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# **Use of Online Websites as Interactive Learning Media in Moral Creed Lessons**

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#### **ABSTRACT**

**Background.** The world of the internet is developing very rapidly in this era, in the world of education this technological device is really needed, the use of the internet is closely related to the world of education in the learning process, so that educational institutions have high enthusiasm for developing the use of technology in learning activities.

**Purpose.** The aim of this research is to explain how to use online websites as an interactive learning medium for learning material on moral beliefs.

**Method.** The research method used by researchers is a quantitative method, namely survey model, interviews via the Google Meet application and via Google Form.

**Results.** The results of this research are to increase students' enthusiasm for learning in the use of learning media and increase students' motivation in learning.

**Conclusion**. The limitations of this research are that the researcher developed an online website platform as a medium and also a learning resource in a district level school and as a tool to motivate and improve learning achievement. students, therefore future researchers can carry out the same research but developed it for several schools across provinces in Indonesia.

#### **KEYWORDS**

Interactive Learning, Learning Media, Online Website

#### INTRODUCTION

In the current 5.0 era, technological development is something that is no longer foreign, especially for generation Z, generation Z was born in an era that has sophisticated technology that is able to change various aspects both from a thinking perspective and from creativity.(Machado et al., 2020; Sengers et al., 2019). With the development of technology, it has many positive and negative impacts both in daily life and especially in the education sector. With the development of the times, it cannot be denied that technology is also experiencing very rapid development, in the education sector technology has a very big influence on the teaching and learning process in schools.(Calina et al., 2020; Müller et al., 2018). With the availability of various platforms, it provides a new color in the world of education, which makes learning media less monotonous and able to create a conducive atmosphere and

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arouse student motivation in learning.(Jamun, 2018). At this time, teachers are required to be technologically literate and be able to combine technology in providing knowledge transfer to students

After the Covid-19 pandemic occurred, many sectors were affected by the outbreak, one of which was education(Handarini & Wulandari, 2020). Learning which is usually carried out face-to-face between educators and students is now forced to be carried out online. This change often creates a culture shock for students and even teachers.(Rachmat & Krisnadi, 2020). Like it or not, you have to be able to apply various technologies in order to keep the learning process running(Bruggeman et al., 2021; Huang & Liaw, 2018). In fact, education is an effort carried out not only by teachers but also by various school elements who strive to improve and change mindsets to become more developed and advanced without forgetting the character values of a nation.(Holmlund et al., 2018). With education, life will be directed and more meaningful and will enable someone to think critically. So that education can develop and progress, it is not only the responsibility of teachers, but also a shared responsibility of various sectors, both formal and nonformal. All elements of the nation should be involved in the process of developing and advancing education both in terms of the curriculum which must be modified again to keep up with current developments in the 5.0 era.

The presence of technology in the process of educational development means that the goals of education will be achieved optimally both in honing students' feelings, intentions and work in the learning process. (Jiang et al., 2019; Pejic-Bach et al., 2020; Zhang et al., 2018). Education by utilizing technology will create more passionate learning and will be able to increase the interest of students as generation Z who are already technology literate. (Q. Min et al., 2019; Panigrahi et al., 2018; P. Wang et al., 2018). The aim of education is perfection in thinking that adheres to values and norms and makes life more meaningful and able to innovate and be creative with the times, making students able to think rationally and have noble morals. (Nugraha, 2018). Education also has the aim of making the nation's life more intelligent, developing Human Resources (HR) optimally, as well as providing learning and experience for individuals in developing their potential.

With the rapid development of technology which also has an impact on education, there are many platforms that can be used to support the educational process, one of which can be used is online websites. (Goralski & Tan, 2020) (Ahsyar & Afani, 2019; Sukhwani et al., 2020). *Online website* is one of the media that can be used in the world of education to input various information and can also be used easily in accessing which will help students more easily find various literature related to learning which conventionally can only be accessed on a limited basis, such as in libraries which are considered less effective. and also efficient in terms of time utilization(; Susanti, 2021). However, as users of online websites, individuals are also required to be selective in using or searching for valid information and not become victims of hoaxes that often occur. So, as students, we are required to be critical in utilizing online websites in looking for various sources of information that can be used as references in the learning process(Sukhwani et al., 2020). With a more varied online website appearance, it will make students comfortable and reduce the hassle of accessing and reading various literature available on the online website.

Online Websitewill provide convenience, especially for students, in finding various sources of information that can be utilized to support the educational process, where perhaps in the previous era the source of information focused only on teachers as stated in the KTSP curriculum, but with the existence of KURTILAS and Merdeka Belajar, it provides the widest p

ossible platform for students and the educational process is no longer centered on teachers but on students (student center learning). The way that students can use and understand when using

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online websites is by paying attention to the source or the validity of the website that will be used as a reference. Then students are also taught to be able to think critically and rationally when using online websites where various information is provided up to date. Having an online website will have an impact not only on teachers and students but also on alumni and the wider community with convenience that is not limited by space and time.

With the existence of online websites as a result of technological developments, it will increasingly provide the widest possible platform for users to update various information and literature which can be used as a reference in enriching knowledge and also in viewing things or events from various points of view.(Caputo et al., 2022, 2022) (Zahara, 2018). Submitting information via online websites is also very efficient in terms of time utilization, it doesn't take a long time to obtain the desired information. The existence of online websites increasingly provides benefits in the world of education in disseminating the latest information to students. The information on online websites is always up to date so that users are not left out of date in obtaining information which makes online websites very popular with users such as students in the educational process.

Online websitecan be used as a learning medium, namely interactive learning media(Darmaji et al., 2019; Neogi et al., 2021; Nilashi et al., 2019). Learning media is a tool that can be used by educators to disseminate information related to learning material(Pun & Macaro, 2019; Yanto, 2019). Media will be used as a tool for teachers to facilitate the delivery of material to students and can be used by students to understand learning easily.(Afendi, 2019). The function of learning media is to facilitate the transfer of learning material from teachers to students. Meanwhile, what is meant by interactive learning media is a learning tool as something that has an attraction for its users, thereby motivating students to use the media.(Al-Jenaibi & AlKandari, 2021; Delello et al., 2018). This media will have a reciprocal influence on each other, as well as make it easier to understand information and deliver learning material

Interactive learning media will provide greater enthusiasm and curiosity to students in the learning process. Interactive learning media will encourage and motivate students to participate in learning with variations in the delivery of material(Adams et al., 2018; McCutcheon et al., 2018; Moghavvemi et al., 2018). With this innovation, it will have an impact on student learning outcomes which will increase as one of the results of media development carried out by learning teachers.(Rustandi & Mauliana, 2020). Students will feel challenged to utilize interactive media as a tool used to make it easier for students to understand various learning materials(Ayele, 2020; Chemsi et al., 2019; Solikah, 2020). Teaching and learning activities in the classroom that are innovative and keep up with current developments will motivate students to better understand the teaching materials distributed by the teacher in the classroom. Interactive learning media is one way that teachers package various learning media to create students' interest in learning

Interactive learning media can be used as a solution in learning moral beliefs (Andrean & Niam, 2020). Good media is characterized by students' enthusiasm in using the media, one of which is learning moral beliefs(Iqbal & Campbell, 2021; Mangeya, 2019; Sharma et al., 2022). Moral beliefs are learning that provides material related to good and commendable behavior and behavior that every human being should have.(Conard, 2019; Dai & Wang, 2019; Wei et al., 2018). Learning moral beliefs will equip students to avoid all kinds of actions that violate values and norms(Brownlee et al., 2018; Keijzer et al., 2020; Salin et al., 2020). The factors that cause the erosion of morals are the lack of awareness that students have of the importance of learning moral beliefs as well as peer factors, students' social interactions and inappropriate use of social media which will be factors that result in moral beliefs being eroded in each individual.(Chirico et al.,

2021; Wight, 2019). With interactive learning, it is hoped that learning about moral beliefs will be packaged in an interesting way so that students are motivated and interested in learning it

The aim of this research is to find out how effective the use of online websites is as a learning medium. To find out the advantages and disadvantages of online websites in learning. There are several obstacles in using online websites, namely quotas held by students, lack of network stability and minimal socialization regarding the use of online websites in interactive learning. Using media will provide stimulus and motivate students to participate in the learning process in class. so that the learning climate will feel interesting with the use of technology. Researchers will discuss the use of online websites as interactive learning media in moral belief lessons.

#### RESEARCH METHOD

The research method applied in this research is using quantitative methods, the type of research is surveys and interviews conducted via the Google Meet application and via Google Form. Survey research was used because it was in accordance with the aim of the research being carried out, namely to obtain data and carry out an analysis of the use of online websites as interactive learning media in moral belief lessons.(Huda et al., 2018; Ragini et al., 2018). This research was conducted at SMAN 7 Sijunjung. The urgency of the research carried out is that there are still students who are not yet motivated to take part in learning moral beliefs and experience difficulties in learning because the media used is still conventional.(Mohamad et al., 2018; Ray et al., 2019; Y. Wang & Herrando, 2019). The data source for this research is primary data from teachers at SMAN 7 Sijunjung who were chosen randomly.

The results obtained in this research were by collecting answers from a questionnaire that had been distributed by researchers via Google Form to teachers at SMAN 7 Sijunjung. The choice of Google Form in distributing the questionnaire was because it was easier, more effective and efficient in collecting data. The questions in the Google form contain constructs from the variables of using online websites as interactive learning media in moral belief lessons. Using this media will motivate students to be able to take part in learning about noble morals which is packaged in an attractive way using technology. The results obtained were from 10 teachers at SMAN 7 Sijunjung who filled out a questionnaire distributed via Google Form. After that, in-depth interviews were also conducted with 2 teachers via Google Meet with teachers at SMAN 7 Sijunjung in order to obtain comprehensive data regarding the use of online websites in the classroom learning process.

Techniques for collecting data are carried out using techniques *surveys*, The researcher first created a questionnaire instrument using a Google form containing related informationuse of online websites as interactive learning media in moral belief lessons. Then the Google form link containing the questionnaire was distributed to several teachers at SMAN 7 Sijunjung. The questionnaire construct contains the use of online websites as interactive learning media in moral belief lessons. Then, after the survey was conducted, the researcher continued with interviews conducted with 2 teachers via Google Meet who used online websites as interactive learning media in morals lessons. The interview was conducted in depth and comprehensively to collect data and information regarding the use of online websites in learning.

The data that has been collected is then analyzed using quantitative analysis, by looking at the percentage of each question item that has been stated in the questionnaire distributed via Google Form to several teachers. Furthermore, the results of the data which have been expressed in percentage form are described in words by the researcher in more detail, firmly and directly, made in tabular form and discussed and supported by expert opinion as well as from the results of previous research which have relevance to the research carried out. Then, in discussing the research

results, narratives and opinions from experts and research are made into conclusions from existing research. So that the results of the research carried out are valid and also in-depth in discussing the variables studied.

#### RESULTS AND DISCUSSION

Based on the results of the research which was distributed via a Google form containing a questionnaire to 10 teachers of SMAN 7 Sijunjung which had been filled out, the results were that most teachers at SMAN 7 Sijunjung already knew what an online website was and how to apply it in the teaching and learning process in the classroom. The online website is very useful which is able to provide convenience not only to teachers but also to students, it is easier for them to find various up-to-date information and is more motivated and makes it easier for students to understand the material that has been shared by the teacher regarding learning material on moral beliefs. presented with technology and innovation. By increasing students' motivation in participating in learning moral beliefs, it will have an influence on their learning outcomes. Because the application used is related to current developments and is in line with the technology-savvy generation Z. However, there are several weaknesses to this online website, namely that it must be used on a stable internet network and there is still minimal socialization of the use of online websites to students.

Table 1 Research Results at SMAN 7 Sijunjung

Question	Percentage	Information
	Answers	
Do you know about website	100% very	All teachers or school
applications?	knowledgeable	institutions really know
		what an application is
Do you and your school agree	90% strongly agree	Nine teachers or school
to use website-based	and 10% agree	institutions strongly agreed
technology?	_	and one other person
		agreed
Do you understand how to use	80% really	Eight teachers really
the website?	understand and 20%	understand how to use it
	understand	and one other person does
Do the students in your class	100% understand	All students at the school
understand how to use the		are quite familiar with
website?		using the website
Is the website useful as an	80% is very useful	Eight teachers said this
online-based learning medium?	20% useful	website was very useful in
		online learning and two
		other people thought it was
		useful in online learning
Is this website suitable for use	100% match	All school institutions say
as an online learning medium		that this website is suitable
in high school?		as online-based media

What are the benefits of this	100% said that it	All school institutions say
website?	made the learning	that this website is useful in
	process easier	the learning process
What are the shortcomings of	40% of the internet	4 teachers think that the
this website?	network to log in	weakness of this website is
	must be connected	that the network must be
	well. 60% of	good to be able to log in. 6
	discussions cannot	people think that when
	be understood	discussions are difficult to
		understand because they
		don't meet face to face

The researcher's aim in creating the table above is to collect data that has been obtained by researchers which has been distributed to several teachers in the form of a questionnaire via Google Form. After distributing the Google Form link, the teachers filled out each item in the questionnaire. The explanation from the table above is: of the ten teachers who filled out the questionnaire, data was obtained that all the teachers were very knowledgeable about online website applications. Furthermore, from the ten teachers who filled in the questionnaire link, data was obtained that nine teachers or school institutions strongly agreed with the use of website-based technology in the educational process, because it would make it easier for teachers to disseminate various information and materials to students who packed with technology, and one other teacher gave an affirmative answer regarding the use of online website-based technology in the learning process.

Of the ten teachers who filled in the questionnaire link, eight teachers gave very understanding answers regarding how to use online websites in the learning process. This provides an illustration that the teachers at SMAN 7 Sijunjung are aware of technological developments, and are open to the progress of the times which is marked by having skills and knowledge of various applications that can support the learning process, one of which is by using online websites, and two teachers provide answers that understand how to use online websites in the learning process. With this data, it can be seen that teachers are technologically literate and also have skills in operating online websites which makes it easier for teachers and students to understand various materials that may initially seem difficult and less interesting.

Of the ten teachers who gave answers, all the teachers at the school who were given the link to fill out the questionnaire were quite familiar with using the website. It can be interpreted that teachers not only know what an online website is but also have sufficient ability to use the online website, but this still needs to be improved through regular socialization and training regarding the use of the online website. Furthermore, eight teachers gave the answer that the use of online websites is very useful in online learning, which can be interpreted as online websites making learning easier that is not carried out face-to-face, and two other teachers consider online-based learning media to be useful in online learning.

Of the ten teachers who filled out the questionnaire, the results obtained were that all teachers said that online websites were suitable as online-based media, meaning that online websites were very effective for use in the online learning process. Furthermore, regarding the benefits of online websites, all teachers and school institutions answered that online websites were useful in the learning process, online-based learning media made it easier for teachers who were previously having problems when conducting online learning. Then, regarding the shortcomings of the online

website, out of ten teachers, four teachers think that the disadvantage of this online website is that the network must be stable and good to be able to log in to the website, and six teachers answered that the problem is that it is difficult at times. discussion process and difficult to understand because it is not face to face. This is a number of obstacles to the use of online website media in learning.

#### **DISCUSSION**

Online website is the latest media which is very good to use in the educational process. An online website can be defined as a combination of various web pages, each of which has a correlation in an effort to disseminate various up-to-date information, these web pages can be accessed easily by users, both teachers and students via the internet domain by utilizing one of them through web browser. Online websites have now become a necessity in every sector, not only in the education sector, but also in the wider sector, companies also use website media to provide extensive information to consumers or to the public on a massive scale and keep up with developments in trends so that online websites are very popular with various groups.

The procedure for applying an online website is very easy, so it is very suitable for use in the world of education. Because it will make it easier for students to use this media. A website has a first page known as a homepage. This homepage will direct users when they first open the web page. This homepage will provide guidelines for users to access various information contained on the website. A good website will contain a variety of content in the form of text, video, audio, diagrams, images and others that are made attractively in terms of layout, color selection, writing and other components. The website will be accessible to teachers and students via several devices, including smartphones, laptops and computers connected to the internet network, and requires a URL (Uniform Resource Locator), then users also need a web browser application to be able to open the website address to be accessed.

The epidemic that has hit the world has greatly affected various aspects of life. One impact is on the education sector. The pandemic is a challenge in itself for the world of education, especially schools. This pandemic has given rise to many new problems so that learning has experienced many changes and the quality of education has decreased. In circular No. 4 of 2020, the Minister of Education and Culture, Nadiem Makarim, stated that learning from home was implemented to provide a more meaningful learning experience for students. The government has again adjusted the guidelines for implementing learning during the Covid-19 pandemic. The presence of an online website provides opportunities and solutions for teachers to continue to carry out the learning process online by utilizing the online website to provide moral learning materials to students. So the pandemic that occurred also had a positive impact, namely requiring teachers and students to be able to upgrade themselves regarding technology.

The average use of online websites from the results of research that has been carried out has been known by teachers at SMAN 7 Sijunjung both in terms of the concept of what an online website is, how to apply an online website, the benefits, advantages and disadvantages of online websites. However, there are still some teachers who do not have a very good understanding of online websites, both in terms of concept and in terms of operating or using these online websites. So there is still a need for training and also the desire to learn autodidactically which must be carried out by these teachers. By having a good understanding by teachers of the use of online websites in the learning process, both online and offline, teachers will have the latest skills in using technology which is increasingly advanced and developing very rapidly. It is very unfortunate if you find teachers who lack motivation and desire to continue learning, because the 5.0 era is very

marked by Artificial Intelligence (AI) and is very relatable to students, namely the current Generation Z.

Technological developments must of course be balanced with improvements in human resources, especially teachers, but not only teachers must upgrade themselves, but students must also have the enthusiasm to progress and always develop enthusiasm and motivation to follow these developments. In this case, not only teachers will be provided with various trainings and seminars regarding online websites, but students as the main users must also be given training to equip their knowledge of these online websites. Both from the definition of what an online website is, how to use it, the benefits, advantages and disadvantages of online websites in learning. So, with the common perception of various components, both teachers and students, regarding online websites, enthusiasm will be created to innovate using online websites as a result of technological developments that can help make the educational process more interesting.

Students as users of online websites who have been given training and orientation regarding the use of online websites will motivate them to be technologically literate and also increase their attraction, interest and motivation to develop their potential. Motivation is very necessary in learning, one way to foster motivation in students is with innovative media, one of which is using online websites in the learning process. With a website that is created attractively, both in presenting material in the form of text, video, audio, images and diagrams, it will foster enthusiasm and a conducive climate in the learning process. This spirit is not only owned by teachers but must also be created for students, by providing outreach, providing material, holding training and seminars on the online website. With these various methods, it will create awareness among students regarding the usefulness and benefits of the online website.

Online websiteIts application is suitable in the world of education, with blended learning carried out due to the Covid-19 pandemic making online websites one of the solutions to continue providing optimal learning to students. Online websites are able to make it easy to provide the latest information that is easy to understand and also operated by various groups. Online websites are also able to improve learning outcomes for students, especially in the subject of moral beliefs, where previously the material was delivered using the lecture method which was prone to causing boredom in students. However, the presence of this online website will give new enthusiasm to students to be motivated to take part in this learning.

There are several types of websites, namely: 1) personal websites, which are used personally to create various information and also by using simple programming languages, because they are also intended only to be accessed personally, which are used to create portfolios and build a good self-image. well, 2) e-commerce websites are websites that are used by various companies or are often found in online stores, the use of websites is more commercial, 3) social media websites, namely websites that can be accessed via various applications and URLs such as Facebook, Twitter, Instagram and others. This website can be used as a forum for communicating with family, friends or the community at large.

Online websiteOf course, it has various benefits, including: 1) creating personal branding, by sharing various stories, expertise and skills, this will make the website a place to be known by the public at large, 2) sharing information, which is very useful for teaching staff to be able to use online websites. well, it can make it easier for educators to share various learning materials easily and interestingly with students. The information distributed can also always be updated according to needs. Then the online website will also make it easier for the wider public who want to find out information related to the material on the website.

Even though online websites have various advantages, there will still be disadvantages to using these websites. There are several obstacles to its use, such as requiring a good and stable signal when accessing a website, understanding, training and socialization required to provide knowledge about online websites. Furthermore, teachers must have skills in creating web pages with programming skills, which of course not all teachers have knowledge and knowledge regarding programming. With technological developments like this, it provides space for teachers and students to always continue learning and must be sensitive to the environment and also to developments in technology itself.

If the teacher is not very skilled as a programmer, there are also various platforms and tools that can be used, one of which is a website builder. It will help and make it easier for teachers to create an attractive website appearance by utilizing the drag and drop feature. By utilizing this tool, a design template has also been provided which can be used as a reference in creating a website. It can be concluded that there are many benefits and practicalities that can be used by both teachers and students by using online websites to support the educational process, which will make learning more interesting, minimizing students' boredom in learning.

#### **CONCLUSION**

Online websites one of the media that can be used in education. Online websites make it easy for teachers to provide various information and also provide interesting learning materials to students. With online websites, teachers can create interesting learning content in the form of text, video, audio, pictures and diagrams. So that material that initially feels difficult to understand can be provided in a simple and interesting way which can foster interest and will motivate students to learn the lesson, especially learning moral beliefs by utilizing interactive learning media. The Covid-19 pandemic has changed various sectors, one of which is that the education sector, which was previously conducted face-to-face, was forced to switch online. So having an online website is a solution for teachers to continue to be able to provide interesting learning material to students by using online websites effectively and efficiently. And the application of the online website is also easy compared to other platforms. How to create a website page is also easy and there are also many tools that help users to create attractive website pages by providing design templates. It can be concluded that online websites are effectively used as interactive learning media, especially in learning moral beliefs, and online websites can also foster enthusiasm and motivate students to take part in learning by utilizing technology.

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