Technology-assisted Qur'an Hadith Learning to Improve Student Achievement

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ABSTRACT

Technology at this time cannot be separated from human life. In the field of education, technology can facilitate the teaching and learning process, one of which is in the subject of Al-Qur'an Hadith. The purpose of this study was to determine the extent to which the improvement of student achievement in learning Al-Qur'an Hadith with the help of technology. This research method is a quantitative approach using a survey model and in-depth interviews. The survey used in the study was online-based in one of the schools in Payakumbuh. The results of this research show that with the help of technology students' understanding in learning Al-Qur'an Hadith has increased. The conclusion of this study is that technology is very helpful in the learning process of Al-Qur'an Hadith, thus increasing students' enthusiasm for learning and improving students' academic achievement. The limitation in this study is that researchers only conducted research on how to improve student achievement in learning Al-Qur'an Hadith with the help of technology, therefore researchers hope that future researchers can conduct research on how to improve student achievement with the help of technology in other subjects.

Keywords: Learning Al-Qur'an Hadith, Technology, Student Achievement

INTRODUCTION

Technology at this time cannot be separated from the world of education (Chick dkk., 2020; Kamilaris dkk., 2019; Scherer dkk., 2019). Technology is a means or way...
that can lead humans to a modern life. The function of technology in education units has an impact on student achievement (Johnston dkk., 2020; Kopnov dkk., 2018). Technology in education units must support, because technology is currently needed in the world of education. The existence of this technology can facilitate educators and students in the learning process (Johnston dkk., 2020; Zhao dkk., 2019). Educators and students must be able to use the technology (Patra dkk., 2018; Wang dkk., 2020). Without technology, learning in schools may not be achieved properly.

The use of technology today is very much needed in learning. The impact of the use of technology in schools has a negative impact and some have a positive impact. The positive benefit of technology itself is that it can improve student achievement in learning (Abbas dkk., 2019; Bankó dkk., 2019; Feng dkk., 2020). While the negative impact is that students sometimes often misuse technology.

Along with the development of technology at this time can bring changes to the world of education (Dutta dkk., 2020; Oztemel & Gursev, 2020; Rao & Prasad, 2018). Previously, the world of education did not recognize the existence of technology. Along with the times, technology itself has entered the world of education and has brought changes in the world of education (Liu dkk., 2019; Wehner dkk., 2018; Zhang dkk., 2018). Especially since the emergence of covid-19, everything has used the help of technology (Chen dkk., 2020; Huang dkk., 2021; Zhou dkk., 2020). So that with this technology it can make it easier for students to learn online. Besides that, there are also several obstacles in online learning, such as students being constrained by the network and even some students are constrained by cost problems (Binks dkk., 2021; Budd dkk., 2020; Li dkk., 2021). Even the economy at that time was very poor, due to the implementation of PSBB (Large-Scale Social Restrictions). The existence of such rules makes everyone bound at home and work can only be done at home and not allowed to leave the house.

Such enforcement is not only for the government, but also for all communities. The teaching and learning process at that time was disrupted because of an epidemic that attacked the country of Indonesia and even the virus had attacked the world (Fernandes dkk., 2021; Hart dkk., 2021; Jacques dkk., 2021). So that if you allow students to study at school, it will certainly have an impact on the health of the students later (Pierce dkk., 2020; Torales dkk., 2020; Wang dkk., 2020). When the corona virus attacked Indonesia and even the world at that time, it did not hamper the teaching and learning process in schools at that time, because there was already help from technology, such as learning through WhatsApp groups, Classroom, Zoom and so on (Alharbi & de Doncker, 2019; Pouyanfar dkk., 2019; Zhang dkk., 2018). This does not reduce the enthusiasm of students in learning, although online learning is less effective in accordance with face-to-face learning at school.

Learning is a process of interaction that occurs between educators and students (Albalawi dkk., 2020; Jabreel & Moreno, 2019; Yi & Liu, 2020). Without good interaction between educators and students, the learning objectives cannot be achieved properly (Bock dkk., 2018; Piłkarska & Klímová, 2020; Rosenberg & S. C. Asterhan,
Therefore, in the teaching and learning process, good communication is needed so that the atmosphere in learning activities can be fun. In addition to good communication, educators also need the help of technology (Debnath dkk., 2021; Podlewska & Kafel, 2018; Shamantha dkk., 2019). So that with the help of this technology, student achievement in learning can increase. Educators can also find out the extent of student understanding in understanding learning materials at school. At this time the role of the teacher is very necessary in learning.

Learning is a change in student behavior or student performance. The existence of these changes will have an impact on the student's own personal self and even have an impact on the surrounding environment (Kirn & Benson, 2018; Kukulska-Hulme & Viberg, 2018; Montero Perez dkk., 2018). Learning is indeed aimed at bringing changes to the student's personal self, so that with this student learning, the student has knowledge. Learning knows no age limit at this time (Mahler dkk., 2018; Swidan dkk., 2018; Wang dkk., 2020). Demanding knowledge is not difficult at this time, because it has been facilitated by technology. For example, in the teaching and learning process, which previously did not use technology and now uses technology (Pujadas & Muñoz, 2019; Unsworth & Mills, 2020; Walther dkk., 2020). So that with the help of this technology it can facilitate educators in the learning process in teaching. The use of technology in learning can attract students' enthusiasm in learning, especially in the subject of Al-Qur'an Hadith.

Learning Al-Qur'an Hadith is part of learning Islamic Religious Education. This subject is very useful for students. One of the benefits is that students can read, memorize, write and understand the meaning and content contained in the verse or hadith. Learning Al-Qur'an Hadith is very fun especially with the help of technology. The existence of this technology can support student achievement in learning. Using technology in learning definitely makes students more eager to learn. Without educators using technological assistance in learning, of course learning, especially in the subject of Al-Qur'an Hadith, does not progress. Technology at this time if it is not utilized properly, especially in learning Al-Qur'an Hadith, will also have an impact on student achievement in learning. Although there is progress in education today, the role of the teacher as an educator is also needed.

There are several relevant studies related to this research, such as (Scherer dkk., 2019) about technology in the learning process in class teachers can use the technology. The results of this study indicate that with the help of technology during Al-Qur'an Hadith learning can improve student achievement in learning. Since the presence of Covid-19, learning at school has been transferred online (Javaid dkk., 2020). The result of the research is that in learning at school educators and students really need technology that can help in the learning process. According to (König dkk., 2020) said that the impact of Covid-19 is that educators and students must carry out online learning. The resulting impact of online learning is that learning becomes less effective, thus making students lazy in learning. After Covid-19 was reduced, the government issued a new regulation that learning was carried out by Blended
Learning (Dziuban dkk., 2018). Blended learning results are less effective if educators and students do not take the learning process seriously. The use of technology according to (Dwivedi dkk., 2020) who said that educators and students must know how to use the technology in learning. The impact felt if educators and students are not good at utilizing the technology is that the objectives of learning will not be achieved. According to (Theobald dkk., 2020) said that online learning does have a lot of impacts in the world of education today, such as teachers who pay less attention to the development of their students in learning. The result that will be felt by students is that student achievement in learning will decrease and even students are not enthusiastic about learning.

The purpose of this research is to find out the extent to which the improvement of student achievement in learning Al-Qur'an Hadith with the help of technology. This research can find out how to improve student achievement in learning. The existence of assistance from technology has an impact on student achievement. One of them is the increase in student achievement in learning Al-Qur'an Hadith. So that with the emergence of this technology in the world of education is very helpful in the world of education. Sometimes students experience problems in using the technology, so it is the educator who helps and guides these students in using technology. Students who have been able to utilize the technology in learning, then the student has the right to teach his friends. After the researcher conducted the study, assistance by using technology in learning Al-Qur'an Hadith had a huge impact on student achievement in understanding the lesson.

**RESEARCH METHODOLOGY**

This research method is using a quantitative method with a survey model and in-depth interviews with one of the teachers (Bryant dkk., 2019; Kaya & Bilge, 2019). The survey model used is in line with the research objectives, namely to obtain and analyze data related to improving student achievement in learning Al-Qur'an Hadith with the help of technology. In-depth interviews were conducted to obtain clarity of data from one of the teachers in the Al-Qur'an Hadith subject related to the problem of improving student achievement in learning. This research was conducted at Madrasah Aliyah Negeri 2 Payakumbuh in odd semester learning in 2022. The reason for choosing this time is because the current learning process is no longer done online and teachers can conclude related to student achievement in learning with the help of technology.

The results of this study were sourced from one of the teachers at Madrasah Aliyah Negeri 2 Payakumbuh by filling out a questionnaire on Google Form (Bora dkk., 2021; McGrew dkk., 2018). This technique was chosen to make it easier for teachers in the research subject. The results obtained from this technique were 10 teachers who had filled in the google form link that had been distributed by the researcher. Judging from the results of filling out the questionnaire, it turns out that the teacher at Madrasah Aliyah Negeri 2 Payakumbuh has filled out the questionnaire. This research is aimed at Al-Qur'an Hadith subject teachers at Madrasah Aliyah Negeri 2 Payakumbuh, so that
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Researchers can find out about improving student achievement in learning Al-Qur'an Hadith with the help of technology at school.

The data of this study were collected with a survey model, namely the researcher made questions related to the utilization of technology in learning Al-Qur'an Hadith (Kim, 2018; Yu dkk., 2018). The question was made by researchers through google form, then the google form link was distributed by researchers to Madrasah Aliyah Negeri 2 Payakumbuh school. The questionnaire that has been distributed by the researcher is filled in by the Al-Qur'an Hadith subject teacher. Some of the questions presented by researchers in the google form are related to the use of technology in learning. After that, the researcher conducted an in-depth interview with one of the Al-Qur'an Hadith subject teachers who used technology in learning at Madrasah Aliyah Negeri 2 Payakumbuh. The questions given by the researcher were answered briefly, concisely, and clearly so that the researcher could draw conclusions in the use of technology in learning Al-Qur'an Hadith.

Researchers have collected data quantitatively, namely researchers can find out the percentage on each question in a survey to Al-Qur'an Hadith subject teachers at school. The percentage presented is then described by the researcher through the words of the researcher himself and the opinions of experts and even accompanied by relevant research. So that researchers can draw conclusions from the data obtained either through surveys or in-depth interviews. The existence of this data can assist researchers in making conclusions in the results of the discussion. The data obtained by the researcher is indeed very necessary.

RESULT AND DISCUSSION

Researchers have conducted a survey at Madrasah Aliyah Negeri 2 Payakumbuh by distributing google form links to teachers and students. Especially to the Al-Qur'an Hadith subject teacher. The results that researchers have received are 10 people who have filled in the google form link. Researchers can conclude that technology in learning Al-Qur'an Hadith at Madrasah Aliyah Negeri 2 Payakumbuh can improve student achievement. Since the existence of Covid-19, learning has been carried out with the help of technology. The benefits of technology in learning Al-Qur'an Hadith are that it can facilitate teachers and students at Madrasah Aliyah Negeri 2 Payakumbuh in the teaching and learning process and can increase students' enthusiasm for learning, so that students do not feel bored in learning. The technology can bring changes to learning in schools. In addition, technology also has a negative impact on learning, such as students who misuse the technology other than for learning. The facilities at Madrasah Aliyah Negeri 2 Payakumbuh are very supportive in using technology.

Table 1 Research Results at Madrasah Aliyah Negeri 2 Payakumbuh

<table>
<thead>
<tr>
<th>No.</th>
<th>Question</th>
<th>Percentage of answers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Do you know about technology?</td>
<td>100% know</td>
<td>All teachers are familiar with technology</td>
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<td>2.</td>
<td>50% use, 20% highly use, and 30% moderately use</td>
<td>Five teachers use technology, two teachers use it very much, and three teachers use it moderately.</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Did your school use technological assistance in learning Al-Qur'an Hadith during the Covid-19 pandemic until now?</td>
<td>There are five teachers who agree and six other teachers strongly agree to the use of technology in learning.</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>50% agree and 60% strongly agree</td>
<td>There are four teachers who agree, three teachers understand very well, two teachers understand moderately, and one other teacher does not understand how to use the technology in learning.</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Do you agree with the assistance of technology during learning?</td>
<td>There are four students who understand, three students understand very well, two students understand enough, and one other student does not understand how to use the technology in learning.</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td>There were four people who said it was useful, five people said it was very useful, and one other person said it was quite useful.</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Do you understand how to use the technology in learning?</td>
<td>There were five people who said it was supportive, four people said it was very supportive, and one other person said it was quite supportive.</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>40% useful,</td>
<td>Everyone said that</td>
<td></td>
</tr>
</tbody>
</table>
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| 50% very useful, and 10% quite useful | technology is very useful in learning and can support student achievement in learning |

The purpose of making the table above is to find out how many people have filled in the google form link that the researcher has distributed. After the google form link is distributed, researchers can find out how the use of technology in learning, especially in learning Al-Qur'an Hadith. The google form link has been distributed to teachers and students at Madrasah Aliyah Negeri 2 Payakumbuh. There are ten people who have filled in the google form link. The following is an explanation of the table above. There are ten people who say that the teacher knows technology.

The use of technological assistance in learning Al-Qur'an Hadith, there are five teachers who say they use it, two teachers say they really use it, and three teachers use technology in learning. There were five people who said they agreed and six other people said they strongly agreed that there was help from technology when learning. In addition, there are four teachers who understand how to use technology, three teachers understand very well, two teachers understand quite well, and one person does not understand how to use technology in learning. There are four students who understand the use of technology in learning, three people understand very well, two people understand very well, and one person does not understand.

There were four people who said technology in learning was useful, five people said it was very useful, and one person said it was quite useful. In addition, five people said it could support students' enthusiasm in learning, four people said it was very supportive, and one person said it was enough to support students' enthusiasm. The benefits of technology in learning Al-Qur'an Hadith were as many as ten people said it was very useful.

Humans at this time are very dependent on technology, especially in the world of education. The presence of technology in education will have an impact on the progress and development of education. Technology can also influence the times. One of the influences is that many people misuse the technology, so that it can lead to a bad environment. The development of technology in the learning process needs to be paid attention to again by the teacher, so that students do not misuse technology. Today's society has all used technology such as the use of smartphones. The use of technology in this era does not look at age, even small children can use smartphones.

Technology in the teaching and learning process is very helpful in finding learning materials. In education units, this technology must be utilized by teachers and students. The presence of technology in the midst of learning can support students' enthusiasm in learning. Before the presence of technology in learning, the goals to be achieved in the education unit are less effective. In using technology, many people are constrained in network problems, thus making the technology less developed in education units. The way to overcome these obstacles is that the government must
facilitate these shortcomings, so that these obstacles do not continue in the education unit.

The way teachers deal with students who do not understand how to use the technology is that teachers must guide these students properly. If there are still students who do not understand technology, then the people around them must be able to help them, so that these students are not left behind from their friends in learning. All problems that exist in students can be overcome properly. In addition, teachers must also be able to use technology, so that learning can be done well. This technology will not affect the development of education as long as students do not misuse it. The effects of the misuse of technology will be seen in the development of students in learning.

Learning is a reciprocal relationship between teachers and students. The interaction that occurs in learning is determined by the activeness of the teacher and students. For example, interactions that occur in the learning process such as teachers delivering material and students listening to it with good. The interaction will create a pleasant learning atmosphere. In the learning process, if there is poor interaction, it will have an impact on the learning process. The main purpose of learning is to create an active, effective, and fun learning atmosphere. If everything has been done well, then there are no more students who are lazy in learning.

The interaction that occurs in the learning process depends on both parties. If the interaction is good, it will produce good results too, but if the interaction does not occur, it will be difficult in the learning process. Good communication must be applied in education so that the objectives are clear. Learning at this time is less effective, because the interaction of the two parties is less intertwined. How to establish a good relationship is that the teacher must do various ways when learning takes place that make students interested in learning. The impact of these interactions will be felt by educators and students. A good relationship will support student activeness in learning.

Students in the learning process must be required to be active, so that learning feels fun. If all students participate in learning, student achievement in learning will increase, especially with today's technology. The teacher in providing learning material to students must also be conveyed clearly, so that students do not float in receiving the material. Teachers must also be able to attract students' attention in the learning process so that students do not feel bored in learning. Learning will feel comfortable if it is carried out with something fun. Students' understanding in mastering the material is certainly different, some are fast and some are slow. Students who are slow in understanding the material must be guided and not ostracized, because it will have an impact on the students themselves.

Teachers at school will definitely face different student attitudes. Therefore, teachers must be patient in dealing with all student behavior. If a student is found to be disobedient to the rules given by the teacher, then the teacher has the right to punish the student. The task of the teacher besides teaching is also to shape the character of students. No matter how high a person's education is but his attitude and manners are lacking it means nothing in someone's eyes. In learning the teacher also has the right to
instill rules to students who violate. Most of today's students when reprimanded by the teacher, the student immediately reports to the parents. If you find students like that, of course the objectives of the learning are not achieved.

How to improve student achievement in learning is that a teacher must know how to create a conducive learning atmosphere. Especially at this time everything is very sophisticated. For example, since the existence of technology in learning is very impactful on student achievement. In the past, the use of technology in learning was not allowed because it could interfere with students' focus on learning. Educators used to prohibit students from bringing smartphones to school, because it could interfere with the learning process. Since the emergence of Covid-19, all levels of education are allowed to use technology.

The impact of using technology is very much. One of them is that it can bring changes to the learning process and can improve student achievement in learning. This impact will be felt by teachers and students themselves. Student achievement in learning will increase if learning is carried out in a fun way. If students in learning can follow the learning well and can follow all the rules that exist in the learning, then the atmosphere in learning will create itself. Student achievement in learning will be seen in how the student follows the learning. If the learning is followed seriously by students, it will produce good results. Besides the positive impact of technology, technology also has a negative impact. Among the negative impacts of technology is that students often forget time, such as in playing online games. Most students if they have played online games can spend hours even up to a full day if no one binds and reprimands them, thus making the student negligent in learning. If the problem is not resolved immediately, the impact will affect learning. The role of the teacher in overcoming such student problems is that the teacher must limit the use of technology in learning, so that student achievement in learning does not decrease.

The next negative impact felt by students is that students will easily fall into bad things, such as students watching pornography so that they don't want to go to school. If the student's mind is already negative then the student does not want to study anymore. With the existence of these negative displays and videos, it will be easy for students to get into trouble.

contaminate students' minds. If it has been contaminated, then automatically the student's enthusiasm for learning will decrease and it will be difficult to restore it. Students tend to really enjoy the negative content and the memories of what they have watched continue to spin in their minds and make them increasingly unfocused in any case.

Despite all the negative and positive impacts that come from this technology, it cannot be denied that technology remains the most important thing in human life today and cannot be separated. Humans need technology, and vice versa, technology needs humans. In order to benefit from the existing and developing technology today, it is necessary to take action from humans themselves to cover and eliminate the negative impacts that exist with the positive impacts of technology that are further developed in
educational activities. How to develop these positive impacts is of course by trying as much as possible to keep and stay away from negative influences so as not to be exposed to negative impacts as well.

**CONCLUSION**

Learning Al-Qur'an Hadith with the help of technology to improve student achievement in learning is very supportive. The emergence of technology in the midst of the learning process is very helpful in the teaching and learning process. Without technology in the world of education, of course education is not well achieved. Technology has a positive impact on the learning process. For example, with the existence of technology, students' enthusiasm for learning increases so that student achievement in learning increases. In addition to the positive impact of technology, there are also negative impacts of the emergence of technology such as students being negligent in learning so that student achievement decreases. The way to overcome students like that is that teachers and parents must pay attention to students in the use of technology, so that students do not fall into a bad environment.

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