who provide knowledge as access to information is now aided by digital sophistication. In this case, teachers must be able to control technology for learning to students. The learning process must of course be evaluated so that the weaknesses and strengths in learning can be identified.

**Purpose** This study aims to evaluate the effect of teacher training in the use of learning technology. This evaluation will provide an overview of the effectiveness of the training in improving teachers' understanding of learning technology. In addition, it assesses the impact that the use of technology has on student learning outcomes.

**Method.** The method used in this research is quantitative method. Data collection is done by distributing questionnaires to teachers. Making statements related to evaluating the effect of teacher training in the use of learning technology. This statement is loaded in google from which will be processed through the SPSS application. The data obtained can be tested by proving the statements listed on Google from adjusted through facts that often occur in the world of education.

**Results.** The results of this study suggest that evaluating the impact of teacher training can provide a basis for developing a sustainable training curriculum. The role of technology in education will change the way students learn and also the learning outcomes. This evaluation will give teachers an idea of how much students develop after the use of technology.

**Conclusion** The conclusion of this study is that evaluation of teachers in the use of technology is also needed. Evaluation of the effect of teacher training on the use of learning technology is an assessment process to measure the extent to which training has an impact on teachers' ability to use technology. The difference in teachers' perspectives on technology also affects how much technology is used in learning. Teachers will also be a forum for the advancement of education. So that it can expand the application of technology in education.

### KEYWORDS

Evaluation, Learning, Technology

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## INTRODUCTION

Evaluation is an action taken to measure how much change is made in a job. Evaluation is very important in every activity carried out (Kato, 2022; Rosa, 2021).

Evaluation in the world of education certainly includes the work of teachers, intra- and extra-school work, as well as evaluation of students (Cicale, 2023; Thomas, 2019). The evaluation process is carried out more thoroughly so that the results can be used as a reference for previous changes. In the era of technology that is increasingly rapid to enter the world of education, of course, special expertise is needed. This is a new problem in the world of education where the lack of knowledge in the digital field from teachers who teach (Al-Fraihat, 2020; Bailenson, 2021). Technology applied in teaching requires special training. If teachers are not able to use technology as a learning medium. Of course, it greatly affects the effectiveness of the application of technology to learning by teachers.

The improvement of student learning through technology incorporated in learning will certainly be different according to the ability of the teaching teacher (Alber, 2019; Aledhari, 2020). The lack of teacher skills in the use of learning technology will certainly be a significant obstacle. This is certainly very important to discuss because technology is inseparable from everyday life (Bi, 2019; Blake, 2020). The use of technology that is able to access everything certainly requires knowledge. Knowledge will later be used as a guide so that technology does not become a threat to education. The emergence of training on the use of technology in learning is a solution to overcome the existing inequality. The provision of training of course requires achievement targets. The target will be the goal to maximize and function learning technology by teachers appropriately.

Learning that uses technology will certainly produce different qualities. Proper use of technology will be able to increase the effectiveness of learning (Dis, 2023; Duan, 2019). Evaluation of teacher training in using digital media will hone the skills and knowledge of teachers (Dis, 2023; Dwivedi, 2020). Education that is increasingly changing according to the curriculum is also a challenge for teachers. Teachers are required to be able to adjust and meet student learning needs. Teachers must also have knowledge about technology so that they can adjust the right learning media to use (Dwivedi, 2021, 2023; Esteva, 2021). In addition, teachers are also required to be able to master the technology that will be used in learning. This is because the teacher is the one who will provide *ilm*. If the teacher is not able to master the technology used during learning, where will students ask. So this research will prepare teachers to face future challenges. Training teachers is a way to overcome the gap in the digital world.

Research on the evaluation of teacher training in the use of learning technology has deep reasons to be researched. Evaluation conducted to teachers as learners when conducting training in the use of technology is very important. The things that are needed in achieving the proper use of learning technology must be mastered by teachers. Teachers who are a place to imitate and ask questions for their students must certainly understand what will be used and taught during learning. Technology that is relatively easy to access and has flexibility must be controlled by the teacher in its use during learning. This evaluation will be useful to achieve rapid change towards a golden civilization. In addition, the evaluation of training for teachers will be able to identify risks when using learning technology. On the other hand, it will also be able to analyze the positive and negative impacts and limitations that often occur when using educational games.

This research will contribute to the evaluation of the effect of teacher training when using learning technology. Training for teachers will influence and change the way of learning. These changes or influences certainly have positive and negative sides. In training, there are things that are achieved and also not achieved. This needs to be evaluated to improve efficiency in the use of technology. Evaluation will be able to solve problems that occur and can handle future risks. This research will look for any barriers in teacher training when using learning technology. The researcher will also help identify how much influence teacher training has on the use of technology in lessons.

Furthermore, teachers will be able to maximize training and also the use of technology in teaching and learning in order to achieve learning objectives.

The innovation initiated in this research is the role of teachers as educators, teachers, and also train students to use technology properly and correctly. One way to evaluate the use of learning technology is to record learning outcomes that use technology (Iglesias-Pradas, 2021; Jiang, 2021). Technology used in learning appropriately will make students more enthusiastic. The novelty of this research is the evaluation stage in teacher training as a whole on technology. Previous research discussed more about the form of Evaluation of the Effect of Online Teaching of Vocational Teachers Based on TOPSIS Technology and Hierarchical Chi-Square Model (Zheng, 2023). Evaluation of the use of technology by teachers for teaching will bring changes in the education system. So that these changes can help students to advance and develop rapidly in the world of education.

The purpose of the research is of course to improve the quality of education. Teacher training will have a positive impact on improving skills in using technology (Collins, 2019; Deng, 2020). When teachers are able to master technology deftly, it will help increase self-confidence. Teachers who are able to use technology optimally will easily adjust to the needs of students. This evaluation will also affect the extent of the success of the process carried out by the teacher (Fang, 2019; Hassija, 2019; Iglesias-Pradas, 2021). Teachers' traditional mindset will change with the training. This will help teachers face future challenges. Periodic evaluation activities will monitor the long-term impact of teacher training in the use of technology.

The researcher expects that there will be a rapid change in the way teachers learn when using technology. The changes made should affect the level of student achievement in education. The researcher's greatest hope is that this article can provide benefits and also references for changes towards better education in the future. Hopefully this article can also be taken into consideration for further researchers related to evaluating the use of learning technology. So that there is no longer a gap between teachers and students in the teaching and learning process. Thus, every educational challenge can be overcome quickly and precisely.

## **RESEARCH METHODOLOGY**

### **Research Design**

This research uses a quantitative research design, the questions imported were 20 items into google from (Arvapally, 2021; Bauer, 2019; Bullich, 2020). In this case, the statement includes the effect of the evaluation conducted on teachers during the training on the use of learning technology. This method is used to formulate the results of statements and views from teachers on the implementation of evaluations. Furthermore, it is developed into research that can be accounted for its accuracy. The data presented is in accordance with each event experienced by the teacher who conducted the training. Quantitative method is a way of collecting data in the form of numbers that can be measured. The research stages begin with the presentation of a questionnaire containing 20 statements. The results of distributing questionnaires through Google form will be managed using SPSS. Researchers will also input the highest and lowest answers from the questionnaire distributed.

### **Research Procedure**

This quantitative research procedure will go through a series of systematic steps to collect, analyze, and provide an understanding of the data collected. This research begins with a request for permission from the campus and working with teachers who use learning technology. Then every detail of the statement made by the researcher until it reaches the acquisition of data filling which the researcher considers to have obtained the expected thing. In addition, this research certainly does not forget the ethics in making questionnaires by using appropriate, good, and polite language. So that

teachers who fill out the questionnaire distributed are also faster in carrying it out. This will make it easier for researchers to examine data and examine various problems faced by teachers in evaluating training in the use of learning technology.

### Research Subjects

The subjects of this study are selected teachers from various institutions, the role of the researcher is to collect every answer given by the teacher. This research will be very important to correct the shortcomings that occur during teacher training in the use of learning technology. The use of learning technology also aims to maximize the quality of formal education today. In addition, it also identifies the risks that occur when using technology in learning. This is the first effort to take strategic steps in education. After maximizing the use of learning appropriately and accurately can increase the achievement and understanding of students.

### Research Ethics

A research must prioritize ethics. Ethics are principles, manners, norms that are used as a basis for conducting research (Abma, 2019; Ballantyne, 2019; Iglesias-Pradas, 2021). Research ethics will help in gathering information easily and conveniently. The ethics will regulate the behavior of the researcher while conducting the research (Abma, 2019). In this study, 25 teachers from various schools were randomly selected to participate in answering the questions. The data collected will be kept secure. The security of research data will be considered for protection efforts from recognition as proprietary. This research is conducted fairly and without favoring any individual. The researcher will not impose a will on the research subject to maintain comfort between the two parties. In addition, the researcher gives appreciation to all parties who have helped in the implementation of this research.

### Data Collection Technique

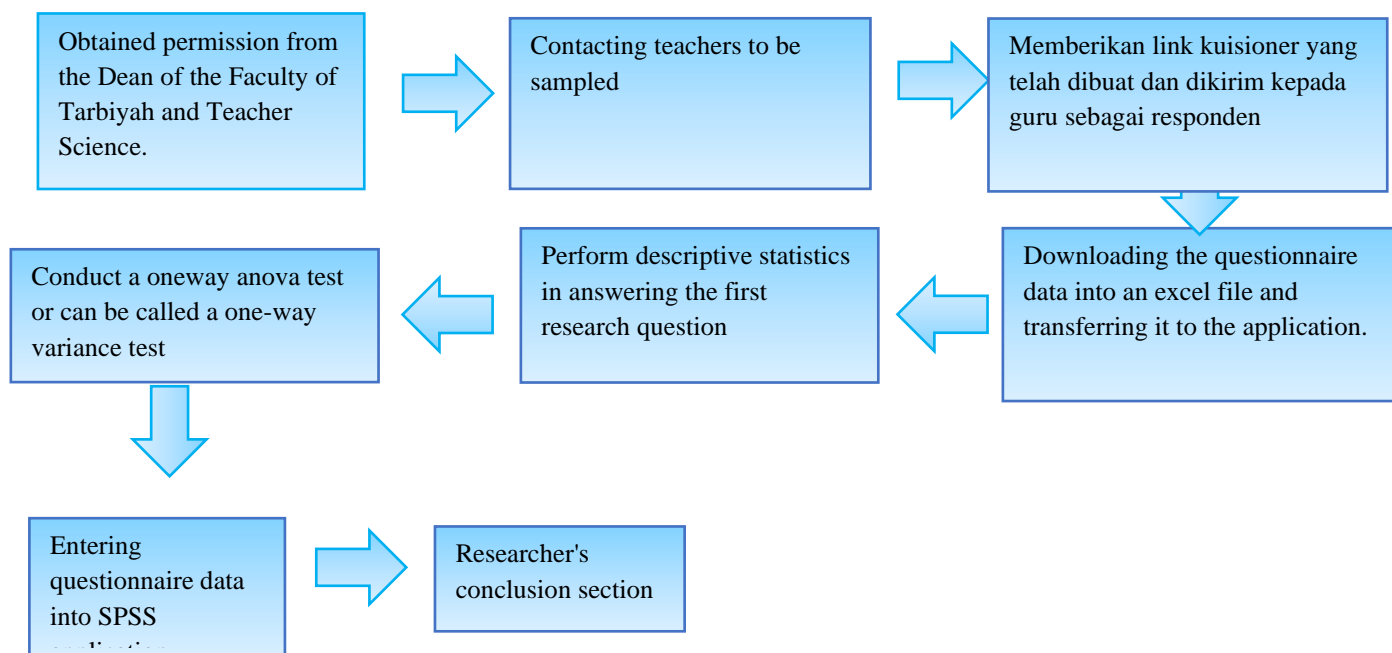
Data collection in this study uses the help of google from which aims for easy access. It will also save time in data collection. Google from contains statements related to evaluating the effect of teacher training in the use of learning technology. Distribution of google from to teachers via whatsapp. The data collected is in the form of the number of percentage responses to each statement given. The results were moved into excel and changed to a number format. This is useful to facilitate the data processing process using SPSS. Number format is a characteristic of quantitative methods. The purpose is to show the teacher's response to the evaluation of the effect of teacher training in the use of learning technology. This data will be presented in the form of numbers and explained the highest response to the statement submitted.

**Table 1 Sample Population**

NO	Department of	Number of Participants	Percentage
1.	Teacher During Use	<b>10</b>	<b>40%</b>
2.	Teacher After Use	<b>15</b>	<b>60%</b>

**Table 1 Rincian Sampel Penelitian**

No	Choice Category	Tier Number
1	Strongly Agree (5)	<b>&gt;90%</b>
2	Agree (4)	<b>70-80%</b>
3	Disagree (3)	<b>50-60%</b>
4	<b>Strongly Disagree (2)</b>	<b>0-40%</b>
Total		<b>100%</b>

**Data collection and data analysis tools****RESULT AND DISCUSSION**

Teachers as a place to ask questions in formal institutions must certainly master what is used when learning. Training teachers on technology is an effort to improve teacher competence and performance to face challenges in this digital era. The digital world at this time can no longer be separated from the world of education. A lot of diverse knowledge is presented in digital media. However, it must be sorted out first in order to use it correctly and avoid false information. Training teachers to use digital technology has a positive impact on teacher competence and performance. Teachers have no difficulty in explaining lessons. Teachers do not stutter in the use of technology during learning. So that learning can be done actively and students become more enthusiastic. However, teacher training has its own challenges. The challenges that often occur in training the use of learning technology are limited facilities, resources, time, and even budget.

Limited facilities occur because there are some teachers who do not have tools such as smartphones or laptops and the like. In addition, teachers' willingness to conduct training is lacking because there is still fear in using technology. Another thing is the use of technology that must be in accordance with the curriculum, student characteristics, local context, to suit the way students learn. Support from educational institutions must be improved to support the achievement of the training process. Continuous training will have a significant impact on teachers. Therefore, training should be sustainable, comprehensive, collaborative and reflective. Policies in training will also support, motivate, and supervise the implementation of activities.

Table 3 Responded by teachers during training on the use of learning technology

NO	Question	SS (%)	S (%)	TS (%)	STS (%)
1	Teacher training has a positive impact on improving skills in using learning technology	57%	43%	0%	0%
2	Teacher training can create a dynamic and interactive learning environment through the use of technology.	46%	50%	4%	0%



<b>3</b>	Teacher training can positively contribute to increasing students' motivation levels through learning technology	43%	57%	0%	0%
<b>4</b>	Teachers who undergo training are more likely to integrate aspects of technology in student assessment	36%	57%	7%	0%
<b>5</b>	Training can help teachers identify and overcome barriers in the use of learning technologies	36%	64%	0%	0%
<b>6</b>	Trained teachers tend to be more adaptive to new technological developments in education	42%	54%	4%	0%
<b>7</b>	Training can increase teachers' creativity in creating interesting learning methods by utilizing technology	46%	54%	0%	0%
<b>8</b>	Teachers who receive training tend to be more responsive to the individual needs of students through the use of technology	46%	54%	0%	0%
<b>9</b>	Training can change the mindset of teachers from traditional to more open to technological innovation	42%	54%	4%	0%
<b>10</b>	Assessment of student learning outcomes can be used as an indicator of the positive influence of teacher training in using learning technology	39%	54%	7%	0%

The table above is the result of responses from teachers during training on the use of learning technology. The statement that has the highest response is about teacher training having a positive impact on improving skills in using learning technology. 57% of the respondents strongly agreed and the rest agreed. This statement received a positive response because the training given to teachers in using technology has a good effect on education. Teachers in the learning process when using technology will not feel stuttering or even unable anymore. Training will provide benefits in the form of basic and core knowledge to teachers when using learning technology. Training is one way to improve skills in the use of technology. Training will influence the quality level of teachers' teaching by utilizing online resources. In addition, training will provide new ways to improve collaboration and communication skills between students and teachers. Training will also provide a preparation or initial provision for teachers to face the future world that develops followed by technology.

The statement in item 5 related to training can help teachers identify and overcome obstacles in using learning technology. This statement had 64% respondents agreeing and the remaining 36% responded strongly agreeing. This statement is responded positively and supports that training will be able to help teachers. This is because the training provides insight into how to use technology. This method can change the way students learn to be more active, learning can also be done remotely. In addition, training will also improve teachers' skills and confidence when using technology. Training provided according to the needs and level of understanding of the teacher will give the impression of confidence and make it easier to learn. Providing support and guidance during training will also support the teacher training process. So that teachers will be more helpful in overcoming problems that arise in using technology.

Table 4 Response from teachers after training on the use of learning technology

NO	Question	SS (%)	S (%)	TS (%)	STS (%)
1	Evaluation of the effect of teacher training can be measured by the improvement of teachers' understanding of the concept of learning technology.	39%	61%	0%	0%
2	Teachers who undergo training tend to be more confident in applying technology in learning	61%	39%	0%	0%
3	Teacher training has an impact on improving the efficiency of using learning tools and applications.	61%	36%	3%	0%
4	Evaluations can show that training improves teachers' ability to design technology-enabled learning materials	36%	64%	0%	0%
5	Evaluations reflect increased collaboration between teachers in integrating technology in teaching	46%	50%	4%	0%
6	Evaluations can note increased student engagement as a result of teachers' use of technology	43%	57%	0%	0%
7	The evaluation can show increased use of online learning resources by teachers following the training	43%	46%	11%	0%
8	The evaluation can measure the extent to which the training influenced increased student participation in the learning process	36%	61%	3%	0%
9	It can identify areas where the training needs to be refined to increase its effectiveness.	43%	54%	3%	0%
10	Ongoing evaluation is needed to monitor the long-term impact of teachers' use of learning technologies	39%	61%	0%	0%

In the table above, item 4 regarding evaluation can show that the training improves teachers' ability to design learning materials that support technology has responded 36% strongly agree statements followed by 64% agree statements. This is a positive response to this statement. An evaluation that measures the size of a risk that occurs will be able to provide an overview for future changes. Evaluation will provide a way to support the improvement of teachers' skills. Such as measuring abilities and skills after teacher training in using technology. Evaluation will also provide observational data that can be analyzed for learning design, teaching materials, teaching media, and even learning assessment.

The next highest statement in item 1 regarding the evaluation of the effect of teacher training can be measured from the increase in teacher understanding of the concept of learning technology has the highest agreed response of 61% supported by 39% strongly agreed responses. At the evaluation stage, which is to measure how influential teacher training in the use of learning technology will be compared to an increase in teacher understanding of the concept of learning technology. Teacher understanding of the concept is one indicator of teacher competence in using

learning technology. Increased understanding from teachers will affect the quality and effectiveness of learning, especially online. Increased teacher understanding will also help teachers to identify problems that arise in order to overcome the obstacles that occur. Teachers will be ready to face any problems such as limited facilities, resources, or ability to use.

Table 5 Responded by teachers during training on the use of learning technology

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
X.1	Teacher During Use	2.500	6	.417	.	.
	Teacher During Use	.000	3	.000		
	Total	2.500	9			
X.2	Teacher at Time of Use	3.600	6	.600	.	.
	Teacher at Time of Use	.000	3	.000		
	Total	3.600	9			
X.3	Teacher at Time of Use	2.100	6	.350	.	.
	Teacher at Time of Use	.000	3	.000		
	Total	2.100	9			
X.4	Teacher at Time of Use	4.100	6	.683	.	.
	Teacher at Time of Use	.000	3	.000		
	Total	4.100	9			
X.5	Teacher at Time of Use	2.400	6	.400	.	.
	Teacher at Time of Use	.000	3	.000		
	Total	2.400	9			
X.6	Teacher at Time of Use	2.400	6	.400	.	.
	Teacher at Time of Use	.000	3	.000		
	Total	2.400	9			
X.7	Teacher at Time of Use	2.400	6	.400	.	.
	Teacher at Time of Use	.000	3	.000		
	Total	2.400	9			
X.8	Teacher at Time of Use	2.500	6	.417	.	.
	Teacher at Time of Use	.000	3	.000		



	Total	2.500	9			
X.9	Teacher at Time of Use	2.500	6	.417	.	.
	Teacher at Time of Use	.000	3	.000		
	Total	2.500	9			
X.10	Teacher at Time of Use	3.600	6	.600	.	.
	Teacher at Time of Use	.000	3	.000		
	Total	3.600	9			

The table above is a sample of responded answers from teachers when carrying out training on the use of learning technology. In the training statement can help teachers identify and overcome obstacles in the use of learning technology with the acquisition of a total sum of squares of 2,400 and the acquisition of df as much as 9 and an average square of 400. This statement does not have a significant value so that in the final condition the two sample groups have a balance. This happens because the training will help teachers find, analyze, and provide direction for problem solving in the use of learning technology.

Table 6 Teachers' responses after the training on the use of learning technology

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
X.1	Teacher After Use	2.833	7	.405	5.667	.018
	Teacher After Use	.500	7	.071		
	Total	3.333	14			
X.2	Teacher After Use	3.600	7	.514	.	.
	Teacher After Use	.000	7	.000		
	Total	3.600	14			
X.3	Teacher After Use	3.600	7	.514	.	.
	Teacher After Use	.000	7	.000		
	Total	3.600	14			
X.4	Teacher After Use	3.333	7	.476	.	.
	Teacher After Use	.000	7	.000		
	Total	3.333	14			
X.5	Teacher After Use	3.100	7	.443	6.200	.014
	Teacher After Use	.500	7	.071		
	Total	3.600	14			
X.6	Teacher After Use	3.233	7	.462	6.467	.012
	Teacher After Use	.500	7	.071		
	Total	3.733	14			
X.7	Teacher After Use	4.833	7	.690	9.667	.004
	Teacher After Use	.500	7	.071		
	Total	5.333	14			

X.8	Teacher After Use	3.600	7	.514	.	.
	Teacher After Use	.000	7	.000		
	Total	3.600	14			
X.9	Teacher After Use	3.233	7	.462	6.467	.012
	Teacher After Use	.500	7	.071		
	Total	3.733	14			
X.10	Teacher After Use	3.100	7	.443	6.200	.014
	Teacher After Use	.500	7	.071		
	Total	3.600	14			

In the table above regarding the evaluation statement reflects increased collaboration between teachers in integrating technology in teaching has a total sum of squares 3600, df 14, mean square 0.443, f 6200, and sig 0.014. Based on the table above, the sig value after the training on the use of learning technology is 0.014 which means it is smaller than 0.050. So it can be concluded that both groups are homogeneous. This statement is about evaluation that will increase collaboration between parties. Integrating technology in teaching requires periodic evaluation to achieve maximum results.

## DISCUSSION

Digital technology used can significantly change a person's life, way of working, and even learning. In the world of education, digital technology is an important tool to improve the quality of learning and teaching in schools. Training teachers in the use of technology will be very relevant and must be evaluated regularly. This evaluation is used to see the extent of the influence of training on the ability of teachers to incorporate in the world of education. Today's education that has been mixed with technology requires teachers to have additional skills. Teachers are required to have knowledge of various tools and applications that will be used in the world of learning. Knowledge and understanding of technology will be channeled to students as a medium or method in learning. When teachers have an adequate understanding of the use of technology, this will help teachers to achieve the applicable curriculum targets.

Knowledge and understanding of technology will improve teacher performance in understanding the material being taught. Understanding is not only limited to theory but can be practiced or exemplified directly with various media presented. In addition to knowledge, the technical skills of the teacher must be mastered. So that when using technology does not feel awkward or even do not understand what is being used. Teachers are required to at least have the basic ability to use several technologies that are often used when learning. Like a computer, starting from turning on to turning off and the use of the buttons presented. Another technology is a projector that will show large teaching materials in front of students. Teachers must know how to use and install the projector itself. There are still many technologies that teachers must master in the world of education such as microshof.

Teachers as educators in formal institutions to carry out their duties and responsibilities will also require training. Teacher training will be useful to improve the abilities and skills of teachers towards a training that is implemented. Teacher training in the use of learning technology is an important effort to improve teachers' competencies, skills, interests and professional attitudes when responding to learning technology. When teachers are trained in the use of technology in learning, it will help increase their self-confidence. The implementation of the training will give a positive impression on both teachers and students. Confident teachers will provide a positive aura when learning so that students will become more energized during learning. The improvement of teachers in the use of learning technology will also affect the use of appropriate learning media.

Teachers in training will be taught something dynamic and interactive. The creation of a dynamic environment or a changing environment will be able to make students not bored if applied in learning. Learning will also be carried out actively and effectively. Students will be enthusiastic in carrying out learning. In learning, the dynamic and interactive environment will present interesting media, activities, and sources of learning according to the learning needs. Learning media that uses technology has more interesting elements to support students' learning style. Such an environment will actively participate in meeting students' educational needs. The evaluation showed that the training improved teachers' ability to design supportive learning materials. Teachers will try to learn the materials and combine them with technology to be creative. However, it is important to keep in mind that too creative learning media will damage students' concentration.

Concentration is key in understanding learning. Technology can improve concentration with interesting, significant changes, easy-to-understand materials. However, too much technology will have a negative impact on students. Decreased quality of learning due to addiction to technology but not access to learning. The occurrence of diseases such as eye pain due to uncontrolled use. Lack of social interaction, technology that provides individual learning per individual will reduce social interaction between students and teachers or fellow students. So because some of these shortcomings will hinder the achievement of quality learning, it is necessary to evaluate the use of learning technology for teachers.

Evaluation can provide an important record of student improvement as a result of teachers' use of technology. This is because evaluation is a medium or way to measure the extent of success in the implementation of something. The usual measurement is the extent to which the achievement of the expected competencies has been achieved by students. Evaluation will also provide quick feedback to provide responses to the implementation of training and learning. Technological developments collaborated with education will be a motivation for students to be active and enthusiastic in learning. The implementation of evaluation will provide an overview and direction in helping teachers choose methods, media, and even teaching materials that suit their needs. Evaluation is also not only about measuring but also looking for shortcomings to be used as material for improvement in the implementation of the next process. In addition, the advantages described in the evaluation process will be developed to achieve maximum learning outcomes.

The purpose of the evaluation must be clear to find out what you want to know. The results of the evaluation will also be intended for whom must be clear. In the evaluation, you must know the reactions, behaviors, activities, and results that must be in accordance with the objectives of the implementation. Measurement can be done through increasing student participation in the learning process. Evaluation will provide accurate and constructive feedback on student learning progress. This will allow for improvement and development in the teaching process. Active engagement in the learning process is part of the impetus for evaluation. Evaluation will participate in overcoming barriers and risks that occur in the learning process using technology.

Evaluation in teacher training will have a long-term impact on education. If teachers are closed to accepting incoming technology, then students will find it difficult to catch up in education. When teachers rawly accept technology without understanding, it can be bad for both teachers and students. Teachers will have difficulty adjusting the media used, students will have difficulty understanding what is conveyed. Thus, the reciprocal relationship between teachers and students is not effectively implemented. Evaluating the training raises the question of whether the skills and knowledge acquired will be applicable to teachers in the future. Evaluating how much training provides a strong basis for teacher professional development in terms of technology use.

It is important to remember that evaluation is not only done on the teachers who carry out the training. It can also be done on the technology used and the entire education system. This includes the curriculum, technology infrastructure and managerial support. Evaluation should consider these factors to get a complete picture of the effect of teacher training on the use of learning technology. Overall, evaluation is important to identify the successes and challenges of integrating technology into the learning process. It will also provide important insights for teacher development and the improvement of the education system as a whole.

## CONCLUSION

Based on the research evaluation, it can be concluded that teacher training in the use of learning technology has a positive influence on the learning process. The training will provide teachers with the knowledge and skills needed to incorporate technology into learning. The incorporation of technology into learning will provide new learning experiences for students. An interesting learning experience will improve the quality of learning and this will affect the level of student achievement. Appropriate training will optimize the use of technology as a learning medium to expand access to educational resources. These educational resources can be accessed online. However, the acquisition of online materials must be selected and filtered so as not to get the wrong information circulating. Forms of online media that can be accessed include video learners and digital platforms. Learning that is collaborated with technology will give a creative impression that dances for students to increase student motivation in active involvement and critical thinking skills.

Training teachers in the use of technology will also improve learning efficiency. Many teachers use technology in education in an appropriate way that makes students active and critical in dealing with learning problems. The convenience offered by technology will help teachers in giving assignments, assessing assignments, and evaluating student work. Learning can also be done anywhere. Today's technology provides quick feedback so that it speeds up the teacher's work to evaluate things that are deemed necessary. Technological advancements will also help track student progress in real-time. This will help provide an individualized approach according to the student's characteristics to help learn effectively by taking into account uniqueness and needs. Success in the use of technology is not only in terms of proper training, but there are other supporting factors. For example, the availability of smartphones, good internet access, adequate technology infrastructure, and administrative support.

## AUTHORS' CONTRIBUTION

Author 1: Review and editing.

Author 2: Conceptualization; Data curation; In-vestigation.

Author 3: Data curation; Investigation.

Author 4: Validation; Writing.

Author 5: Conceptualization; Project administration.

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