



## Implementation of Management System in Increasing the Quality of Education at SMP IT Ibnu Kaldun Marelan

<sup>1</sup>Amiruddin, <sup>2</sup>Ahmad Ardhi Mauluddin Sitorus, <sup>3</sup>Lydia Amelia, <sup>4</sup>Rahmiatul Zuhro, <sup>5</sup>Yusril Ardiansyah, <sup>6</sup>Zahara Ahmad Fauzi.

<sup>1</sup>Lecturer in Master of Management of Higher Education,  
Muhammadiyah University of North Sumatra

<sup>2,3,4,5,6</sup>Student at the State Islamic University of North Sumatra

<sup>1</sup>[amiruddin.spdi@umsu.ac.id](mailto:amiruddin.spdi@umsu.ac.id), <sup>2</sup>[ahmadardhi909@gmail.com](mailto:ahmadardhi909@gmail.com), <sup>3</sup>[lydiaamelia05@gmail.com](mailto:lydiaamelia05@gmail.com),  
<sup>4</sup>[rahmiatulzuhro@gmail.com](mailto:rahmiatulzuhro@gmail.com), <sup>5</sup>[yusri321@gmail.com](mailto:yusri321@gmail.com), <sup>6</sup>[ahmadfauzie252@gmail.com](mailto:ahmadfauzie252@gmail.com).

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### ABSTRACT

This research is to determine the planning, implementation, evaluation, and implementation of management information systems in improving the quality of the educational process. This research uses a qualitative approach, namely the research method used to examine the condition of natural objects where the researcher is the key instrument. This article aims to explain the topic of management information systems in improving the quality of education in an educational institution. This research was conducted using a qualitative-descriptive method. The results of the research show that the information system for education quality management is (a) the quality improvement planning process for the management information system. (b) Implementation of quality improvement in the use of management information systems at the school, implemented in the curriculum through: 1) self-development programs. 2) integration into all subjects, and 3) habituation. (c) Evaluation of quality improvement in the learning process by utilizing management information systems. In improving the quality of education, teachers as educators have a very important position and strategy in developing the potential of students. To increase the professionalism of educators in learning, it is increased through ways of attending upgrading, attending educational courses, conducting visits to other schools or comparative studies, increasing reading, establishing relationships with student guardians, increasing the use of methods, improving materials, and improving facilities and infrastructure. 2) integration into all subjects, and 3) habituation. (c) Evaluation of quality improvement in the learning process by utilizing management information systems. In improving the quality of education, teachers as educators have a very important position and strategy in developing the potential of students. To increase the professionalism of educators in learning, it is increased through ways of attending upgrading, attending educational courses, conducting visits to other schools or comparative studies, increasing reading, establishing relationships with student guardians, increasing the use of methods, improving materials, and improving facilities and infrastructure. teachers as educators have a very important position and strategy in developing the potential of students. To increase the professionalism of educators in learning, it is increased through ways of attending upgrading, attending educational courses, conducting visits to other schools or comparative studies, increasing reading, establishing relationships with student guardians, increasing the use of methods, improving materials, and improving facilities and infrastructure. teachers as educators have a very important position and strategy in developing the potential of students. To increase the professionalism of educators in learning, it is increased through ways of attending upgrading, attending educational courses, conducting visits to other schools or comparative studies, increasing reading, establishing relationships with student guardians, increasing the use of methods, improving materials, and improving facilities and infrastructure.

**Keywords :** *Implementation, Management Information System, Education Quality.*



## INTRODUCTION

In the world of education, what is needed is a system that can support information services effectively and efficiently. Seeing the amount of data that must be managed and completed in a timely manner, an action is needed that can provide maximum and timely results. Therefore, the world of education requires a strategy in the form of utilizing information systems that can be applied as a means of communication to significantly improve the performance of the world of education. Not only as a supporter, but as a major factor in supporting the world of education to compete in the global market. The Management Information System (MIS) has the benefits of increasing the efficiency and effectiveness of accurate and real-time data, improving the quality of human resources, due to coordinated and systematic work system units, increase productivity and cost savings in the organization. The use of management information systems in the field of education which is commonly called SIMDIK is very much needed in management, both in terms of managing academic administration, staffing administration, infrastructure administration, reporting administration and so on. However, what is often prioritized in educational institutions is the management of personnel administration, especially teaching staff, because educators are the most important element in the educational process. Good quality education starts from the learning process carried out by the teacher to students in the classroom. This can be seen in the national education system law number 20 of 2003, namely the duties and responsibilities of educators and educational staff, in an effort to educate the nation's children. Therefore, the success of educational institutions in providing education system services depends on the management of teaching and educational staff.

Educators and educational staff are important components in school administration. Continuity of quality learning is largely determined by the presence of qualified teachers. Indicators of teacher quality can be seen in terms of competence, namely personality, professional, social, and pedagogical. The mastery of these four aspects is the capital for quality learning and is the main pillar of overall school management. The experience of various schools shows that the active participation of education personnel can be an important factor in school progress. Therefore we need an information system and improve the quality of education that is good and reliable for the

implementation of an effective and efficient education.

## THEORITICAL REVIEW

According to Nurdin Usman, implementation is geared towards activities, actions, actions or the mechanism of a system, implementation is not just an activity, but an activity that is planned and to achieve the objectives of the activity. Guntur Setiawan argues, implementation is the expansion of activities that adjust to each other the process of interaction between goals and actions to achieve them and requires a network of implementers, an effective bureaucracy.

Management Information System (hereinafter referred to as SIM) is the application of information systems within the organization to support the information needed by all management level. Management Information System implies a group of people, a set of guidelines and selection of data processing equipment, storing, processing and using data to reduce uncertainty in decision making by providing information to managers so that it can be used efficiently on time.

Objectives of Management Information Systems Management information systems have the objective of designing and implementing procedures, processes and routines that provide detailed reports in an accurate, consistent and timely manner.

Management of education management information systems can be used in the implementation of the educational process, as an effort to improve the quality of learning. Management information systems can support the improvement of the quality of learning so that educational goals can be achieved, namely to produce quality graduates.

According to (Zulkifli, 2001) emphasized that "*Information itself is data that has been formed or manipulated according to certain needs, while data are facts that have been written in the form of notes or recorded into various forms of media (computers for example)*". Information is also defined as data that has been compiled in such a way that it is meaningful and useful because it can be communicated to someone who will use it to make a decision.

This is according to (Fattah, 2004) that "*a policy change is needed in the field of education management with the principle of giving authority in managing and making decisions in accordance with the demands and needs of each school locally*".

Management information systems are specifically designed to meet the needs of schools or other educational institutions that want computerized educational services to improve performance, service quality, competitiveness and the quality of the human resources they produce. Information technology plays an important role in improving the performance of an organization. Its use is not only as an automation process for information access, but also creates accuracy, speed, and completeness of an integrated system so that organizational processes that occur will be efficient, scalable, flexible. Utilization of information technology is a necessity that cannot be negotiated anymore, because the availability of integrated information is increasingly important in supporting efforts to create an efficient and competitive company/organization system.

**The Role of Management Information Systems** The management information system is tasked with filtering based on organizational needs, which are oriented to support the effectiveness of decision making from school principals. One of the important tasks of a school principal is making decisions regarding educational institutions. As a basis for decision making for school principals is a management information system. An information can be material for decision makers at a certain stage, but it can also be raw material for decision makers for the next stage.

Quality is essential as part of the educational process. The learning process is the goal of educational organizations. The quality of education is the quality of graduates and services that satisfy education related parties. The quality of graduates relates to graduates with good grades (cognitid, affective, and psychomotor) who are accepted to continue to a higher level who are qualified and have a good personality.

The quality of education are two terms that come from quality and education, meaning that they refer to the quality of products produced by educational institutions or schools. That is, it can be identified from the number of students who have achievements, both academic and other achievements, as well as graduates relevant to the goals. According to the definition above, a quality school has several indicators, namely: First, a large number of students, this indicates that the community's enthusiasm for educational institutions is very high. Second, have academic and non-academic achievements. Third, graduates are relevant to the goals of educational institutions, meaning that they are in accordance with the standards set by the school.

Sallis (2005: 1-2) reveals that there are many indicators of good quality in educational institutions. Among others: 1) high moral/character values; 2) excellent test results; 3) support from parents, the business community and the local community; 4) abundant resources; 5) implementation of the latest technology; 6) strong leadership and have a purpose (vision); 7) care and concern for students; 8) a balanced and relevant curriculum.

## RESEARCH METHODS

### 1. Research methods

The research method used by researchers in this study is a qualitative approach with descriptive methods. "Methodology is the process, principles, and procedures that we use to approach problems and seek answers" (Mulyana, 2008: 145).

According to Sugiyono (2007: 1), a qualitative research method is a research used to examine natural objects where researchers are key instruments, data collection techniques are carried out in combination, data analysis is inductive, and qualitative research results emphasize meaning rather than generalization. .

Qualitative research aims to maintain the form and content of human behavior and analyze its qualities, instead of turning them into quantitative entities (Mulyana, 2008: 150).

The purpose of this descriptive research is to make a systematic, factual and accurate description, picture or painting of the facts, characteristics and relationships between the phenomena investigated. or interview guidelines or questionnaires or documentary guidelines, according to the method used (Gulo, 2000).

Instruments are tools or facilities used in research to collect data so that work is easier and the results are better, so they are easy to process (Arikunto, 2006). Data collection instruments according to Sumadi Suryabrata are tools used to record in general quantitatively the state and activity of psychologists' attributes. These psychological attributes are technically usually classified into cognitive attributes and non-cognitive attributes (Suryabrata, 2008). Ibnu Hadjar argues that the instrument is a measuring tool used to obtain quantitative information about the variation of variable characteristics objectively (Ibnu Hadjar, 1996).

### 2. Types of research

Descriptive research is a research method that describes the characteristics of the population or

phenomenon being studied. So that this one research method is the main focus is to explain the object of research. So that answers what events or what phenomena occur.

This research method is then different from other methods which tend to focus more on discussing why an event or phenomenon occurs. Where the events and phenomena referred to here are the objects of research. The results of the research will of course describe the object of research in detail at the IT Ibnu Kaldun Marelan Middle School.

### 3. Research Subjects

The research subjects are teachers, places, or objects that are observed in the context of characterizing as targets (Indonesian Dictionary, 1989: 862). The research subject in this paper is the principal of the "IT Ibnu Kaldun Marelan Middle School" school.

## RESULTS AND DISCUSSION

The development of management information systems in educational institutions is urgently needed, because in the face of global competition educational institutions are required to provide information more quickly, accurately and conveniently which is part of service quality, so that it will become a competitive advantage. Services offered by institutions can be improved through service quality elements. Educational institutions are organizations that provide services to internal and external stakeholders. Internal stakeholders consist of all institutions within the school (such as foundations, study programs, and student activity units) and the actors within them (such as students, teachers, administration, and other staff). Implementation of management information systems in support of staff services educators cover three aspects, namely: (1) Planning is an absolute requirement for every administrative service activity for educators, (2) Implementation is an action or implementation of a plan that has been prepared in a mature and detailed manner, implementation is usually carried out after the plan is considered ready. In simple terms, implementation can be interpreted as implementation, namely the implementation of management information systems in supporting the services of teaching staff, (3) Evaluation is an assessment of the work that has been carried out. The results of the assessment are used as a reference in making improvements and improvements, to achieve the goals that have been set. In this case it is to evaluate the implementation of management information

systems in supporting the services of teaching staff. (2) Execution is an action or implementation of a plan that has been prepared in a mature and detailed manner, implementation is usually carried out after the plan is considered ready. In simple terms, implementation can be interpreted as implementation, namely the implementation of management information systems in supporting the services of teaching staff, (3) Evaluation is an assessment of the work that has been carried out. The results of the assessment are used as a reference in making improvements and improvements, to achieve the goals that have been set. In this case it is to evaluate the implementation of management information systems in supporting the services of teaching staff. (2) Execution is an action or implementation of a plan that has been prepared in a mature and detailed manner, implementation is usually carried out after the plan is considered ready. In simple terms, implementation can be interpreted as implementation, namely the implementation of management information systems in supporting the services of teaching staff, (3) Evaluation is an assessment of the results of work that has been carried out. The results of the assessment are used as a reference in making improvements and improvements, to achieve the goals that have been set. In this case it is to evaluate the implementation of management information systems in supporting the services of teaching staff. Implementation is usually done after planning is considered ready. In simple terms, implementation can be interpreted as implementation, namely the implementation of management information systems in supporting the services of teaching staff, (3) Evaluation is an assessment of the work that has been carried out. The results of the assessment are used as a reference in making improvements and improvements, to achieve the goals that have been set. In this case it is to evaluate the implementation of management information systems in supporting the services of teaching staff. Implementation is usually done after planning is considered ready. In simple terms, implementation can be interpreted as implementation, namely the implementation of management information systems in supporting the services of teaching staff, (3) Evaluation is an assessment of the work that has been carried out. The results of the assessment are used as a reference in making improvements and improvements, to achieve the goals that have been set. In this case it is to evaluate the implementation of management information systems in supporting the services of

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Based on the results of the study, the implementation of improving the quality of education by utilizing management information systems has been carried out according to the stages of education management. SMP IT Ibnu Kaldun Marelau is able to optimize the functions of education management in the learning process by utilizing a management information system which includes planning, implementation and evaluation. The connection with this is that management is an ability to direct and achieve goals by empowering human resources through a process consisting of stages starting from planning, organizing, directing, and supervising. Management also contains the use of existing resources to achieve educational or school goals according to the school's vision and mission. So that the management function and human resources are involved in efforts to achieve the goals of an organization. The resources contained in management, namely humans, materials, facilities and infrastructure, methods, financing, and information. Resources are limited, so the task of the manager, in this case the school principal, must be able to manage these limited resources effectively and efficiently to achieve their goals, both program goals and the organization in general. The planning made by the school is based on the stages of planning objectives, planning material, planning process, involvement of all parties in planning and budget planning. The elements involved in the preparation of the school work plan are the principal, deputy head of curriculum, teachers, education staff, school committees and students represented by OSIS. Planning for implementing activities to improve the quality of the learning process by utilizing management information systems is carried out through several strategies.

The planning strategy refers to the vision, mission and goals of each school. In addition, the policy for compiling programs for implementing activities to improve the quality of the learning process by utilizing management information systems based on phenomena and facts in the school and community environment shows that the implementation activities for improving the quality of the learning process by utilizing management information systems are optimal in accordance with

the objectives of using management information systems. As for the basis for preparing school work programs, namely the vision, mission and goals of the school as well as laws and regulations related to the implementation of improving the quality of the learning process by utilizing management information systems.

The implementation of improving the quality of the educational process by utilizing management information systems at the educational unit level of SMP IT Ibnu Khaldun must pay attention to all of these management elements. Efforts to improve the quality of education must begin with revamping schools, in addition to improving the quality of teachers and developing learning resources. The purpose of establishing a management information system is so that the organization has a system that can be relied upon to process data into useful information in making management decisions, both concerning routine decisions and strategic decisions. Thus a management information system is a system that provides organizational managers with data and information relating to the implementation of organizational tasks.

Therefore, in carrying out the implementation of improving the quality of the learning process by utilizing management information systems, the principal has an important role as a manager in determining the direction of success, both in achieving specific organizational goals and national education goals in general, including the implementation of improving the quality of the learning process with the use of management information systems. In order for the implementation of improving the quality of the learning process by utilizing the management information system to achieve the objectives according to the program plan that has been formulated by the school, the school's integrated management must focus on improving its quality.

The implementation of improving the quality of the learning process by utilizing management information systems is realized by schools through all activities in schools. Implementation of improving the quality of the learning process by utilizing management information systems in schools, including in this case teaching and learning activities. The management information system is an entity that has sections that have specific tasks. The problems faced by schools, both internally and externally, are common, including in the implementation of improving the quality of the learning process by utilizing management information systems. However, the problems that become obstacles can be used by

the school as a challenge and an opportunity to make improvements in the future. These efforts are in order to minimize problems that arise as a positive solution to implementing activities to improve the quality of the learning process by utilizing management information systems in schools. The quality management approach must be the school's commitment as an education provider to provide better service.

## CONCLUSION

The implementation of improving the quality of the learning process using a management information system with an educational management approach has carried out management functions which include planning, implementation and evaluation. In carrying out the education management function, the principal as the manager is responsible for improving the quality of the learning process by utilizing management information systems. The implementation of improving the quality of the learning process by utilizing management information systems is realized by schools through all existing academic administrations in schools. This has an impact on improving the quality of the learning process. The facts on the ground are still not optimal and the results are not as expected by all parties. This is caused by several factors which are indicated as obstacles, both internal and external. So that the Ibnu Kaldun Marelan IT Middle School continues to improve itself in organizing learning by utilizing management information systems.

Utilization of management information systems as a quality education service system. Which is where the quality of education will be managed and empowered through an educational information system. To realize the vision and improve the quality of teaching staff, it must comply with educator and educational standards. So the use of a management information system is not just for use, but a mandatory step to carry out its mission. Maintenance of the management information system must be prioritized in order to serve educators and their educational staff in order to realize the quality of

teaching and educational staff in accordance with educator and educational standards.

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