

UTILIZATION OF STUDENTS' IOT IN VIDEO-BASED MEDIA LEARNING IN IMPROVING THE QUALITY OF EDUCATION

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ABSTRACT

The alertness of teachers in a clear division of tasks, as well as good coordination can contribute to improving the quality of education. The committee's participation is as follows: holding meetings directing the program as well as involving parents in utilizing IOT to parents. The principal's strategy includes coordination, approach, and being a role model for the committee. Responsibility for the vision, mission, and goals of the school to be achieved in terms of quality of education. In addition, the principal acts as a coach and has the power to enforce the school board in any planning, implementation, and evaluation of school improvement programs. This article aimed to explain the involvement of school committees in improving the quality of IOT-based student education. The method used was a literature review, namely references from various journals totaling 10 relevant and reliable journals used to collect and analyze data. The references were taken from Google Scholar, books, internet, and applications that can be accessed online.

Keywords: *IoT, videos, quality of education*

1. INTRODUCTION

2. Education is one way to create the nation's next generation who are expected to play an important role in national development. Education can produce quality, noble individuals who can contribute actively to the progress of the nation. In accordance with the educational provisions of the National Education System Law Number 20 of 2003, it is necessary to raise awareness and interest in the importance of education for every citizen in order to achieve the above-mentioned goals: Education is a deliberate and planned effort to create a learning environment and learning process so that learners are active develop the potential for spiritual strength, religion, self-control, personality, intelligence, noble character, and skills needed by himself, society and the country (Septiana et al., 2018).

The implementation of education must run in accordance with the purpose of education, namely educating the nation's life. This is because one of the indications of the nation's progress lies in quality education, so as to be able to produce outputs that provide change for the nation. The quality of education is achieved by carrying out proper structuring and management of all components, starting from the education system starting from formal education, non-formal education, and informal education, especially the planting of student IoT. Schools as a place of learning to obtain education and knowledge, schools as educational institutions are required to make changes and developments in a sustainable manner in order

to meet the community's need for better education. The form of change that can be made is by implementing government policies, namely School-Based Management (SBM). According to Fattah (2013) in his book, School Based Management (MBS) is a practical approach that aims to redesign school management by giving power to school principals and increasing community participation in efforts to improve school performance, including teachers, students, principals, parents, and the community. Based on the above opinion, the school can determine an autonomous and flexible management model in improving the quality and quality of its education.

One way to improve the quality of education in schools is by using IOT in learning media. The focus of the discussion in this article is how to use video-based learning media to improve the quality of education.

3. LITERATURE REVIEW

3.1 Human resources

Indonesia's human resources are developed largely through technology-based education. Students should be introduced to the Internet in order to provide feedback on the use of technology for the quality of education (Sriadi, 2015). Through educational institutions both formal and informal, the government accommodates the important role of education in the technology of building IoT for students, and the development of Internet-based human resources (Sahyar et al., 2020). On a formal instructive foundation, an instructive cycle is carried out in schools. Students educated through instructions given by teachers through social networks will be more flexible in carrying out the teaching and learning process (Duff et al., 2016). According to Article I of 2003 Paragraph 20, learning is the process by which students interact with learning resources and educators in a learning environment (Mustadi et al., 2016).

3.2 Quality of Education

4. Learning in schools by educators must be carried out appropriately and with quality, so the role of teachers to build IoT through learning media in the form of visuals both YouTube, PPT and learning videos made by the teacher as a professional teacher (Afnibar & Fajhriani, 2020). Good preparation correlates with quality learning. According to Jones, success in learning largely depends on the effectiveness of planning and how well it is implemented (Mahdalena et al., 2019). This preparation includes

planning and selecting learning strategies. Planning is considered the key to learning, which can help students learn in interesting, varied, effective, and progressive ways (Nurhayati et al., 2020). Teachers can determine how students learn and develop through effective planning through learning evaluations as well as technology-based assignments (Sari et al., 2021).

4.1 Input and Output

The School Committee works closely with schools to improve the standard of education services. For a school committee to maintain its status as a school partner, it must transition into an independent entity. Based on Law No. 25 of 2000 concerning the 2000-2004 National Development Program (Propenas) and Ministerial Decree no. According to Resolution 044/U/2002, the Education Council and School Committee are bodies that adhere to the principle of togetherness, are independent and autonomous, and do not have a hierarchical relationship with the Education Office or other institutions in a district or city. Sakdiah & Zamzami (2018), showed that, in accordance with the idea of school-based management, schools and school committees maintain their independence by remaining partners who must collaborate.

The quality of input, process, output, and outcome are all aspects of education quality. If educational input is ready for processing, it is considered qualified. It is these values training courses that can ultimately create a Dynamic, Inventive, Imaginative, Powerful and Fun Learning environment (PAIKEM). If students have very good academic and non-academic learning outcomes, then the output is considered qualified. According to Usman, graduates are considered qualified if they quickly integrate into the world of work, receive a fair salary, and all parties recognize the greatness of graduates and are happy with their performance (Latifah, 2022).

Konsepsi input dan output yang merupakan gambaran mutu pendidikan adalah gambaran dan karakteristik menyeluruh dari barang atau jasa yang menunjukkan kemampuannya dalam memuaskan kebutuhan yang diharapkan atau yang tersirat. Dalam konteks pendidikan pengertian mutu mencakup input, proses, dan output Pendidikan (Muaddab, 2011).

5. METHOD

Using qualitative data collection methods and techniques for the study of literature, the authors used a number of literature references in this work. The data analysis technique used in this research was descriptive analysis, which were then discussed based on the issues raised. Books, relevant journals from Google Scholar, and the internet were the sources for writing this article.

6. RESULTS & DISCUSSION

A group known as the School Committee takes into account the contributions of the community and parents to improve the standard of education provided by the school. National Education System Law No. 20 of 2003 By providing consideration, direction, and support for personnel, facilities, and infrastructure, as well as educational development at the education unit level, a school/madrasah committee was formed as an independent institution and has a role in improving the quality of service, as stated in Article 56 Paragraph 3 of the 2003 on Education Law (Mustadi et al., 2016).

The paradigm of the government system that has changed, moving away from centralization towards decentralization which is marked by the granting of broad autonomy to the regions (Law No. 22 of 1999) has allowed more people to be involved. In education policy making. A forum that can accommodate views, aspirations, and explore the potential of the community to ensure the creation of democratization, transparency, and accountability of education is needed in the context of implementing educational autonomy as part of regional autonomy as a form of community participation in the administration of education. Education. One such association is the conventional name of Training Centers at the Regional/City level and School/Madrasah Supervisory Boards at the teaching unit level. Law No. 25 of 2000 concerning the National Development Program (Propenas) of 2000–2004 gave the people the right to have an Education Council and a School/Madrasah Committee. Decree of the Minister of National Education No. 044/U/2002 issued on 2 April 2002 has realized this right (Dedi, 2019). The quality of education services can be improved by forming school committees to support the implementation of education in schools. The committee was formed to accommodate and increase the participation of school stakeholders in formulating, establishing, implementing, and supervising school policies and accountability that emphasizes proportional and open services to students. In addition, the committee allows stakeholders to participate in school management according to their roles and responsibilities in terms of planning, implementing and evaluating school programs in order to build a “School Community” dedicated to improving school quality (Wardani et al., 2018).



Figure 1. The Committee Allows Stakeholders to Participate in School Management

IoT is a concept when an object has technology such as sensors and software which is also used in communicating, connecting, exchanging data using other devices when connected to the internet. IoT is a relationship between educators and educated to improve the quality of education and "quality of education" and "education" both refer to the quality of products produced by educational institutions or schools. Specifically, it can be determined from the number of graduates who are relevant to the goals and who have academic achievements and other achievements. Second, have achievements, both academic and non-academic. Third, graduates are relevant to the goals of educational institutions because they meet school requirements (Pangondian et al., 2019).

7. CONCLUSION

7.1 The School Committee is what takes into account the contributions of society and parents to improve the standard of

education provided by the school. The quality of education services can be improved by forming school committees to support the implementation of education in schools. The committee was formed to accommodate and increase the participation of school stakeholders in formulating, establishing, implementing, and supervising school policies and accountability that emphasizes proportional and open services to students. For every quality institution is the basic plan and main effort. However, there are those who view quality as a confusing concept. Quality is perceived as confusing and difficult to measure. Therefore, to improve the quality of education, school principal committees have to: 1) facilitate the smooth running of education in schools; 2) maintain, improve and develop schools; and 3) monitor, supervise, and evaluate the implementation of education in schools.

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