Management of Facilities and Infrastructure to Improve Student Learning Achievement at SD IT Cendikia, Percut Sei Tuan District

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Abstract

The purpose of my research is to find out how the process of managing facilities and infrastructure in the Integrated Cendikia Islamic Elementary School influences the process, which is still not in accordance with the standard of facilities and infrastructure. The researcher found that the process of managing facilities and infrastructure at the Cendikia Integrated Islamic Elementary School was already running, but it was not as appropriate as it should be. It can be seen from the inadequate facilities and infrastructure, for example the lack of facilities and infrastructure for learning practices, teacher rooms, sports fields, prayer rooms and other facilities. One of the factors to increase academic and non-academic achievements in schools is by providing student learning facilities and infrastructure that are managed effectively and efficiently. My type of research is qualitative research, that is descriptive in nature and tends to lead to an analysis of field findings. Based on the data and discussion, it is concluded that the process of management of facilities and infrastructure at the Cendikia Integrated Islamic Elementary School has been running but has not been effective and efficient.

Keywords: Facilities and Infrastructure Management, Student Achievement

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Introduction

Education is one opportunity that has a strategic role in creating quality human resources. The clearer the education of a nation, the more visible the development and progress of the nation. Education is also central in developing human resources. Improving the quality, relevance, and efficiency of education must be in the education system and education management. (Manurung et al., 2020). The implementation of national education is an attempt by government agencies to be able to facilitate the development of human resource development for the future (Ilham, 2019). so that we need various changes, improvements, and innovations in education, including curriculum, educational facilities and infrastructure, quality of educators and educational staff, education management, and the role (share) of society (Kadi & Awwaliyah, 2017). With good education and having a scope such as effective and efficient facilities and infrastructure, education can also become a social perspective in the community that has positive value. We all know that the young generation is a bridge to a bright future for this nation, and the future of young people lies in the education of this nation. The implementation of education is carried out in institutions including formal education institutions (such as SD), informal (such as studios), and non-formal (such as language courses). An educational institution is a place to carry out the educational process in progress such as schools, madrasas, tutoring, and so on. (Ike Malaya Sinta, 2019) With good education and having a scope such as effective and efficient facilities and infrastructure, education can also become a social perspective in the community that has positive value. We all know that the young generation is a bridge to a bright future for this nation, and the future of young people lies in the education of this nation. The implementation of education is carried out in institutions including formal education institutions (such as SD), informal (such as studios), and non-formal (such as language courses). An educational institution is a place to carry out the educational process in progress such as schools, madrasas, tutoring, and so on. (Ike Malaya Sinta, 2019) With good education and having a scope such as effective and efficient facilities and infrastructure, education can also become a social perspective in the community that has positive value. We all know that the young generation is a bridge to a bright future for this nation, and the future of young people lies in the education of this nation. The implementation of education is carried out in institutions including formal educational institutions (such as SD), informal (such as studios), and non-formal (such as language courses). An educational institution is a place to carry out the educational process in progress such as schools, madrasas, tutoring, and so on. (Ike Malaya Sinta, 2019) The implementation of education is carried out in institutions including formal education institutions (such as SD), informal (such as studios), and non-formal (such as language courses). An educational institution is a place to carry out the educational process in progress such as schools, madrasas, tutoring, and so on. (Ike Malaya Sinta, 2019) The implementation of education is carried out in institutions including formal educational institutions (such as SD), informal (such as studios), and non-formal (such as language courses). An educational institution is a place to carry out the educational process in progress such as schools, madrasas, tutoring, and so on. (Ike Malaya Sinta, 2019)

Infrastructure in schools is a component that must be considered. In the process of teaching and learning activities, it must have adequate infrastructure or facilities. In an educational institution is required to have independence in terms of managing and handling the interests of the institution. In this case, the government through Government Regulation Number 19 of 2005 concerning National Education Standards concerning national standards of facilities and infrastructure in Chapter VII Article 42 clearly states that: "(a) Every unit in education is required to have facilities and infrastructure which include equipment, educational media and other resources and consumables, as well as other equipment needed to assist in an orderly and continuous learning process. (b) Each education unit is required to have infrastructure which includes land, classrooms, education unit leadership rooms, educator rooms, administrative rooms, library rooms, laboratory rooms, canteen rooms, sports areas, places of worship, playgrounds, recreation areas and other spaces/places needed to assist in an orderly and continuous learning process . Thus it can improve achievement in educational institutions through good facilities and infrastructure.

Management of infrastructure facilities is an important part of the process of student

achievement in schools so that management of infrastructure facilities can manage all facilities supporting the process of learning from the beginning of learning starting from planning, procurement to the final stage, namely at the management stage. The goal of management of infrastructure facilities is to be able to do their best in managing these infrastructure activities so that existing facilities can be utilized effectively (Herawati et al., 2020). The process of collaboration carried out by a group of people in order to organize and use educational facilities properly and effectively is also called Management of facilities and infrastructure. (Nurmaidah, 2018)

Student achievement is the result obtained by students during learning. Student achievement can be seen from various fields. In general, student achievement is divided into two parts, namely academic achievement and non-academic achievement. Increasing student achievement can be implemented through several factors including self-motivation, parental support, education management such as management of facilities and infrastructure. Students can make the achievements they get as motivation to get other achievements.

First, on the standard of infrastructure facilities at the Cendikia Integrated Islamic Elementary School if it meets the area of school building land that can be used to build infrastructure such as classroom buildings and places for creativity or sports, but the land area at the Cendikia Integrated Islamic Elementary School is not in accordance with the provisions of the Standards for Facilities and Infrastructure. Second, in terms of planning for the procurement of infrastructure, the school submits a proposal to receive assistance from the foundation, but not many proposals get the desired results so that the learning process is less effective. Third, student achievement can be implemented through several factors including personal motivation, education management, for example, in the process of managing facilities and infrastructure at schools, if we see from the results of the interviews, many achievements were left behind, but these students had so that they were hampered due to a lack of optimization of infrastructure facilities at the Cendikia Islamic Elementary School. Therefore, in the process of managing school facilities and infrastructure, improvements are still needed in order to achieve the effectiveness and efficiency of school infrastructure management.

Interactions in the management of infrastructure and student achievement at the Integrated Cendikia Islamic Elementary School which are invisible but exist will be the purpose of writing this article. The author writes this article so that he can follow up on one of the supporting factors in improving student achievement, namely management of infrastructure. What is good and right according to the rules and regulations.

Method

In writing this journal, researchers used a qualitative approach, which in this study emphasized meaning and process rather than the results of an activity in the implementation of facilities and infrastructure management to improve student learning achievement at SD IT Cendikia. According to Bogdan Taylor in Neliwati formulates that a study using qualitative methodology as a research procedure produces descriptive data in the form of written or spoken words from people and observable behavior. (Neliwati, 2020: 5) This research was conducted at the Cendikia Integrated Islamic Elementary School, Jl Medan-Batang Kuis No 68 Pasar 10, Kec. Percut Sei Tuan, Deli Serdang Regency, North Sumatra.

Results and Discussion of Research Results

1. Facility and Infrastructure ManagementAt the Integrated Scholar Islamic Elementary School

According to Rusydi Ananda, the Management of educational facilities and infrastructure is a form of being able to manage and maintain educational infrastructure so that it can make an optimal and meaningful contribution to the course of the educational process. These management activities include planning, procurement, supervision, inventory storage and deletion and arrangement (Rusydi Ananda, 2017: 24). The purpose of the management of facilities and infrastructure especially at SD IT Cendikia is an effort in the process of planning, procuring, using, and maintaining facilities and infrastructure that is carried out effectively and efficiently within SD IT Cendikia.

Efforts in the process of managing facilities and infrastructure at SD IT Cendikia according to Ustadz M. Aswan Lubis, S.Pd.I (Principal of SD IT Cendikia Elementary):

"In the infrastructure management process, what I did to organize the infrastructure at SD IT Cendikia was to be careful in managing all activities in infrastructure management at SD IT Cendikia by adjusting learning facilities starting from planning, procurement to the final stage in infrastructure management, namely on the management process. The end of the goal in infrastructure management at SD IT Cendikia is to be able to do the best in managing infrastructure management activities at SD IT Cendikia".

According to Abu and Munawar (2007) responsibility can be defined as one of the differences between the two opinions, namely between what is right and what is wrong, or what is permissible and what is not permissible, what is directed and what is prevented, what is good and what is bad, and realize that you have to stay away from all that is negative and try to educate yourself to always use things that are positive and not the other way around. We can conclude that since then began to be able to do what it understands. No longer tempted to do the same as others, even if there are many others, insisting on being followed, and being challenged with threats or punishment.

a. Planning of facilities and infrastructure

In the process of planning facilities and infrastructure in schools, the steps are carried outto determine according to the needs and deficiencies in infrastructure that are in accordance with the conditions of each school is infrastructure planning. In carrying out this planning, the school that wants to plan its facilities and infrastructure will hold a meeting whose ultimate goal is to determine the infrastructure that will be needed. Planning for facilities and infrastructure carried out in schools includes the following:

1. Teachers, educators, staff, educators, principals, and employees hold meetings

2. Arrange the need for

infrastructure facilities in the school education process

3. Evaluate the most important facilities among others

4. Make determinations for procurement of infrastructure (Parid &Alif, 2020)

b. Procurement of facilities and infrastructure

In the process of procuring infrastructure facilities, there are several steps, namely steps taken to be able to see the available facilities according to what the school needs in terms of school facilities and infrastructure. Procurement of facilities and infrastructure can be carried out in several ways, namely by purchasing the required facilities in advance, making the product itself, and renting facilities and infrastructure from other places.

c. Storage of educational facilities and infrastructure

In the process of storing educational infrastructure in schools, we can do it through several activities, namely receiving goods, storing goods, and distributing these goods. Storage is done for

keep the goods safe

d. Distribution of facilities and infrastructure

The process of distributing educational facilities in schools can be done by dividing or distributing goods based on the needs of the teachers, educators and students in educational activities in schools.The distribution of these facilities and infrastructure is carried out with the approval of the school principal.

e. Maintenance of facilities and infrastructure

In the process of maintaining school facilities and infrastructure, we can carry out maintenance of

infrastructure at any time, all school members, from the principal to the students, are required to maintain the facilities provided. Maintenance of infrastructure facilities has a very important role in the management of infrastructure facilities.

f. Rehabilitation of facilities and infrastructure

When carrying out rehabilitation of infrastructure means repairing infrastructurethat is damaged, namely by repairing or buying damaged spare parts, it will produce a fit for use again. (Megasari, 2014)

An SD/MI has at least the following infrastructure:

1. classroom,

2. library room,

3. science laboratory,

4. leadership room,

5. teacher's room,

6. place of worship,

7. UKS room,

8. latrines,

9. warehouse,

10. circulation room,

11. playground/exercise (Regulation of the minister of national education Number 24 year 2007 dated 28 June 2007).

At SD IT Cendikia, the infrastructure is not fully in accordance with the regulations of the Minister of Education and Culture, but the principal and his staff and staff are still trying their best to meet the needs of SD IT Cendikia's infrastructure, the building has three floors, including infrastructure that has been operated, namely classrooms and entourage learning in accordance with the provisions of the Minister of Education and Culture, the leadership room which is equipped with electronic media, 4 room latrines, a warehouse which is used under the stairs on the first floor. Even so, there are also additional infrastructure facilities available at SD IT Cendikia, such as first, CCTV in every classroom and every corner of the school.

2. Procurement of Facilities and Infrastructure at the Integrated Cendikia Islamic Elementary School

ProcessPlanning is the first step in the process of managing educational facilities and infrastructure. The deputy head of facilities and infrastructure in planning educational facilities and infrastructure conducted a media analysis based on needs analysis based on the needs needed by schools, teachers, students, learning needs, the deputy head of facilities and infrastructure conducted a needs analysis for providing infrastructure facilities at SD IT Cendikia based on reports from the homeroom teacher , as well as reports from each member of the facility and then follow up on any needs. In this case, it was also conveyed by the deputy head of the School for Infrastructure Facilities at SD IT Cendikia that at this school the school infrastructure is adequate, but there are still some that have not been fulfilled because all infrastructure facilities spend large funds.

The procurement process for learning facilities and infrastructure inSD IT Scholarby buying through incoming BOS funds and also from aid budget fundsgovernment is stated in Permenkeu No. 168 of 2015 Articles 2 and 3 concerning Implementation Mechanisms

Government Assistance Budget in State Ministries/Institutions,the provisions in this ministerial regulation regulate the allocation, disbursement, distribution and accountability of the Government Assistance Budget which are not included in the criteria for Social Assistance in State Ministries/agencies originating from the APBN. The aid budget here awards outstanding students, scholarships for underprivileged students, teacher professional allowances and other allowances, operational assistance, facilities and infrastructure assistance, rehabilitation/construction assistance for buildings/buildings, and other assistance which has the characteristics of government assistance determined by PA.

As explained by Mrs. Siti Safriana Sari Hrp, AMD.Kom, as the administration that:

"In the procurement process for learning facilities and infrastructure at IT Cendikia Elementary School, the procurement comes from funds that have been disbursed to the school boss funds, and the boss funds that have been disbursed will be directly utilized and used by the school to purchase all learning needs, such asawarding outstanding students, scholarships for underprivileged students, allowancesteaching profession, building schools. The government gives 100 percent authority to schools in using boss funds, and these boss funds are only used for school needs and not for personal use.

The BOS Fund is a program promoted by the Government to help schools in Indonesia to be able to provide learning more optimally. Assistance provided through BOS funds is in the form of funds. These funds can be used for school needs, such as maintaining school facilities and infrastructure to buying multimedia tools to support teaching and learning activities.

3. **Management of Infrastructure and Student Achievement at the Integrated Scholar Islamic Elementary School**

Management of facilities and infrastructure in order to improve student achievement becomes a support for the success of activities in education. Fulfillment of facilities and infrastructure can certainly have a positive impact on education. The influence of facilities and infrastructure is not only seen from the quality of the school but we can see it from student achievement in the academic or non-academic fields (Hartoni, Amirudin, 2018). In this case, at SD IT Cendikia the focus of the staff is to further foster and direct students to learn as much as possible by having comfortable infrastructure facilities in the learning process. Improving student achievement through the management of infrastructure can be done by meeting the needs of the facilities and infrastructure of students, teachers and staff and employees in schools according to their needs. Distribution of infrastructure must also be in accordance with the needs of the school community because if the distribution of infrastructure is less than the needs of those who need it will

experience difficulties. However, if the distribution is carried out excessively, the infrastructure cannot be utilized properly (Firmansyah et al., 2018). So far, SD IT Cendikia has inaugurated its students every year for the Tahfidzul Qur'an graduation category with a period of one year, in the process of memorizing every day students provide additional storage of memorization to the teacher. And in the general scientific field, students at SD IT Cendikia continue to take part in the Olympic competitions. However, if the distribution is carried out excessively, the infrastructure cannot be utilized properly (Firmansyah et al., 2018). So far, SD IT Cendikia has inaugurated its students every year for the Tahfidzul Qur'an graduation category with a period of one year, in the process of memorizing every day students provide additional storage of memorization to the teacher. And in the general scientific field, students at SD IT Cendikia continue to take part in the Olympic competitions. However, if the distribution is carried out excessively, the infrastructure cannot be utilized properly (Firmansyah et al., 2018). So far, SD IT Cendikia has inaugurated its students every year for the Tahfidzul Qur'an graduation category with a period of one year, in the process of memorizing every day students provide additional storage of memorization to the teacher. And in the general scientific field, students at SD IT Cendikia continue to take part in the Olympic competitions.

This is known as the function of management of infrastructure in schools will be able to improve quality in schools, especially the achievements of the students themselves. As explained by Ms. Sonia Putri Indah, S.Pd, as a teacher and co-teacher for student competitions at SD IT Cendikia which:

"By utilizing the infrastructure at SD IT Cendikia, the quality of students at SD IT Cendikia will continue to grow and will improve student achievement, which is one of the infrastructure used by teachers to creatively improve student achievement, this is evidenced by the existence of WIFI facilities at SD IT Scholar, where WIFI is used by teachers looking for new teaching materials and learning that develops and is easy for students to understand, by

participating in every competition, schools can find out where the weaknesses and strengths of each student's achievements are, although sometimes students don't always win who took part in the competition, the existence of the Al-Qur'an tahfidz program made the achievements routine every year because

there will be a grand graduation at the end of every even semester and this is because the facilities in the tahfdz subject at SD IT Cendikia are arranged to the maximum so as to produce sparkling benefits and achievements"

Based on statements from existing informants, the researcher draws the conclusion that student achievement at SD IT Cendikia each year is Hafidz 1 Juz Al-Qur'an, for other achievements following the various existing competitions, SD IT Cendikia school will send out to improve the achievements of students with the fulfillment of the infrastructure needed by their students will continue to improve student achievement at SD IT Cendikia Elementary School. In the tahfidz program which is the school's flagship program at SD IT Cendikia, the school prepares a relevant special lesson schedule for additional memorization hours for each student. As we can see from the lesson schedule at SD IT Cendikia:

Figure 1. Learning Schedule

From the picture above, the results show that the tahfidz subject is not extracurricular class hours so that student achievement can be achieved because the

learning facilities at memorization hours are sufficient. Dominating the tahfidz lessons is carried out almost 50% of the other lesson hours, starting Monday to Thursday the tahfidz class hours for class IV are 3 hours of lessons. In contrast to grades 1 to grade 3 that the tahfidz lesson hoursmore sure to be 4 hours of lessons because the quality of students' comprehension of grades 1 to grade 3 requires more space and time compared to the upper classes.

Conclusion

Based on the description of research data as welldiscussion of the results of research at SD IT Cendikia, the author can conclude that:

1. The management of educational facilities and infrastructure at SD IT Cendikia is a form of trying to organize and maintain educational infrastructure so that they can make an optimal and quality contribution to the course of the educational process at SD IT Cendikia. This is intended so that the management of facilities and infrastructure at SD IT Cendikia can run effectively and efficiently and not cause gaps later.

2. The procurement process conducts media analysis based on needs analysisbased on the needs required by SD IT Cendikia, teachers, students, learning needs and the results are followed up by the deputy head of infrastructure to provide infrastructure at SD IT Cendikia based on reports from the homeroom teacher, as well as reports from each member of the facility and then following up on their every need.

3. Infrastructure management and student achievement inSD IT Scholar is one of the supports in improving student learning achievement both academic and non-academic achievements are good infrastructure. In the process of managing good facilities and infrastructure, both inside and outside the classroom, it helps students to realize what they want to do at school. One of the achievements every year at SD IT Cendikia is being able to graduate one juz of the Qur'an for each child.

Bibliography

Ananda, Rusydi and Oda Kinata Banurea. (2017). Facility and

Infrastructure Management

Education.

Anjassari, R., Sukmawati, & Suib, M. (nd). Management of facilities and infrastructure in improving non-academic achievements in SD IT.

Awaludin and Eki Saputra, 2016, "School Infrastructure Management Information Systems", Journal of Engineering and Information Systems Management, Vol. 2, No. 2

Barnawi & M. arifi, (2012), School Facilities and Infrastructure Management, (Yogyakarta: Ar-ruzz Media)

Fatmawati, Nur & Andi Mappincara, Sitti Habibah, (2019). Utilization and maintenance of educational facilities and infrastructure. Journal of Education, Teacher Training and Learning. Vol.3, No.02

Firmansyah, T., Supriyanto, A., & Timan, A. (2018). Effectiveness of Utilization of Facilities and Infrastructure in Improving Service Quality in Laboratory High School. Journal of Educational Management and Supervision, 2(3), 179–184.

Hartoni, Amirudin, S. (2018). Implementation of Facilities and Infrastructure Management in Vocational High Schools. Al-Idah: Journal of Islamic Education, VIII(1), 179–185. http://ejournal.radenintan.ac.id/index.php/idaroh/article/view/3088

Herawati, S., Arafat, Y., & Puspita, Y. (2020). Management of Utilization of Learning Facilities and Infrastructure. Attractive : Innovative Education Journal, 2(3), 21.

Ilham, D. 2019. Initiating Values Education in the National Education System. Didactics: Journal of Education, 8 (3).https://jurnaldidaktika.org/contents/article/view/73 .

Kadi, T. & Awwaliyah, R. 2017. Educational Innovation: Efforts to Solve Educational Problems in Indonesia. Journal of Islam Nusantara, 1 (2).https://doi.org/10.33852/jurnalin.v1i2.32.

Kartiwi, Asti Putri, 2015, "Quality of School Academic Services", Journal of Educational Administration

Marpaung, Syafri Fadillah, (2021), Management Ethics. (Medan: Perdana Mulya Sarana)

Matin, (2016), Educational Management of Educational Facilities and Infrastructure, (Jakarta, PT Rajagrafindo Persada).

Medan: CV. Widya Puspita.

Megasari, R. (2014). Improving the Management of Educational Facilities and Infrastructure to Improve the Quality of Learning at SMPN 5 Bukittinggi. Journal of Educational Administration, 2, 638–831.

Mesiono, (2018), Effectiveness of Madrasah/School-Based Management from the Perspective of Ability and Power Leadership. PPMPI. Yogyakarta.

Mesiono. (2019). Islam and Management. Medan: Perdana Publishing

Mulyasa, E, (2020), School-based Management. (Bandung: PT Juvenile Rosdakrya).

Neliwati, Diktat: Qualitative Research Methodology, (Medan: Faculty of Tarbiyah and Teacher Training UIN-SU, 2020).

Parid, M., & Alif, ALS (2020). Management of Educational Facilities and Infrastructure. Tafhim Al-'Ilmi, 11(2), 266–275. https://doi.org/10.37459/tafhim.v11i2.3755

Government Regulation no. 19 of 2005 concerning National Education Standards.

Siahaan, Amiruddin, & Wahyuli Liusjen, (2010), Education Administration, (Medan: Cita Pustaka MediaRintis).

Wijaya, Candra, & Muhammad rifa'i, (2016), Fundamentals of management. (Medan: Prime publishing).

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