



Management of Infrastructure in Madrasah Educational Institutions

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ABSTRACT

The aim of this research is to determine the management or management of advice and infrastructure in madrasah or school educational institutions. The research method used is the research method used in this writing literature study which focuses on searching for sources through books, journals, and available literature. The results of this writing are (1) **planning of facilities and infrastructure** in educational institutions including design or purchase planning, procurement of facilities and infrastructure, and equipment distribution planning; (2) **organization of facilities and infrastructure** including (a) grouping of facilities and infrastructure (b) room arrangement; (3) **implementation** includes the procurement and utilization of facilities and infrastructure contained in educational institutions so that the use of infrastructure to support activities or teaching-learning processes can run effectively and efficiently; (4) **evaluation of facilities and infrastructure** in educational institutions is carried out continuously and re-planned, namely by looking at how effective and efficient the facilities and infrastructure in educational institutions are so that in the future, better improvements can be made because the facilities become a factor in the continuity of learning activities.

INTRODUCTION

Implementing good education in Islamic educational institutions is not an easy thing, but the implementation of good management and strategies carried out by human resources in these madrasas is able to compete with other schools, so that they continue to survive and develop amidst the onslaught of an increasingly sophisticated era and increasingly fierce competition and strong, as an Islamic-based educational institution it is appropriate to maintain its existence. Madrasah educational institutions need to develop continuously, good relationships between teachers, and a positive madrasa climate and atmosphere are needed (Yusutria 2019) . Apart from that, the physical arrangement and administration of madrasas cannot be separated from the function of management as a science or art of organizing and managing, therefore understanding and mastery of this management science is needed so that the management of educational institutions runs according to its objectives. The role of educational practitioners in educational institutions to organize a good education system needs to be well developed, including those practitioners, both Islamic boarding school leaders, school principals and related leaders in these institutions so that the leaders have a strong vision to carry out the main tasks of implementing a quality education system. One of the successes of an educational institution is inseparable from the facilities and infrastructure that support the process of supporting learning, apart from that, good facilities and infrastructure can be a competitive advantage for an educational institution to continue to exist among other educational institutions so as to attract the attention of the public to send their children to school. at these educational institutions (Yanto 2023) .

Management of Islamic educational institutions has a strategic position in education quality improvement programs together with other supporting components, by implementing managerial processes of planning, organization, implementation, supervision and evaluation. The application of management functions supports the realization of an effective and efficient Islamic educational institution. It is interesting to ask what is the management process carried out in Islamic educational institutions in managing the advice and infrastructure of educational institutions?

THEORETICAL REVIEW

Management

Management is the process of planning, organizing, directing, and supervising resources (such as people, money, time, and facilities) to achieve specific goals efficiently and effectively. In the context of infrastructure management in Madrasah educational institutions, management includes all activities related to the maintenance, development, and optimization of physical infrastructure and other resources that support daily educational and operational activities.

Madrasah

Madrasah is an Islamic educational institution that specializes in providing Islamic religious education and often also teaches academic subjects

that are common in other schools. The following are the definitions and main characteristics of Madrasah as an Islamic educational institution:

Madrasah comes from the Arabic word "madrasah" which means school or place of learning. Traditionally, Madrasah is an Islamic educational institution established to teach Islamic religious knowledge to students. Education in Madrasah usually includes the study of the Qur'an, Hadith, Fiqh (Islamic law), Aqidah (Islamic theology), Islamic History, and Arabic.

Infrastructure

Infrastructure refers to everything that is the basis or support to achieve certain goals or activities. In general, the definition of infrastructure includes all physical facilities, infrastructure, and resources needed to support an activity or process. Infrastructure can be in the form of various elements, such as buildings, highways, bridges, transportation systems, water resources, electrical systems, and so on. In the context of education or educational institutions such as Madrasahs, infrastructure includes all physical facilities needed to support the teaching and learning process and daily operations. This includes classrooms, libraries, laboratories, administrative rooms, sports facilities, computer facilities, internet networks, security facilities, as well as other supporting facilities needed to support educational activities.

Infrastructure management, including planning, development, maintenance, and improvement of these facilities, is critical to ensuring optimal learning conditions and environmental safety for students and staff. In the context of an organization or business, infrastructure management can also include asset management, capacity planning, and infrastructure sustainability to ensure maximum efficiency and productivity in running day-to-day operations.

METHODOLOGY

The research method used in this writing uses literature study which focuses on searching for sources through books, journals and available literature. The approach used in this research uses a qualitative approach. According to Sugiyono, quoted by Sahir, the qualitative research method is a research method based on the philosophy of postpositivism which is used to examine a natural object, where in research, the researcher has a position as a key instrument (Sahir 2021). Another opinion was expressed by Mantra in Sandu's book. Siyoto qualitative method is research that produces descriptive data in the form of words (Siyoto and Sodik 2015).

RESULTS

Management according to Hasibuan quoted by Mustari, management means a science and art of managing the process of utilizing human resources and other resources effectively and efficiently to achieve a certain goal (Mustari 2013). Management has the meaning of managing or managing, the word management in Arabic means *idaarah*, originating from the word *adaarah* which means to organize (Zohriah and Diba 2023).

The meaning of management in a broad sense is planning, organizing, directing and managing organizational resources to achieve goals effectively and efficiently (Adilah and Suryana 2021) . While Ramayulis (2009) stated that the same meaning as the essence of management is *al-tadbir* (regulation) this word is a derivation from the word *dabbara* (to manage) which is widely found in the Qur'an such as the words of Allah SWT in Surat As-Sajdah [32]: 5

يُذَبِّرُ الْأُمْرَ مِنَ السَّمَاءِ إِلَى الْأَرْضِ ثُمَّ يَعْرُجُ إِلَيْهِ فِي يَوْمٍ كَانَ مِقْدَارُهُ أَلْسِنَةً مِّمَّا تَعْدُونَ {السَّجْدَةُ : 5 }

Meaning: *He regulates affairs from heaven to earth, then (affairs) ascend to him in one day which is a thousand years according to your calculations.* (QS. As-Sajdah [32]: 5)

According to Romlah (2016) educational management is defined as managing all institutional needs in education in an effective and efficient manner. Sondang P. Siagian as quoted by Sandi et al. Explains that human resource management is the most important element in educational institutions (Qalka Sandi, Ahmad Syukri, and Kasful Anwar US, 2019). Human resources in an educational institution have an important role in ensuring that management processes in the institution run well because those carrying out these processes are stakeholders in the institution.

Facilities are something that is no less important in an educational institution to support the smooth running of the learning process in educational institutions. Qomar stated that facilities are a set of equipment that can be directly used in the educational process, consisting of buildings, classrooms, tables, chairs and the teaching media used. Meanwhile, infrastructure is a set of basic equipment that is used but supports the process of implementing education, such as school grounds, school fields, gardens or school gardens. So management of educational institution (school) infrastructure is the process of managing, utilizing and regulating each school equipment resource effectively and efficiently to achieve the vision of good education in educational institutions. The infrastructure management process includes several management functions, namely planning, organization, implementation and supervision.

Planning is basically defined as a systematic and rational thinking process regarding what, how, who and when an activity is carried out in order to improve the quality of education in Islamic educational institutions effectively and efficiently so that the objectives of the educational program that have been formulated can be achieved well (Jeka et al. 2024) .

Organizing is the process of grouping madrasa staff carried out by the leadership of Islamic educational institutions as organizers with all the specifications of their respective duties and positions, as well as the necessary infrastructure to create a cohesive group to achieve the goals of Islamic educational institutions.

Implementation is a function intended to provide encouragement or motivation for human resources to carry out work in accordance with plans that have been determined together.

Supervision within an Islamic educational institution can be interpreted as a systematic effort by the head of an Islamic educational institution to monitor,

assess and develop teaching and learning process activities so that they run according to plan to achieve good results. The next step is evaluation, after carrying out supervision carried out by educational leaders, it is necessary to carry out an evaluation to measure the extent to which the implementation has been carried out in accordance with the plan or not. So that this evaluation becomes a benchmark for the formula for planning and implementation.

The management processes described above need to be mastered by an institutional leader. It can be said that these management processes are an organic function in educational management. The inability of leaders to carry out these functions will make it difficult to manage educational programs (Dandung, Andiny, and Sulistyowati 2022) .

Implementation of facilities and infrastructure management functions in educational institutions:

1. Planning (*Planning*)

Planning is a series of actions taken to determine programs and utilize the resources owned by an educational institution to achieve future goals optimally. The planning process consists of several stages, including:

- a. Determine the formulation of goals
- b. Formulate wisdom
- c. Carry out procedure formulation
- d. Progress scale planning
- e. Planning is total

School principals in educational institutions are not only responsible for the smooth running of learning activities, it should be noted that the school environment is also the responsibility of the school principal starting from repairing school buildings, adding rooms, adding facilities and infrastructure, which are needed by students, teachers and others, from This means that careful planning is needed for the sustainability of educational institutions in the short, medium and long term (Pananrangi 2017) .

In planning facilities and infrastructure in educational institutions, they include:

- a. Design or purchase planning
- b. Procure facilities and infrastructure
- c. Equipment distribution planning (Sari 2017) .

2. Organization (*Organizing*)

Organizations focus more on understanding organizations as dynamic organizational functions. Organization in the dynamic sense means that the implementation of organizational functions is carried out by dividing work, arranging and placing people who carry out predetermined tasks, including arranging equipment, facilities, infrastructure and so on. The function of an organization is to direct managers to divide members according to their duties, allocate equipment and resources to support the achievement of the goals that have been planned in the planning process created (Husaini and Fitria 2019) .

Implementation of the function of *organizing* facilities and infrastructure in Islamic educational institutions has several important aspects consisting of grouping facilities and infrastructure and arranging rooms.

a. Grouping of facilities and infrastructure

In connection with the grouping of tasks in educational institutions (schools), it is necessary to group the infrastructure available in educational institutions by selecting the facilities that are still good. Apart from that, this grouping of facilities and infrastructure is carried out to find out which facilities and infrastructure are still suitable so that the facilities can then be provided. new and improved infrastructure. Grouping tasks according to responsibilities and needs, appropriate division or grouping of tasks will help educational institutions increase efficiency and effectiveness in carrying out predetermined tasks, especially in providing educational institution facilities and infrastructure.

b. Room setup

The arrangement of rooms in educational institutions (schools) must be placed according to their function and appropriate in their arrangement. This will help increase the effectiveness of learning and teaching in Islamic educational institutions (schools). (Tanjung, Supriani 2022) This room arrangement includes the layout of classrooms, offices, laboratories and others as well as care and maintenance of facilities.

3. Implementation (*actuating*)

Actuating is an effort made to achieve the goals of an institution or organization based on planning *and* organizing efforts. Carrying out work and using tools can run well if every member plays an active role in carrying it out (Masri 2013) . Likewise, the new management process is implemented after the directing function is implemented. In the context of implementing functions in an educational institution, a leader or principal provides direction to guide, mobilize and organize all activities that have been determined. This direction can be done by persuasion or by persuasion and instruction, depending on which method is most effective. Direction is said to be effective if it is prepared and carried out well and correctly by every human resource in the educational institution. In the implementation context here is the procurement and utilization of facilities and infrastructure contained in educational institutions so that by using the infrastructure to support activities or teaching and learning processes they can run effectively and efficiently (Ellong 2018) .

4. Evaluation

Evaluation is one of the management functions that has an important role, in an educational institution that hopes to realize an increase in the quality of education in that institution, it must evaluate programs that help improve the quality of schools, including evaluating human resources for teachers, students, education staff and so on. . Evaluation can help measure the extent to which educational programs and objectives in the institution are running in accordance with predetermined plans. Apart from that, evaluation helps see and discover

the weaknesses and strengths of educational institutions and other resources (Syam, Mucthtar, & Juhanis, 2022).

According to Robert J. Mocker, quoted by Hani Handoko, evaluation is a standard of implementation in accordance with planning objectives, providing feedback, comparing real activities with previously established standards, determining and measuring deviations and carrying out corrective actions necessary to measure each resource. The people in an organization or company are used in the most effective and efficient way to achieve goals (Rukiyah and Ulfah 2020).

Evaluation in this context is that human resources play an important role in which every human resource in an educational institution has been grouped according to their respective duties, in this case also every facility and infrastructure contained in an educational institution is continuously assessed and planning again, namely by looking at how effective and efficient the facilities and infrastructure at the educational institution are so that in the future better improvements can be made, because facilities and infrastructure are a factor in the continuity of learning activities.

CONCLUSIONS AND RECOMMENDATION

Management in educational institutions It is very necessary that the principal as a leader in an educational institution should have the ability to carry out his duties, be responsible for educational activities, organize the teaching and learning process, manage every human resource contained in the educational institution by providing encouragement, motivation including in the management of facilities. and infrastructure of educational institutions. The management or management of infrastructure in educational institutions can be carried out by applying management functions, namely:

1. Planning of facilities and infrastructure in educational institutions including design or purchasing planning, procurement of facilities and infrastructure, planning equipment distribution.
2. Organization of facilities and infrastructure includes (a) grouping of facilities and infrastructure In connection with the grouping of tasks in educational institutions (schools), it is necessary to group the infrastructure available in educational institutions by selecting facilities that are still good, apart from that, this grouping of facilities and infrastructure is carried out to find out which facilities and infrastructure are still suitable so that they can then be provided. new facilities and infrastructure improvements, (b) room arrangements including classroom, office, laboratory and other layouts as well as care and maintenance of facilities.
3. Implementation includes the procurement and utilization of facilities and infrastructure contained in educational institutions so that the use of infrastructure to support activities or teaching-learning processes can run effectively and efficiently.

4. Evaluation The facilities and infrastructure in educational institutions are continuously assessed and re-planned, namely by looking at how effective and efficient the facilities and infrastructure in educational institutions are so that in the future better improvements can be made, because the facilities and infrastructure are a factor in the continuity of activities. learning.

FURTHER STUDY

In order to get more information about the title raised, it is suggested that future studies be conducted using a different research design and methodology. A deeper exploration into financial strategies and funding mechanisms for infrastructure in Madrasahs would provide valuable insights into sustainable resource allocation and long-term planning.

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