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## **Management of Facilities and Infrastructure in Improving the Quality of Learning in Madrasah Tsanawiyah Ibnu Sina Karawang**

**Sonia Yulianti**

Universitas Singaperbangsa Karawang, Indonesia

*e-mail: soniayulianti6@gmail.com*

**Abubakar Umar**

Universitas Singaperbangsa Karawang, Indonesia

*e-mail: abakar\_umar@yahoo.com*

### ***Abstract***

*In the implementation of learning and education, facilities and infrastructure are very important. The existence of management of facilities and infrastructure in educational institutions will be maintained and its use clear. If the existing facilities and infrastructure are inadequate, the implementation of the learning process in schools can be hampered and not run well. Vice versa, if the facilities and infrastructure are complete and supportive, they will be able to facilitate the learning process, because complete facilities and infrastructure will provide variations in the learning process. This study aims to determine how the management of facilities and infrastructure in improving the quality of learning at the Madrasah Tsanawiyah Ibnu Sina Karawang. It is carried out with a qualitative descriptive approach which is carried out by analyzing, describing, and summarizing various conditions obtained from a collection of information obtained from field interviews or direct observations regarding the problem in question. In managing facilities and infrastructure, MTs Ibnu Sina Karawang has implemented planning, procurement, and management of facilities and infrastructure. However, the condition of the facilities and infrastructure at MTs Ibnu Sina Karawang is still very minimal, with the condition of the rooms being lightly damaged and some heavily damaged, there is a leaky classroom roof, there is no library and laboratory space and the condition of the benches and tables are damaged. This is because there are still limited funds and budgets, and the number of students can be considered quite small. the existing funds are not sufficient to cover the costs in the management of facilities and infrastructure.*

**Keywords :** *management; facilities and infrastructure; learning*

## Introduction

The implementation of education and learning in its implementation requires one of the supporting factors that are quite important, namely facilities and infrastructure. If in the implementation of education facilities and infrastructure are not supportive, the implementation of the learning process cannot automatically run optimally, on the other hand, if the supporting and complete facilities and infrastructure will be carried out properly. With facilities and infrastructure facilities provide a diversity of good atmosphere in the learning process, either in general or in particular in the implementation of the education system in the school.<sup>1</sup>

To be able to support an educational process, facilities and infrastructure are very important, it is also stated in Article 45 of the Law of the Republic of Indonesia Number 20 of 2003 concerning the National education system which in essence explains that educational facilities both formal and non-formal are required to provide facilities and infrastructure that meet educational needs. and in CHAPTER VII article 42 paragraphs (1) and (2) of the Government Regulation of the Republic of Indonesia No. 19 of 2005 concerning National Education Standards which in essence explains that each education unit must meet the provisions of facilities that include various needs to support an orderly and continuous learning process.

The main thing in achieving a goal of education is the administration of supporting facilities and infrastructure, as a person who is involved in the world of education, of course, we are required to be able to understand and master various technical matters in the administration of infrastructure, to be able to achieve maximum and efficient improvement in the way of working and be able to appreciate ethics and work culture between educational personnel so that it is hoped that comfort can be created, harmony that can certainly cause a sense of pride and a sense of belonging both by school residents and from community members outside the school.

Therefore, it will be discussed further in this article regarding the technical implementation of the administration of school facilities and infrastructure. With the management of educational facilities and infrastructure in the education valley, of course, it will be maintained and the function of its usefulness is clear, it is very important. Especially the role of the principal as a person who handles directly the management of these facilities and infrastructure. With the management of facilities and infrastructure by the principal, of course, it can be planned by conducting further

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<sup>1</sup> Kompri, *Standardisasi Kompetensi Kepala Sekolah: Pendekatan Teori untuk Praktik Profesional* (Jakarta: Kencana, 2017), 132.

data collection on matters that include the form of facilities and infrastructure needed for schools that use them.

Mulyasa defines, which are classified as educational facilities include various equipment and equipment that will be used directly to help a learning process, more specifically in the process of learning activities such as the main building room, classrooms, tables and chairs for learning or tools and media used in learning, while what is meant by educational infrastructure includes a component that supports the process of learning activities teaching and having an influence in the achievement of educational goals in accordance with predetermined qualifications.<sup>2</sup>

MTs Ibnu Sina Karawang is a school located in West Karawang District, Karawang Regency, MTs Ibnu Sina Karawang is one of the madrasahs that has inadequate facilities and infrastructure in terms of the teaching and learning process of students. Based on the results of preliminary observations made by researchers, the facilities in the MTs Ibnu Sina Karawang school such as tables and chairs of study there are many that are damaged and have not been corrected which makes students uncomfortable when they carry out learning activities and during other activities in the classroom.

The infrastructure contained in Mts Ibnu Sina Karawang is inadequate, because there are bathrooms that are not suitable, in MTs Ibnu Sina Karawang, the condition of the school yard with soil contours that when rained is flooded becomes muddy, even though it is the only road used when leaving school or after returning home, the condition of other infrastructure facilities is also arguably not good or not feasible. With the initial circumstances known through the initial observations above, the researcher intends to conduct research on "Management of Facilities and Infrastructure in Improving the Quality of Learning in Madrasah Tsanawiyah Ibnu Sina Karawang"

## Method

The type of study used in this study is in the form of a literature study obtained by collecting information or scientific work about library personality values. This survey was conducted by combining descriptive and qualitative research. For this method, I Made Winarta describes a qualitative descriptive analysis process that analyzes, describes and summarizes the various conditions obtained from the collection of information obtained from field interviews or direct observations

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<sup>2</sup> Isnawardatul Bararah, Pengelolaan Sarana dan Prasarana Pendidikan Dalam Meningkatkan Kualitas Pembelajaran, *Jurnal Mudarrisuna* Vol. 10 No. 2. 3

regarding the problem in question. Literary studies are theoretical and reference studies that are closely related to norms, values, and cultures that are dynamic in the socialization situations surveyed.<sup>3</sup> This is very important because research is inseparable from scientific literature. The literature research stage consists of identifying the topic in question, collecting data (related literature), classifying and analyzing data, and drawing conclusions. The secondary data sources obtained in this study are written sources. Written sources such as those contained in books, articles, journals, journals, internet media, archives, official documents, and other works that are interconnected and closely related.

## **Results and Discussion**

An effort to be able to utilize the entirety of educational facilities and infrastructure effectively and optimally by emphasizing a process including the process of planning, conditioning, supervision and an evaluation in an effort to be able to achieve ideal education and learning is the definition of facilities and infrastructure management. While the definition of educational equipment is all aspects that teachers and students use in the educational process. The scope is limited only to hardware and software, hardware such as buildings and library tools, while the software is in the form of learning methods, curriculum used, and educational administration.<sup>4</sup>

Educational resources that are important and need to be managed properly are facilities and infrastructure, because they are one of the inseparable parts of education management. These managements that need to be considered include buildings, facilities used in the learning process to administrative equipment. One of the elements of education management is infrastructure. Because its role is very important in the course of learning activities, and should not be ignored because its role is very vital to make comfort in the learning process and students' understanding of the material presented by educators in this case is that teachers can be easily understood and learning activities can be more efficient and effective.

### ***Planning of Educational Facilities and Infrastructure***

A process of intellectualization and continuity that is carried out with an analysis, formulation, consideration and ending with deciding on the satisfaction

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<sup>3</sup> Sugiyono, *Metode Penelitian Kuantitatif, Kualitatif, dan R&D* (Bandung : Alfabeta, 2013), 291.

<sup>4</sup> Rahmat, *Pendidikan Agama Islam Analisis Kebijakan Pendidikan Agama Islam Indonesia Era 4.0* (Malang:CV Literasi Nusantara Abadi, 2018), 71-72.

taken is the definition of educational planning. The satisfaction benchmark taken must of course have high consistency and systematically relate to various other decisions in the field itself and in other fields. In its construction, there are no deadlines for one form of activity, and it does not have to be in one preliminary activity by another.

Planning of educational facilities and infrastructure can be described as a complexity that must be attached to a strategic plan for sustainable development, be it in the national, regional or local sectors, the planning is an integrated planning system with development planning. Planning for the needs of educational facilities and infrastructure depends on a type of educational program as well as the objectives that have basically been planned and set.

Planning of facilities and infrastructure in programs in educational institutions is a step in the process of determining the needs of facilities and infrastructure to be implemented by referring to the conditions of existing facilities and infrastructure. The planning goes through various stages, including school coordination meetings, meetings to determine the needs of both infrastructure. This must be carried out in order to create good implementation in the future. If one of these stages is not implemented, of course, it can cause serious problems in future implementation.

a. School Coordination Meeting

School coordination meeting Is one of the joint meetings held at the beginning of the semester calendar in order to discuss school programs that discuss the need for facilities and infrastructure to support school programs. This meeting was attended by parties in the school, which was carried out by discussing and providing input to each other for an agreement in meeting the needs of facilities and infrastructure as well as an agreement on school programs. This meeting is certainly expected to provide a clear picture of the program that will be implemented in the future which has been agreed upon by various parties in the school.

b. Determination of the needs of facilities and infrastructure in the program

The determination here in the program is a step is a step in determining the needs of the facilities and infrastructure needed and supporting the running of a school program that was previously agreed upon. This determination is carried out at the school coordination meeting and the determination process is based on the results of deliberations from the parties, including teachers and administrative staff who have been mutually agreed upon.

### ***Procurement of Educational Facilities and Infrastructure***

Procurement is all activities in the context of providing all the needs of educational facilities and infrastructure, after planning something, there is a need for procurement in order to realize the goals to be achieved. The procurement can be done by making, buying, or renting the necessary tools and materials to improve the quality of education in the school. In the context of education, procurement is all technical activities carried out by providing all the needs of goods or services that have been planned in advance in order to help the teaching and learning process activities to run effectively and efficiently in accordance with the goals to be achieved.

The procurement of facilities and infrastructure in educational institutions aims to meet the needs in accordance with the development of predetermined programs. The procurement has the function to replace items that have been damaged or lost, and other causes can be accounted for. With this procurement process, of course, it is hoped that the existing inventory of goods every year can be maintained properly.

Adjustment of existing needs in the procurement of educational facilities and infrastructure is aimed at an efficiency, be it the type and specifications or the quantity, place and time with prices and sources that can be accounted for. It is necessary to have a clear record of the tools that need to be held in a school. This of course has a fairly good impact on the educational process and indirectly it supports the learning process in educational institutions.

In Madrasah Tsanawiyah Ibnu Sina Karawang to meet the needs of furniture, the procurement is carried out by buying directly to the seller, for example chairs and tables, and other needs are also carried out in the same way, namely buying directly. If there is a shortage of stationery and the like, it is purchased for weekly or monthly needs. For the procurement of school package books, purchases can be held and also wait for the receipt of assistance from the government

### ***Management of Educational Facilities and Infrastructure***

Management is a set of activities or processes that begin with the process of planning, arranging, supervising, working until the end with the final process, namely the realization of the objectives of the management. This management is a form of utilization and control of resources that have been planned in advance needed to be able to complete a work goal. Nationalization and directing efforts to achieve goals in the implementation of an activity that includes various functions, including

planning, implementing and supervising for a goal to be achieved running effectively and efficiently.<sup>5</sup>

In the implementation of the management of educational facilities and infrastructure, of course, there are several principles that must be considered in order to achieve the maximum to be aimed at. These principles according to Bafadal are:<sup>6</sup>

The principle of achieving goals, which in the learning process, educational facilities and infrastructure must be in a ready-to-use condition if implemented by school officials in an effort to achieve learning objectives in educational institutions.

- a. Efficiency, is a principle that the implementation of the procurement of facilities and infrastructure is carried out with various series of careful planning in order to hold optimal educational facilities and infrastructure at low cost. Similarly, the way it is used is done carefully with the intention of preventing waste.
- b. Administrative, is a principle that in the management mechanism of facilities and infrastructure in schools still pays attention to statutory norms and technical guidelines in its implementation carried out by the rightful party.
- c. Clarity of responsibility, is a principle that in managing educational infrastructure must be mandated to school personnel who are considered to be able to carry out their duties with full responsibility, if many are involved, it is necessary to formulate a clear description of duties and responsibilities for each school personnel in it.
- d. Cohesiveness, is a principle that in its implementation the management of facilities and infrastructure is certainly in its implementation with the efforts of school work and compact parties. Educational infrastructure aims to provide tools and media in the learning process so that students can achieve optimal, effective, and efficient learning goals. And it is expected to be able to provide services with professionals in the field of facilities and infrastructure in an effort to carry out an effective and efficient learning process. Bafadal explained that the objectives of managing educational facilities and infrastructure include the following:
  - a. To be able to strive in the procurement of educational facilities and infrastructure by using a planning and procurement system that is carried out

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<sup>5</sup> Tihalimah, Pengelolaan Sarana dan Prasarana dalam Peningkatan Mutu Peserta Didik di SD Negeri Alurmas Kluet Utara Aceh Selatan, *Jurnal Intelektualita* Vol 10, No 01 2021

<sup>6</sup> Djoko Sambodo, *Pengelolaan Sarana Prasarana Sekolah (MPPK-SAR)* (Jakarta: Direktorat Jenderal Guru dan Tenaga Kependidikan, 2019). 26-27.

with full prudence and accuracy, with good management of educational facilities and infrastructure equipment, it is hoped that all the equipment that has been obtained by the school is certainly expected to be of high quality and with good quality in accordance with its needs and designations and at an efficient cost.

- b. Strive for the use of facilities and infrastructure in schools appropriately, efficiently and
- c. c. Strive to maintain school facilities and infrastructure so that its existence is always in good condition and ready to be used if needed by all parties in the school.

The stages of managing facilities and infrastructure at MTs Ibnu Sina Karawang are that when there are new items, they are recorded into the receipt book and then grouped into a grouping of new items, if the goods are inventory items, they are recorded into the inventory master book and recorded into the inventory group book, if they are not inventory items, they are recorded into the master book instead of inventory, then recording is also carried out. on the stock book of goods.

As for the management activities of infrastructure, you must pay attention to various maintenance work, including:

- a) Maintenance that is carried out regularly and routinely and carried out continuously, for example, cleaning drains from accumulated garbage, cleaning the room from cobwebs. Cleaning the yard from garbage, cleaning window glass with cleaning liquid, cleaning the bathroom to always smell good and avoid diseases.
- b) Periodic maintenance carried out in a certain period of time such as checking doors, frames and other building supports that already look dull to make it look attractive again, repairing leaky roofs, resurfacing on walls that have peeled off, cleaning yards and rain logged places.
- c) Emergency care is maintenance carried out in the event of unexpected damage and if not treated as soon as possible, it is feared that it will be dangerous and detrimental, repairs that are temporary in nature but must be completed quickly. The treatment is carried out independently and must be scheduled for immediate permanent repairs.
- d) Preventive maintenance is a treatment that is carried out at a certain time and the implementation of the treatment is carried out in stages or periodically with several previously determined classifications.'

MTs Ibnu Sina Karawang in managing facilities and infrastructure does not pay attention to various kinds of technical activities as mentioned above, the activities



carried out only cover a few aspects and are not thoroughly in accordance with the existing technical implementation. This happens because there are limited funds and budgets to manage facilities and infrastructure as well as the number of students who are arguably very small. The management of facilities and infrastructure is a very essential activity for schools, because its existence is very supportive of the success or failure of a learning in the school, for the suboptimal management it will certainly hinder the improvement of the quality of learning in MTs Ibnu Sina Karawang.

## **Conclusion**

Educational facilities and infrastructure are one of the most essential things in the implementation of education, because they are included in educational resources which basically certainly have a major influence on the learning process and outcomes. With good management of facilities and infrastructure, of course, it is hoped that it can help teachers in schools in an effort to create an ideal and good learning atmosphere and conditions for students and is expected to achieve effective and efficient learning indicators, good management of facilities and infrastructure management can improve the quality of learning because of the achievement of the quality of learning achieved through the creation of learning experiences that students experience with various facilities that support learning activities are certainly expected to achieve maximum learning outcomes.

In carrying out the management of facilities and infrastructure, MTs Ibnu Sina Karawang has implemented planning, procurement and management of facilities and infrastructure. However, the condition of the existing facilities and infrastructure in MTs Ibnu Sina Karawang is still very minimal, with the room being lightly damaged and some heavily damaged, there is a leaky classroom roof, it does not have a library and laboratory room and the condition of the benches and tables is damaged. In terms of improving the quality of learning, it is still not optimal because the media used in learning as teaching materials is still incomplete and is still not comfortable in carrying out teaching and learning activities. This is because there are still limited funds and budgets, as well as the number of students who are arguably quite small. the existing funds are not enough to meet the costs in the management of facilities and infrastructure management.

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