

Implementation of the Management Information System at the Community Learning Activity Center "Smart Bangun Negeri"

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Abstract: *The management information system supports the implementation of activities at the Smart Bangun Negeri (SBN) Community Learning Activity Center (PKBM) Bogor Regency. This research aims to describe implementing the management information system in the PKBM SBN Bogor Regency. This research uses a qualitative method with a descriptive approach. Data collection uses interview, observation and documentation techniques. Analysis was carried out using a descriptive approach. The research results show that the management information system in PKBM SBN is included in the quite optimal category. PKBM SBN faces several obstacles. It will be corrected by the PKBM SBN management to optimize its role in society.*

Introduction

The Community Learning Activity Center (PKBM) is one of the non-formal education units (Almaidah, 2017). PKBM is implemented based on Law Number 20 of 2003 article 1 point 1 (Islami, 2022). PKBM is a forum for various community learning activities directed at empowering potential to drive development in the social, economic and cultural fields (Hadiyanti, 2008). The programs held at PKBM can be diverse and unlimited (Rasam et al., 2022). However, it must follow the conditions, potential and needs of the community where the PKBM is located or be said to be relevant, and the programs must be meaningful and valuable (Hastuti et al., 2022). Thus, these programs include Equality Education A, B, and C, Literacy Education, Citizenship Education, and Homemaking (Hakim et al., 2021).

PKBM is held to expand opportunities for community members, especially those who cannot improve the knowledge, skills and mental attitudes needed to develop themselves and work to earn a living (Rambe & Parinduri, 2020). Because the student segment is children or people who have dropped out of school and have to work to earn a living, PKBM must make it easy for prospective students to access teaching and learning activities (Anggaira, 2021). Apart from that, PKBM must also be able to provide clear and easy-to-understand information for prospective students (Basitoh, 2021). This easy access to information is essential for the success of PKBM in contributing to the nation's intelligent education (Herwina & Qomariah, 2021).

Management information systems are one of the information systems that PKBM organizers must have (Imansyah, 2019). Information technology systems in education are commonly used in schools (Nuraisah et al., 2021). However, forms of information management systems are also starting to be used in schools, ranging from simple to complex. The information management system currently best known by school administrators is the government database, filled in every time for educational data collection purposes, such as Dapodik and Padamu Negeri (Sa'adah et al., 2021).

Information is also one of the pillars of education (Nurohman, 1970). Information processed in the world of education is in the form of an information system. Since the school was founded, an educational management information system has also been running. Implementing an education management information system will affect the image of educational organisations. The image of an educational organisation is influenced by leadership, human resources, strategic

policies, management, processes, customer satisfaction and social responsibility. Controlling the quality of information services is the duty and responsibility of every organisational unit employee to provide satisfaction to students. Before raising the problem, researchers carried out a small preliminary study at PKBM Smart Bangun Negeri Jl. The charm of Ciangsana, Gunung Putri District, Bogor Regency. Initial research results showed that PKBM Smart Bangun Negeri is a skills-based educational institution. The graduates are expected to gain more value. It can be seen from the flagship activity of PKBM Smart Bangun Negeri, namely free computer training.

Method

This research uses a qualitative method with a descriptive approach (Bahri et al., 2021). The descriptive approach is described in words and language in a particular natural context and utilizing various scientific methods (Bahri et al., 2021; Bahri & Khumaini, 2020; and Syahriza et al., 2019). This research also uses a literature study approach (Bahri & Khumaini, 2020). In this research, the researcher uses a survey method to interact directly with the research subjects or test subjects and uses an unstructured interview method (free interviews). Generally, survey research is carried out to draw generalizations from observations that could be more in-depth. However, unlike the experimental method, which requires a control group. Generalizations in survey research can be more accurate if used on representative samples.

Result and Discussion

PKBM Smart Bangun Negeri

Based on Table 1, PKBM Smart Bangun Negeri was founded in 2018. PKBM Smart Bangun Negeri, with Accreditation C, uses the 2013 Curriculum. As of October 1 2013, PKBM Smart Bangun Negeri had 401 students of 244 men and 157 women. In detail, the PKBM Smart Bangun Negeri profile is explained in Table 1.

Table 1. Profile of PKBM Smart Bangun Negeri

Items	Uraian
NPSN	P9970663
Status	Swasta
Forms of Education	Community Learning Activity Center (PKBM)
Ownership status	Foundation
School Establishment Decree	10/SK/FPBN/III/2018
Date of Establishment Decree	2018-03-13
Operational Permit Decree	421.10/081/00011/DPMPSTSP/2018
Date of Operational Permit Decree	2018-07-18

Sumber: <https://dapo.kemdikbud.go.id>, per 29 September 2023.

PKBM Smat Bangun Negeri is also equipped with facilities and infrastructure that support the implementation of PKBM activities. Based on the results of interviews and observations at PKBM Smart Bangun Negeri, several areas influence the implementation of education: Curriculum Sector, Student Affairs Sector, Facilities and Infrastructure Sector, and Operational Sector. All of these fields are implemented to support the management of PKBM Smart Bangun Negeri.

Implementation of Management Information Systems

A school is an organization with a specific objective, namely, carrying out educational functions with outputs and outcomes in human resources. The success of an organization today in achieving its stated goals is, of course, inseparable from the system used, in this case, the management information system. In school activities, information is needed. Because with information, effective and efficient planning, action and problem-solving will be carried out in meeting existing needs. A well-managed information system can be an asset for schools that

implement it. On the other hand, the information that an education management information system can provide will provide a precious contribution to implementing education.

PKBM Smart Bangun Negeri has components that support running education management information systems in schools according to Judith C. Simon's theory, which researchers use. Researchers found four components that support management information systems: procedures, hardware, software, and data used by PKBM Smart Bangun Negeri in carrying out its school operations.

First, Procedure. Based on an interview with Mrs Novita Kustila, the principal, the SOP for implementing the teaching and learning process at PKBM Smart Bangun Negeri is entirely available. Second, Hardware. Based on observations and interviews with school principals and the facilities and infrastructure sector, it is clear that the hardware at PKBM Smart Bangun Negeri, in the form of computers, printers, desk chairs, and ATK file cabinets, is sufficient. Next, the third is software. Based on interviews and observations with the school principal, the PKBM Smart Bangun Negeri software is a website and social media in the form of Instagram and Facebook. Then, fourth, Data. Based on the results of interviews with school principals and TU officers, the data in PKBM Smart Bangun Negeri is in the form of internal data consisting of data on teaching and education staff, data on facilities and infrastructure, and data on students. Apart from that, there is also external data in the form of government and foundation policies.

As for knowing the education management information system and the steps taken by school principals in making policies at PKBM Smart Bangun Negeri, the researchers conducted interviews with school principals. Mrs Novita Kustila said: "When you want to make a decision, you must first have a discussion/meeting with educators and educational staff. Educators and educational staff are gathered to ask for information, and the results will be reported to the Foundation. For the registration and selection process to enter PKBM, use a Google form filled in by students. Then, the team processes the data to produce data that can be used for further processes. Meanwhile, for other things, such as conveying information in the form of notifications or school announcements, social media platforms such as IG and FB are usually used.

Obstacle factor

The Education information system in PKBM Smart Bangun Negeri has only been used for simple transactions and is yet to be used all out. This is because the SIM concept continues to develop. Morton, Gorry, and Keendari, Massachusetts Institute of Technology (MIT) introduced a new concept named the Decision Support System (Decision Support Systems - DSS). A DSS is a system that produces information aimed at a specific problem to be solved or a decision to be made by managers. Recently, a new concept emerged known as Artificial Intelligence (AI), with the idea that computers can be programmed to carry out logical processes similar to the human brain. A type of AI that has received much attention is Expert Systems (ES), which is an application that functions as a specialist in a particular area. All the concepts above, including PDE, SM, OA, DSS, EIS, and AI, are information processing applications using computers and aim to provide information for problem-solving and decision-making (Sutono, 2007).

Five factors hinder the implementation of the Education Management Information System in schools, especially in PKBM Smart Bangun Negeri—first, users' lack of understanding about computers. Second, there needs to be more understanding by specialists in the field of information about business in the education sector. Third, the role of management still needs to be fully supported in developing SIMP. Fourth, the relatively high price of computer equipment. Fifth, the users are too ambitious and very confident that they can build a complete information system to support all layers.

In the future, management information systems are needed. One effort can be made to refer to quality management using the Plan-Do-Check-Action (PDCA) model. Research results (Wiharjo & Wulandari 2023) show that the PDCA approach can be used for the quality

management of an entity, including PKBM. For this reason, the development of PKBM needs to receive optimal support from the Government so that PKBM's contribution to overcoming the problem of school dropouts in Indonesia is maximized..

Conclusion

From the research results above, it can be concluded that following the data received by researchers, PKBM Smart Bangun Negeri is quite good at implementing an Education management information system. It is proven by facilitating all the tools needed to create an Education management information system. Management information systems have also been applied in daily educational process activities, as evidenced by the delivery of information. Education, the process of accepting and selecting students has been carried out using an application system; then, in the decision-making process, the school principal has also used information data obtained from each part obtained from a system, then presented in the next meeting, which will be submitted to the Foundation.

There are still obstacles to further development in implementing the Education Management Information System because staff capabilities still need to be improved, and the price of computer equipment and its applications is still relatively high. Apart from that, all schools are very aware of the importance of this education management information system for progress and convenience in educational activities at PKBM Smart Bangun Negeri, which will continue to be developed.

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