

The Effect Of Facilities And Infrastructure Management On The Quality Of Learning At Smp Negeri 1 Parigi

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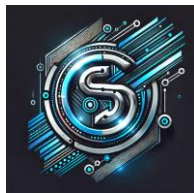
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Abstract: This study aims to analyze the influence of facility and infrastructure management on the quality of learning at SMP Negeri 1 Parigi. Adequate facilities and infrastructure play a very important role in creating a conducive learning environment, which in turn affects the quality of learning. The method used in this study is a qualitative descriptive approach, with data collection through observation and interviews with teachers, students, and school administration staff. The results of the study show that good management of facilities and infrastructure has a positive effect on the comfort and effectiveness of the learning process. Adequate facilities, such as comfortable classrooms, complete teaching aids, and other supporting facilities, increase interaction between teachers and students, which ultimately affects the improvement of learning outcomes. However, this study also identified shortcomings in the management of facilities, such as less modern equipment and the mismatch of the number of facilities with the number of students. The implication of this finding is the need to improve the management of facilities and infrastructure at SMP Negeri 1 Parigi, as well as to improve coordination between the school and the government to optimize existing facilities. This research is expected to provide insight and basis for better management of facilities and infrastructure, so that it can improve the quality of learning in schools.

Keywords: Management Of Facilities And Infrastructure, Quality Of Learning, Educational Facilities, Education Management.

INTRODUCTION

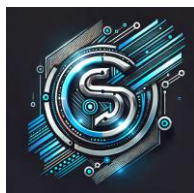
Educational facilities and infrastructure play a very important role in supporting the achievement of quality learning goals. Educational facilities include various facilities used in the teaching and learning process, such as textbooks, computers, teaching aids, and other devices needed to improve the interaction process between teachers and students. Infrastructure, on the other hand, refers to physical infrastructure that supports educational activities, such as classrooms, laboratories, libraries, sports facilities, as well as toilets and other spaces that ensure comfort in the learning process (Putri et al., 2024). The existence and quality of adequate facilities and infrastructure will create a more conducive learning environment, which will ultimately have a direct impact on the quality of learning received by students (Susanti, 2024).



At SMP Negeri 1 Parigi, the condition of facilities and infrastructure is one of the main concerns in efforts to improve the quality of education. This school already has various facilities that support the teaching and learning process, but there are still some shortcomings that need to be improved, such as inadequate classroom facilities, lack of teaching aids, and limited maintenance of facilities(Sholeh, 2023). This of course affects the comfort and effectiveness of the implementation of learning. For example, inadequate classroom conditions or incomplete learning aids can hinder the delivery of material to the maximum, so that the quality of learning can decrease. Therefore, good management of facilities and infrastructure is needed so that existing facilities can be used optimally.

Effective management of facilities and infrastructure includes various aspects, such as careful planning, proper organization of resources, implementation in accordance with standards, and continuous supervision and maintenance. This management is very important so that every existing facility and infrastructure can function properly and support the smooth learning process(Rachmah et al., 2023). In this context, the management of facilities and infrastructure not only involves the school such as the principal and administrative staff, but also involves the active participation of all school residents, including teachers and students. A good management can create a comfortable environment and support effective learning, which in turn will increase the learning bag cauldron in the school(Silangit, 2024).

The importance of facility and infrastructure management in supporting the quality of learning has been proven in various studies. For example, previous research has shown that when learning facilities such as comfortable classrooms, adequate learning aids, and other supporting facilities are well managed, students tend to have higher learning motivation and better learning outcomes. This shows that the quality of facilities and infrastructure has a direct influence on the student learning experience(Rizandi et al., 2023). Similar research by Yola Pramai Shela and Dea Mustika (2023) which discusses infrastructure, learning media, and learning methods in increasing the learning motivation of elementary school students, found that well-planned management of facilities and infrastructure can create a conducive environment for learning, increase student activity, and support teaching effectiveness(Shela & Mustika, 2023).



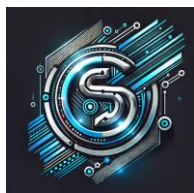
However, although various studies show that good facility and infrastructure management has a positive effect on the quality of learning, there are still studies that show that problems in facility management can hinder the teaching and learning process. The research conducted by Ai Lisnawati, et al. (2023) revealed that even though facilities and infrastructure are available, lack of optimal maintenance and management can cause damage to existing facilities, ultimately disrupting the quality of learning. Thus, ineffective management of facilities and infrastructure can have a bad impact on the learning process, even though the facilities and infrastructure themselves already exist (Lisnawati et al., 2023).

Based on this, this study focuses on the importance of facilities and infrastructure management in supporting the quality of learning at SMP Negeri 1 Parigi. The formulation of the problem in this study is whether the management of facilities and infrastructure affects the quality of learning at SMP Negeri 1 Parigi. This study aims to analyze the influence of facilities and infrastructure management on the quality of learning at SMP Negeri 1 Parigi, with the hope of providing deeper insights into the management of educational facilities that can support the improvement of the quality of learning in the school.

The benefits of this study are to provide theoretical benefits that can enrich the literature on the management of educational facilities and infrastructure and its impact on the quality of learning, and provide practical benefits for school managers and policy makers to formulate strategic steps in improving the quality of learning through the improvement and management of better facilities and infrastructure. With the results of this research, it is hoped that it can provide a strong basis in planning the improvement and development of facilities and infrastructure at SMP Negeri 1 Parigi in order to achieve better quality learning.

METHOD

This study aims to determine the influence of facility and infrastructure management on the quality of learning at SMP Negeri 1 Parigi. Therefore, the approach used in this study is a qualitative descriptive approach (Creswell, 2007). This approach was chosen because it aims to describe and analyze the conditions in the field regarding how the management of facilities and infrastructure plays a role in improving the quality of learning in the school.

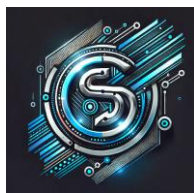


In this study, the data collection procedure is carried out in two main ways, namely observation and interview (Seidman, 2006). Observation was carried out by directly observing the condition of the facilities and infrastructure available at SMP Negeri 1 Parigi, such as classrooms, learning equipment, supporting facilities, and how these facilities are managed to support the learning process. This observation was carried out in various classrooms and other facilities in the school environment to get a comprehensive picture of the condition of the existing facilities and infrastructure. In addition, interviews were conducted with teachers, students, and administrative staff to dig deeper information about the management of facilities and infrastructure in the school and how their perception of its impact on the quality of learning is conducted. This interview was conducted directly at the location using interview guidelines that had been prepared beforehand, so that the data obtained could be more in-depth and relevant to the research objectives. The data analysis technique procedure is carried out with the following steps. First, the data obtained from the results of observations and interviews will be categorized and arranged based on relevant themes. Then, the data is analyzed using thematic analysis, where researchers identify patterns or themes that arise from the data that has been collected. The results of this analysis will illustrate how the management of facilities and infrastructure affects the quality of learning at SMP Negeri 1 Parigi, both directly and indirectly. By using a qualitative descriptive approach, this study is expected to provide a clear picture of the condition of facilities and infrastructure management and its impact on the quality of learning, so that it can be the basis for policy making or improvement in the future.

RESULT AND DISCUSSION

Description of Facilities and Infrastructure Management at SMP Negeri 1 Parigi

The management of facilities and infrastructure is one of the important aspects in the world of education related to the management of all physical facilities in an educational institution, including schools. In general, facilities and infrastructure management refers to the process of planning, organizing, implementing, and supervising existing facilities, so that these facilities and infrastructure can be used optimally to support learning activities and support various other activities in the educational environment (Rusydi Ananda, 2015).



Facilities can be defined as everything used to support the implementation of activities, such as tools or devices used in the teaching and learning process (for example, tables, chairs, whiteboards, projectors, computers, textbooks, and teaching aids). Meanwhile, infrastructure refers to physical facilities that support these facilities, such as school buildings, classrooms, laboratories, libraries, sports rooms, and other facilities in schools (Juita et al., 2024).

The current condition of facilities and infrastructure at SMP Negeri 1 Parigi shows that there are good efforts in providing adequate facilities to support the learning process. The school already has enough classrooms, equipped with desks, chairs, and a decent whiteboard. In addition, there are also other facilities such as computer labs, library rooms, and sports rooms. However, there are several shortcomings, such as the existence of facilities that need repairs, such as the condition of classroom buildings that need renovation and the lack of some more modern learning support equipment.

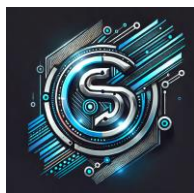
The facilities and infrastructure management strategy implemented at SMP Negeri 1 Parigi can be seen in efforts to manage and maintain existing facilities. The management of facilities and infrastructure is carried out by involving related parties such as school principals, administrative staff, and school committees. Every year, planning for the needs of facilities and infrastructure is carried out based on the evaluation and existing conditions. In addition, the school also prioritizes periodic maintenance of existing facilities, although there are limited funds that affect the repair capacity.

The Relationship between Facilities and Infrastructure Management to Learning Quality

Facilities and infrastructure management is an important aspect in creating an educational environment that supports the achievement of good learning quality. In this study, the management of facilities and infrastructure at SMP Negeri 1 Parigi was found to have a significant relationship with the quality of learning. The following is an in-depth analysis of the relationship between facilities and infrastructure management and the quality of learning in the school.

1. Management of Facilities and Infrastructure as a Learning Supporting Factor

Educational facilities and infrastructure include various facilities that support teaching and learning activities, such as classrooms, laboratories, libraries, learning media, as well as tools and



technology used by teachers and students. Good management of facilities and infrastructure plays an important role in increasing the effectiveness and efficiency of learning.

At SMP Negeri 1 Parigi, the management of facilities and infrastructure is quite good as seen from the existence of sufficient classrooms, teaching aids that support learning, and other facilities that support the student learning process. A planned and organized management process, starting from care, maintenance, to the use of these facilities, allows the maximum use of facilities and infrastructure in supporting the quality of learning. This is in accordance with the theory that the existence of adequate facilities can increase student concentration in learning, facilitate the use of varied learning methods, and enrich the student learning experience.

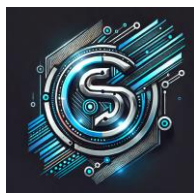
2. Availability of Adequate Facilities to Improve the Quality of Learning

The availability of supporting facilities such as sufficient classrooms, laboratories, libraries, and learning media, can directly improve the quality of learning. At SMP Negeri 1 Parigi, with adequate classrooms and facilities such as science laboratories and multimedia rooms, students are given the opportunity to better understand the subject matter through practice and the use of technology.

Good management of these facilities allows easier and faster access for students and teachers in using learning facilities. In addition, the availability of facilities also encourages the creation of a comfortable and conducive learning atmosphere. This, in turn, can increase students' interest and motivation in participating in learning, which leads to improved learning outcomes.

3. Utilization of Technology in Learning

One of the factors that strengthens the relationship between facilities and infrastructure management and the quality of learning is the use of technology. At SMP Negeri 1 Parigi, the management of technology such as computers and projectors in the learning process shows a positive impact on the quality of learning. The available technology helps teachers deliver material more interactively and makes it easier for students to understand the concepts being taught. However, even though technology is available, its use still depends on the ability of teachers to integrate the technology into the learning process (Sholeh & Fathurro'uf, 2024). Therefore, good management of facilities and infrastructure involves not only the provision of facilities, but also training for teachers to make optimal use of technology.



4. Sustainable Care and Maintenance of Facilities

Effective management of facilities and infrastructure is not only related to the availability of facilities, but also to continuous maintenance and maintenance. In the context of SMP Negeri 1 Parigi, routine maintenance of existing facilities, such as repairing damaged equipment and routine checks of classrooms, is a very important aspect. When the facilities and infrastructure remain in good condition, the learning process can run without significant obstacles.

On the other hand, if facilities and infrastructure are not managed properly, such as damaged or unmaintained facilities, then the quality of learning will be disrupted. For example, malfunctioning teaching aids or multimedia facilities can limit the variety of learning methods that can be applied by teachers, ultimately impacting the student learning experience.

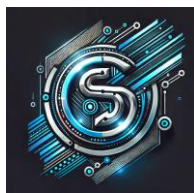
5. The Influence of Facilities and Infrastructure Management on Student Learning

The quality of learning is not only seen from the teaching aspect of teachers, but also from the environment that supports it. Good management of facilities and infrastructure at SMP Negeri 1 Parigi has a significant impact on the way students receive learning materials. Good facilities allow for a more enjoyable learning experience, with more varied methods, such as technology-based learning, group discussions, or experiments in the laboratory. This has an impact on improving students' understanding of the subject matter, which in turn can improve their learning outcomes. Students who feel comfortable and interested in a supportive learning atmosphere will be more motivated to learn and actively participate in learning activities.

6. Challenges in the Management of Facilities and Infrastructure

Although the management of facilities and infrastructure at SMP Negeri 1 Parigi is quite good, there are still several challenges that need to be overcome to improve the quality of learning more optimally. One of them is budget limitations that affect the maintenance and periodic renewal of facilities (Minarti et al., 2024). This can hinder the smooth learning process, especially when the existing facilities are damaged or obsolete (Efendi & Sholeh, 2023).

The limitation of training for teachers in using the latest facilities and technology is also a challenge. Even though the existing facilities and infrastructure are adequate, without maximum utilization by teachers, the positive impact on the quality of learning will be limited. Therefore,



continuous training for teachers on how to utilize existing technology and facilities is very important to improve the quality of learning.

7. Managerial Implications

Based on the findings of this study, the management of facilities and infrastructure at SMP Negeri 1 Parigi has a significant impact on the quality of learning. For this reason, schools need to focus more on effective management, including improving the quality of facilities, routine maintenance, and providing training for educators. Improving the quality of facilities and infrastructure management will help create a conducive learning environment, which will ultimately increase student motivation and their learning outcomes(Hikmat, 2011).

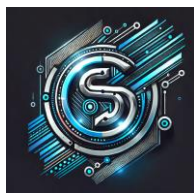
Implications of Research Results

From the results of this study, it can be concluded that good management of facilities and infrastructure has a positive effect on improving the quality of learning. Well-managed facilities and infrastructure provide significant support for the smooth and effective learning. On the other hand, shortcomings in terms of facilities or management can hinder the learning process and reduce the quality of education.

The implication of the results of this study is the need to improve the quality of facilities and infrastructure management at SMP Negeri 1 Parigi to improve the quality of learning. One of the efforts that can be made is to increase coordination between schools and local governments to obtain sufficient funds to improve and add to existing facilities. In addition, it is important to involve all parties, both teachers, students, and parents, in the process of maintaining and managing facilities and infrastructure in order to create a collective awareness of the importance of adequate facilities in supporting the educational process(Sholeh et al., 2024).

This study also shows that there is a gap between ideal conditions and reality in the field, which must be a concern for schools(‘Azah et al., 2024). If the existing problems can be overcome, the quality of learning at SMP Negeri 1 Parigi can be significantly improved, providing a positive impact on the development of students and the school as a whole.

The results of this finding are relevant to previous research, which shows that good management of facilities and infrastructure has a positive impact on the quality of learning(Umar et al., 2024). In comparison, the results of this study are in line with the findings in other schools,



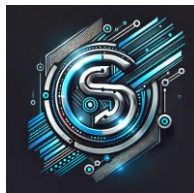
although SMP Negeri 1 Parigi still faces several challenges in terms of the availability of more modern and adequate facilities. Thus, the results of this research can be used as a reference for improving the management of facilities and infrastructure in other schools, as well as becoming the basis for better education policies.

CONCLUSION

Based on the results of the research conducted, it can be concluded that the management of facilities and infrastructure at SMP Negeri 1 Parigi has a significant effect on the quality of learning. Good management in the management of educational facilities, such as classrooms, laboratories, and teaching aids, contributes positively in improving the comfort and effectiveness of the teaching and learning process. However, there are several challenges related to the condition of facilities that require repairs and limited resources, such as lack of technological equipment and the incompatibility of the number of facilities with the number of students. Therefore, improving the quality of facilities and infrastructure management at SMP Negeri 1 Parigi is very important to maximize the quality of learning, which can be achieved through better coordination between the school and the local government, as well as the active participation of all elements of the school. This study also provides an overview that adequate facilities and infrastructure can be a determining factor in achieving optimal education quality.

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