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# SAIZU INTERNATIONAL CONFERENCE ON TRANSDISCIPLINARY RELIGIOUS STUDIES (SAIZU ICON-TREES)

ISSN 2964-5859, 2022, Pages 48-55

DOI: <https://doi.org/10.24090/icontrees.2022.228>

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## Proceeding of 2<sup>nd</sup> Internasional Conference on Strengthening Religious Values on Transdisciplinary Studies in Modern Technology Era

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### Utilization of Digital Learning Media in Islamic Education to Increase Literacy and Innovation in the Era of Modern Technology

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**Abstract:** With the advancement of the times, all activities are very close to technology, especially young people who are not separated from technological activity patterns. The pattern of activity in the sense that can provide benefits and global competitiveness in the era of Modern Technology, this can be implemented by utilizing Digital Learning Media in developing Islamic education to increase literacy and innovation in the era of modern technology or can be known as society 5.0, seeing the lack of literacy among youth, low literacy makes it difficult to innovate in the era of revolution so that intellectual power will not be honed and unable to globally competitive. The purpose of this study is to find out the innovation of digital learning media in developing Islamic Education and forming a young generation who intellectually innovate high through digital literacy. The method used by researchers in this study is to use qualitative research. The analysis method used is a qualitative descriptive method. This idea describes the concentration of digital learning media in developing Islamic Education to improve digital literacy in the era of modern technology. The results showed that: Digital learning media innovation is very appropriate as a way to develop Islamic Education and form a young generation of intellectuals who can compete globally in bringing up new innovations in the form of a digital library-based digital literacy web.

**Keywords:** *digital learning media; islamic education; literacy and innovation; modern technology*

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#### A. INTRODUCTION

The rapid progress of the times in the modern era makes the pattern of activity closer to technology, (Karnadi, 2022) this condition makes technological activities must be considered as well as possible, especially in the world of education. (Rahayu et al., 2019) The activity pattern in question is a positive habit in terms of literacy, seeing that there is very little literacy among youth,

requires adjustments in terms of the habits of young people who are very strong in interaction with technology. Digital literacy that is implemented in the form of digital learning media is very appropriate to be applied. As in the use of digital-based media, students are happy and not bored. (Garini et al., 2020).

In coloring the rapid pace of modern technology, of course, it is the demand of the



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times and the academic demands of the world of education to bring out innovations in maintaining the progress of the times. One of them is that the use of digital learning media is very appropriate to be applied because it will have a positive impact, especially in increasing the digital literacy of students. This condition can be said to be appropriate because based on the benchmark of the activities of the younger generation, there is a lot of interaction in digital media or technology, however, there is very little direct interaction such as reading in the library or other offline reading materials, this is certainly an important point in increasing Student Literacy. In addition, with the rapid advancement of technology, of course, students need the latest innovations in supporting learning. As in the use of advances in the modern technological era through digital media to innovate and create. (Mansir et al., 2020)

The maintenance of the progress of the times in the era of modern technology makes the biggest challenge. However, it has a positive impact on educational institutions. Because it will provide a new breakthrough in terms of digital-based learning media. This is in line with technological advances in the 21st century which require educators to be able to adapt in the era of modern technology, (Fahyuni et al., 2020) in the sense of adapting based on innovation through a culture of digital literacy.

The use of digital learning media in maintaining the progress of the times in the modern technological era is considered appropriate because it is in accordance with the reality of young generi activities that are not far from technology, if the approach of maintaining the progress of the times through other things can be said to be incompatible with existing problems. This is as in previous research which said that Indonesia has entered a new chapter in the era of the industrial revolution 4.0 which is marked by the advancement of the

development of digital-based information and communication technology which is useful for supporting the learning process, especially Islamic Religious Education (PAI) through the use of e-learning with a blended-learning system (Ratnawati & Werdiningsih, 2020). Experts argue e-learning media is part of the online learning experience of students in college (Robert A. Ellis Et al 2009). So that this will be a good development for Islamic education, namely improving the quality of learning through the use of educational technology, namely by innovating and utilizing access to knowledge and providing quality education in the application of high-tech and high touch approach (Hasibuan, 2016). The younger generation who existed in the same era on average were concerned with education and had a weak tendency to innovate because of the low literacy. This makes it necessary to apply new innovations in the form of media such as the use of ICT in learning always has a good impact on the learning process, because the learning process becomes more optimal, for example during presentations and in education personnel in teaching (Sulaeman et al., 2020).

This research has similarities with previous studies. The similarity is that previous studies lie in the use of media in the advancement of modern technology, while the difference is that this study relates the use of media in the context of digital literacy as a support for innovation. The position of this research among previous researchers is to complement the findings in terms of the use of digital learning media. The purpose of this study is as an effort by researchers to complement the shortcomings in previous research that discussed the use of media in the era of modern technology as a support in the world of education. Future investments that need to be considered are by utilizing technological media as a support for learning in the school environment (Nurdin,

2016), as this is in line with this research and is expected to provide positive things, especially for the world of education for both teachers and students.

Based on the results of the research and background problems that have been presented, the author is very interested in conducting research related to the Use of Digital Learning Media in Islamic Education to improve literacy and how to innovate in the modern technological era.

## **B. MATERIALS AND METHOD**

The method used is a literature study using qualitative-descriptive research designs to describe, explain, and revealing what was obtained at the time of research (Anggito and Setiawan, 2018: 55). Data analysis uses Miles and Huberman data analysis techniques, digging and reviewing data until obtaining saturated data, which is carried out by collecting all data, then reducing data, presenting data and making conclusions.

## **C. RESULT AND DISCUSSIONS**

### **1. Media Digital Learning**

Digital Learning media is a media used based on technology in supporting learning that is in line with the times and in accordance with the interests of students. The advancement of the times of increasingly rapid information technology and the internet today has resulted in very abundant digital information resources (Kurnianingsih, Rosini, & Ismayati, 2017: 62). The use of technology in the world of education in the modern era certainly has differences in its form and will continue to develop and advance and be quite varied so that new more sophisticated innovations will emerge in the future (Muhammad Hasan Baidlawie, 2018). As in this study, utilizing media to help

learning, one of which is the use of digital learning media. The application of digital learning media is considered important because it can provide positive things in maintaining the progress of the times, one of which makes the importance of applying or utilizing technology in aspects of life such as the school environment. Other things that we already know that the interaction in modern times is average with digital, as in the world of education, namely with the invention of the digital school system to make a reform mechanism for transforming teacher practices and to actualize digital learning, transforming school capacity into an internet-based form so that real-life learning can be improved beyond the existing time and space. As in the present there is a phenomenon of disruptive innovation that results in the functional of the profession being lost because it is replaced by machines (Amirudin, 2019). This makes it necessary to have an update to follow up on this. Especially in the world of education, it can be used to help the learning process, such as the creation of new innovations in the form of digital learning media which are used as digital-based teaching materials. In terms of the use of Digital Learning Media, of course, it is very related to technology, as in this study is related to the problem of lack of offline interaction in libraries, of course, the advice offered is to utilize Digital Learning Media in the form of digital library-based web literacy as a form of creating new innovations in the era of society 5.0, especially in the world of education today.

In previous research, it also discussed the use of Digital Learning Media, which is also applied, in other words, in general, the creation of an atmosphere through Digital School. The

use of information technology can be useful in supporting learning that can be done in various ways such as the development of learning media to the use of the internet in the implementation of learning (Nuryana, 2019). Digital school or Digital school is a way to renew which initially the school did not implement digital-based learning but with innovation it will become an internet-based digital component, through sophisticated instruments. With this, it can include all information in the school area, for example, the availability of facilities, banking, canteens, and transportation schedules available), resources in the form of materials (learning modules, books), and school activities (how to learn, teach, governance and administrative services). (Bmida et al., 2021)

## **2. Islamic Education**

Islamic education is a series of teaching with religious nuances, as in religious education that contains an integral Islamic approach or Islamic education system (Feisal, 1995). The cultivation of Islamic values in modern times is very important. This is because advances in Information and Communication Technology have encouraged changes (Nuryana, 2019). Reflecting on the past the cultivation of Islamic values only exists in the real world, it is inevitable that today the cultivation of religious values is not only in the real world but also important to be applied in cyberspace such as social media. The adjustment of human activities to the times is indeed something that needs to be applied. As in coloring technological advances in the world of education instilling Islamic values through the intermediary of learning media. The development of science and in the field of technology

provides a positive impact on the world of education, such as being used as a learning medium (Mailani, 2019). Educational media has a very important role in learning, especially during a pandemic, learning cannot be done face-to-face but is carried out through online learning / e-learning as an effective learning method or way during the Covid-19 period (Desak Made Sri Mardani & I Wayan Sadyana, 2022).

Combining technological advances with the importance of instilling Islamic character in students is a very good step, namely by applying digital learning media. The interaction of students is no longer limited by time and space but it is necessary to adapt to the development of technology and information in the world of education (Sulaeman et al., 2020). In addition, teachers must also always adjust to the development of types and forms of learning media, so that their use in the learning process is more optimal (Wahidin, 2018). The adaptation or adjustment in question is that there need to be adjustments for teachers in applying the media that will be used as learning media. With this applied by the teacher, the teacher will be said to have professional abilities as seen from mastering learning media to create an active and effective learning atmosphere (Nu'man, 2013).

## **3. Literacy and Innovation in the Era of Modern Technology**

Literacy is the ability to know various forms of different media and understand the purpose of their use (Wahidin, 2018). In understanding the purpose of use, it is intended that the use of media can be useful by its function, such as being used as a support for learning. The rapid development and advancement of information and communication

technology have spurred various educational institutions to utilize e-learning systems to improve learning. (Setiyani, 2020). This can be applied by teachers as users of learning media in the sense of following the development of types and forms of learning media, to achieve optimal implementation in learning (Wahidin, 2018). The professional ability of a teacher is tested by the ability to master various methods of learning that are useful in improving the level and learning of students to invite students to learn actively (Nu'man, 2013). Student activity certainly cannot be separated from the role of teachers in creating effective and efficient learning as we already know in schools today, not only fixated on books sourced in school libraries. However, it has implemented digital-based. As technology develops today it has spread into aspects of life. With the involvement of technological advances in the modern era, it will certainly make it a challenge for teachers to try to become professional teachers, namely being able to apply digital-based media in the embodiment of maintaining the progress of the times by utilizing digital media. The selection of digital media is considered appropriate because it is in accordance with advances in the field of technology, and will provide new breakthroughs in solving literacy that is minimally habituated, due to the competition between technological advances and literacy habits.

Literacy Culture is very important to be applied and must be paid attention to by the school because as the times increase, intellectual power also needs to be honed as sharply as possible. A person's level of literacy will affect intellectual power and speech power, this can be realized because literacy culture will lead to the power of analysis

and the existence of research into the intended thing, then automatically filter before sharing. Literacy habits will also increase a person's speech power, because it will improve intellectuals in terms of mastering knowledge that has been read and understood, especially in facing the 5.0 era, it is very important to prepare superior human resources, have global competitiveness to welcome the golden generation of 2045.

Research on the Use of Digital Learning Media in developing education and improving literacy in the era of the society 5.0 revolution is a very useful thing, especially in increasing creativity and innovation, not just being written but can be done thoroughly. In the process of learning PAI in schools, the use of e-learning as a learning medium is still rarely found. This happens because it is influenced by the incompleteness of learning media facilities and there are still teachers who do not understand the media, so they cannot implement it in the learning process (Ramdani et al., 2018). The proper concentration of Digital Learning Media can bring more vigorous learning, and the creation of new innovations that will give birth to accurate learning. Such as the use of digital learning media as Literacy media through the innovation of digital library-based literacy web.

#### **4. Utilization of Digital Learning Media in Islamic Education to Increase Literacy and Innovation in the Era of Modern Technology**

The use of media as a path for digital learning media innovation is very appropriate as a way to develop Islamic Education and form a younger generation of intellectuals through digital literacy, who can compete globally in bringing up innovations in the form of the Web. Web-based

learning is the activity of utilizing a website that can be accessed through the internet network and can be accessed anytime and anywhere (Almah et al., 2020). The use of e-learning media in the learning process is an effort to improve the effectiveness and quality of learning activities in lectures as well as improve the quality of student lecture achievement (Ihwanah &Elhefni, 2021). In improving the quality of learning and student achievement, of course, there is a need for innovation in the learning process, namely in Islamic religious education, with the application of this, a generation will be formed that innovates to have good faith and experience by students towards religious learning in the scope of Islamic education (Rachmawati &Rusydiyah, 2020).

#### **D. CUNCLUSION**

Digital Learning Media is a medium used to develop education through learning innovations, the development of digital learning media, especially in the world of education, is very important to be applied, such as by utilizing digital learning media an increase student literacy. To realize this, namely by creating an innovation in digital library-based web literacy learning.

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