

Effectiveness of Village Information Systems as Learning Media (in Kawengan Village)

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Article History

accepted 31/7/2023

approved 31/8/2023

published 30/9/2023

Abstract

Education is the key to developing human potential. In this digital era, the use of Village Information Systems has become one of the tools for expanding access and disseminating information to the community. In addition, the Village Information System opens up space as a learning medium in the world of education. This provides opportunities for people who previously had difficulty accessing formal education. The purpose of this study is to evaluate the effectiveness of the Village Information System as a learning media in Kawengan Village. The method used is a qualitative method with a case study approach. The determination of informants was carried out by means of interviews and document analysis to obtain data. The results of this study indicate that the Village Information System is very effective as a learning media in one of the villages in East Java. This is seen based on the focus of the research, which includes ease of access and relevant learning content, both for formal and non-formal education. The implication of this research is to develop human resources and the level of education in rural areas.

Keywords: Learning Media, Village Information System, Website

Social, Humanities, and Education Studies (SHEs): Conference Series
<https://jurnal.uns.ac.id/shes>

p-ISSN 2620-9284
e-ISSN 2620-9292



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INTRODUCTION

In recent decades, information and communication technology has undergone rapid advancements that impact various aspects of life, including education and learning. Village information systems are one form of web-based information technology that has been developed and adopted by village governments to improve the quality of services to the community. The village information system includes several parts, such as a population database, administrative data, information about public services, and other information. [1], [2]. In this digital era, education and learning have experienced a paradigm shift. Education is no longer limited to classrooms and textbooks but can be widely accessed through online platforms and technology-based applications. [3], [4]. On the other hand, the village, as the lowest level of government unit, also faces challenges in developing quality human resources. In this context, the use of village information systems as a learning medium can be an effective solution. Online learning can use digital technology as a medium for learning. Some online learning media that can be utilized include the WhatsApp Website, Google Classroom, Tuweb, Google Forms, Google Drive, Zoom Meeting, and Youtube. [5], [6]. Learning Media is anything that can be used to convey messages or information in the teaching and learning process so that it can stimulate students' attention and interest in learning.

In addition, the village information system can serve as a rich and up-to-date learning resource. Village activities, such as traditional ceremonies, social activities, and cultural events, can be accessed and used as interesting learning materials. By incorporating these materials into the curriculum, teachers can bring learning to life in a way that is more contextual and relevant to students. Students can also discuss, exchange information, and collaborate with their peers. This opens up a more dynamic and interactive learning space, enriching students' learning experiences. Given the importance of using learning media as a link in delivering information and solving problems in a series of learning activities, teachers can develop interactive learning media. [7] Students can easily find reading resources on the website. A website can be defined as a set of pages used to display text, information, images, animation, sound, or a combination of these elements. These pages form a series of interconnected pages, each of which is connected to a network of interconnected pages. [8]. There are several advantages to implementing web-based learning, namely: (1) Learning is not limited by time; (2) making it easy for students to learn independently; (3) The availability of links to make it easier for students to access learning resources to increase their knowledge; (4) the ease of finding information needed by students; and (5) Teachers can update the material very easily. [9].

Although the village information system has great potential as a learning medium in the scope of education, this research needs to be carried out by considering whether the utilization of the village information system as a learning medium has been fully effective in application and whether the content that has been contained in the village information system is relevant. To answer all these problems, the researchers conducted research on the effectiveness of the village information system as a learning media in Kawengan Village, Kedewan Sub-district, and Bojonegoro Regency. With the hope that the Village Information System can be used as a more innovative and interactive learning platform.

METHODS

This research uses a qualitative method with a case study approach and is located in Kawengan Village, Kedewan Sub-district, Bojonegoro Regency, East Java Province. A case study is a study where researchers explore a particular phenomenon (case) in a given time and activity (programme, event, process, institution, or social group) and

collect detailed and in-depth information using various data collection procedures over a period of time. [10], [11]. To collect data, researchers conducted interviews and document analysis. This research involved the village government and village community (educators and students) as participants. [12].

RESULTS AND DISCUSSIONS

The researcher aims to see the effectiveness of the village information system as a learning media in Kawengan Village, Kedewan District, Bojonegoro Regency, East Java. The following will present the research data.

Interviews are questions and answers conducted by researchers to sources related to the research being conducted. The results of the interview with the Kawengan Village Secretary, namely "The Village Information System managed by the Village Government, not only presents public services and village activities but also provides learning video content, health materials, practice questions for learning for people who want to continue their work or go to college, readings that have a positive impact on the Village Community." Interviews from several villagers showed that they were satisfied with the Village Information System, as it is easy to access and plays an important role in village education. However, there are some residents who complain about difficulties in accessing because of the internet network.

Documentation of content in the Village Information System



From the display of the Village Information System, it can be seen that the content is very useful as a learning media at the Rural level.

With the development of technology, access to learning media has become increasingly widespread. However, not all content on social networks is relevant and reliable. So that the Government innovates with the Village Information System as a relevant and reliable Learning medium. [13] [14] [15]. Changes in learning in the world of education encourage people to learn independently. Self-learning encourages a person to have a pattern of self-development based on their desire and need to continue learning and developing. [16]. This shows that innovative learning media are needed. The Village Information System is an integrated platform that provides information and data related to village activities, infrastructure, programs, and services. It can be an effective learning medium for village communities. [17] [18]. Increased use of digital technologies such as websites and digital information systems impacts the need for new skills. [19] [20].

CONCLUSION

Based on the results of the research and discussion, it shows that the application of the village information system is very effective for learning media in Kawengan Village, Kedewan District, Bojonegoro Regency. However, this study also identified several challenges in the application of the Village Information System as a learning medium, namely internet accessibility in some areas of Kawengan Village experiencing obstacles. This requires cooperation between internet service providers and the relevant government.

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