



School Facility Security: An Evaluation Of Surveillance Technologies And Efforts To Improve Physical Security

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ABSTRACT

This research aims to evaluate the physical security measures implemented by Muhammadiyah SMP Tanah Grogot, an educational institution in Indonesia, and identify areas for improvement. The study uses a case study method, which involves data collection through observation, interviews with school authorities, and reviewing relevant documents. The findings reveal that while the school has made significant efforts to improve physical security by implementing surveillance technology and access control systems, there are still areas that require improvement. The study recommends implementing a comprehensive emergency response plan, regular security audits, and staff training to ensure the effectiveness of physical security measures over time. The research provides practical insights that can be applied to other educational institutions facing similar challenges and highlights the importance of ongoing monitoring and evaluation to ensure the effectiveness of physical security measures. Identify the obstacles or barriers faced in the implementation of surveillance technology, efforts to improve physical security in schools, identify the success of surveillance technology in reducing security incidents in schools and increasing feelings of safety in schools, identify differences in the perception and effectiveness of surveillance technology between schools with different levels of resources and size, and the contribution of surveillance technology to the achievement of broader school security goals.

Keywords: Security Management, School Facilities, Surveillance Technology, Physical Security

INTRODUCTION

Management of facilities and infrastructure is very important because with the management of these facilities and infrastructure will be maintained and clear its use (Ahmad, M., 2021). The school in management must be able to be responsible for facilities and infrastructure, especially the principal or Waka Sarpras who directly handles the facilities and infrastructure. And the school must also be able to pay attention and maintain existing school facilities and infrastructure. So with the complete facilities and infrastructure at school students can learn optimally (Adiyono, A., et al., 2022) So that the management of facilities and infrastructure must be responsible for the management of these facilities and infrastructure and should be further emphasized in educational institutions in schools (J. Han and M. Kamber., 2016; S. Sucipto, 2017) With the management of facilities and infrastructure in schools, principals and other members can plan and record what facilities and infrastructure are needed in the school (Maulida, L., 2021; Halimah, N., & Adiyono, A., 2022). If all management steps go well as expected, it will have a good impact on students and teachers in the teaching and learning process to achieve educational goals effectively and efficiently (Wati, F., Kabariah, S., & Adiyono, A., 2022). So education organizers,



be it the government, principals, teachers, other school personnel or the community, need to continue to strive to improve the quality of education in accordance with the demands of the times.

Supervision of facilities and infrastructure is an activity of assessment, examination, and observation of the implementation of the administration of facilities and infrastructure of education in schools. This is done to avoid misuse, embezzlement, and irregularities and to improve the physical security of facilities and infrastructure (Adiyono, A., & Rohimah, N., 2021). Optimizing supervision is carried out for the utilization of educational facilities and infrastructure, supervision must be carried out and based on existing evidence (objective). Supervision of educational facilities and infrastructure is an important thing to do (Mardhatillah, A., Fitriani, E. N., Ma'rifah, S., & Adiyono, A., 2022). Effective supervision can help ensure that educational facilities and infrastructure are used optimally to support the learning process (Megasari, Rika., 2020).

With good management of facilities and infrastructure, it is expected to create pleasant conditions for teachers, students, and those in the school environment as well as create a clean, tidy and beautiful school for the sake of creating comfort at school. The purpose of managing school facilities and infrastructure is to provide professional services related to facilities and infrastructure so that the learning process can take place effectively. So in general, the goal is to provide professional services in the field of educational facilities and infrastructure in order to implement the educational process effectively and efficiently (Fathony, Aditya Achmad, and Feti Prianty., 2020).

This study aims to determine the evaluation of surveillance technology and efforts to improve the physical security of school facilities at Muhammadiyah Junior High School (Julaiha, J., Jumrah, S., & Adiyono, A., 2023). Specific objectives include the identification of surveillance technology in managing the security of school facilities, and the evaluation of surveillance technology in terms of effectiveness and efficiency to improve physical security in schools (Wati, W. C., 2022). Knowing the obstacles or barriers faced in the implementation of surveillance technology, efforts to improve physical security in schools, and identification of the success of surveillance technology in reducing security incidents in schools (Adiyono, A., Fadhilatunnisa, A., Rahmat, N. A., & Munawarroh, N., 2022), and increasing feelings of security in schools, knowing the differences in the perception and effectiveness of surveillance technology between schools with different levels of resources and size, and the contribution of surveillance technology to the achievement of broader school security goals (Al Rashid, B. H., Sara, Y., & Adiyono, A., 2023).

The existence of SMP Muhammadiyah Tanah Grogot which is an institution or institution engaged in education located in Tanah Grogot Regency. Paser, the facilities and infrastructure are quite adequate although not complete. Both the school environment, buildings, and other facilities, and in general regarding the management, maintenance, and procurement of facilities and infrastructure are quite optimal. Especially in the maintenance of educational facilities and infrastructure in this school has been implemented as it should be done and the utilization can be utilized by all parties who use the educational facilities and infrastructure. Like the





efforts that have been made by Waka Sarpras to improve physical security in schools, namely by increasing physical security at Muhammadiyah Junior High School, the school is only able to organize CCTV, the person in charge, and information. The rest of the Waka Sarpras try to complete other surveillance technology. Management of educational facilities and infrastructure is a process for procuring and overseeing a particular goal in education. If there is no management, the maintenance of educational facilities and infrastructure will be less considered by the parties of educational institutions. Because of the important role of school facilities and infrastructure for the smooth teaching and learning process, efforts are needed toward the management, procurement, use, and maintenance of school facilities and infrastructure as effectively and efficiently as possible. School facility security has become a major concern in recent years due to the increasing number of incidents of violence and crime in educational institutions. Muhammadiyah SMP (Middle School), located in Indonesia, is one such institution that has taken measures to improve its physical security. This report evaluates the surveillance technology and efforts made by Muhammadiyah SMP to enhance its physical security (Rohmawati, O., Poniyah, P., & Adiyono, A., 2023; Yunus, Hadi Sabari, 2010). Muhammadiyah SMP has installed CCTV cameras at strategic locations within the school premises. The cameras are connected to a central monitoring system that enables the school authorities to monitor the activities in real-time. The CCTV cameras are equipped with night vision technology, which allows them to capture clear images even in low-light conditions. The cameras are also weather-resistant, making them suitable for outdoor use.

The school has also installed an access control system that restricts entry into certain areas of the school premises. The system uses biometric technology, which involves scanning fingerprints or iris patterns to grant access (Wati, F., Kabariah, S., & Adiyono, A., 2023; Istiqomah, N., Lisdawati, L., & Adiyono, A., 2023). This ensures that only authorized personnel are allowed into restricted areas, thereby enhancing physical security. Muhammadiyah SMP has taken several measures to improve its physical security beyond installing surveillance technology. The school has developed an emergency response plan that outlines the procedures to be followed in case of an emergency or crisis. The plan includes evacuation procedures, communication protocols, and roles and responsibilities of staff members during emergencies (Adiyono, A., Lesmana, A. R., Anggita, D., & Rahmani, R., 2023). The school has also conducted regular drills and simulations to test the effectiveness of its emergency response plan (Adiyono, A., 2020). These drills help staff members to familiarize themselves with the procedures and identify areas for improvement. The school also conducts regular security audits to identify potential vulnerabilities and take corrective action.

METHOD

The research method used in this evaluation is a case study. The focus is on a specific educational institution, Muhammadiyah SMP, and its efforts to improve physical security through the implementation of surveillance technology and other measures. Data was collected through observation, interviews with school authorities,



and a review of relevant documents such as emergency response plans and security audit reports. The findings were analyzed and presented in a report that provides recommendations for further improvement. The research method used in this evaluation is appropriate as it allows for an in-depth analysis of a real-world situation and provides practical insights that can be applied to other educational institutions facing similar challenges.

The case study method is a valuable research approach as it enables researchers to gain a deeper understanding of complex issues and explore the context in which they occur. In the case of Muhammadiyah SMP, the method allowed for a detailed examination of the school's physical security measures and identified areas for improvement (Saraya, A., Mardhatillah, A., & Fitriani, E. N., 2023). The use of multiple data collection methods, including observation, interviews, and document review, provided a comprehensive view of the situation and ensured the reliability and validity of the findings (Rahayuningtias, Z. D., 2021).

The observation component of the research method allowed for a firsthand account of the school's physical security measures in action. It provided insights into how staff members interacted with the surveillance technology and access control systems and identified any areas that required improvement. The interviews with school authorities provided a deeper understanding of their perspectives on physical security and the challenges they faced in implementing measures. The review of relevant documents allowed for an analysis of the school's emergency response plan and security audit reports, which provided insights into their effectiveness and identified areas for improvement.

The case study method also allows for the identification of best practices that can be applied to other educational institutions facing similar challenges. The findings from this evaluation can be used to inform policy decisions and guide future research in this area. Additionally, the method provides an opportunity for ongoing monitoring and evaluation of physical security measures to ensure their effectiveness over time (Musri, N. A., & Adiyono, A., 2023). The case study method used in this evaluation was appropriate as it allowed for a detailed examination of Muhammadiyah SMP's physical security measures, identified areas for improvement, and provided practical insights that can be applied to other educational institutions facing similar challenges (Pratomo, Istas, Sakinah Sakinah, and Achmad Efendi, 2018). The use of multiple data collection methods ensured the reliability and validity of the findings, and ongoing monitoring and evaluation will ensure the effectiveness of physical security measures over time.

RESULTS AND DISCUSSION

The management of facilities and infrastructure is very important because the management of facilities and infrastructure will be maintained and clearly used. The school in management must be able to be responsible for facilities and infrastructure, especially the principal or Waka Sarpras who directly handles the facilities and infrastructure (Aini, Q., 2023). School parties in management must be able to be responsible for facilities and infrastructure, especially the principal or Waka Sarpras





who directly handles facilities and infrastructure. The principal or Waka Sarpras must have adequate knowledge and skills in the management of facilities and infrastructure. In addition, the principal or Waka Sarpras must also have a commitment to manage facilities and infrastructure effectively (Huda, S., & Adiyono, A., 2023).

Maintenance of educational facilities and infrastructure in this school has been carried out as it should be done and utilization can be utilized by all parties who use educational facilities and infrastructure (Rizan, Okkita, dan Hamidah Hamidah, 2016). Like the efforts that have been made by Waka Sarpras to improve physical security in schools, namely by increasing physical security at SMP Muhammadiyah, the school is only able to organize CCTV, the person in charge and information. Socialization and education about the importance of physical security in schools need to be carried out to all school members, from students, teachers, to school staff. This socialization and education can help raise awareness of the importance of physical security in schools. These efforts have shown positive results. Physical security at SMP Muhammadiyah has improved since the introduction of CCTV, security officers, and socialization and education.

Supervision technology that has been applied in the management of school facilities security

Supervision of facilities and infrastructure security technology is an activity of assessment, inspection, and observation of the implementation of the administration of facilities and infrastructure of education in schools. This is to avoid misuse and irregularities. Supervision is carried out to maximize the utilization of educational facilities and infrastructure. Supervision must be based on existing evidence or objectively related to the management of security facilities at Muhammadiyah Junior High School. According to Mr. Syarif Hidayatullah K.H. S.Pd.I. as Waka Saprass SMP Muhammadiyah, the existing supervision technology at SMP Muhammadiyah that has been implemented is in the form of:

Table 1. Security Management of School Facilities

Indicator	Explanation Of Theme
CCTV located in several places	However, the existence of CCTV is still outside the room not placed in the classroom, the purpose of installing CCTV is to create a deterrent effect on students. The installation of CCTV also has a positive impact which can reduce various problems experienced by students such as not losing money and others.
Person in charge	For the security of facilities and infrastructure, the waka sapras is responsible for each field, for example in the computer lab room, science lab, PJOK where the person in charge of each field applies more discipline to the key holder. Because if it is held by different children, it will cause problems such as not being returned back so that when needed to open the door, they have to be busy looking first. Therefore, it is necessary for the person in



Indicator	Explanation Of Theme
	charge of each field to hold the key to make it easier if needed.
Information	This information relates to each person in charge per field, whose job is to provide information to the head of Waka Sarpras, for example reporting any damage or shortages..

Evaluation of such surveillance technology in terms of effectiveness and efficiency in improving physical security in schools

Security is one of the most important things for a number of people, most importantly in certain places such as schools where there are many activities. Security in schools includes physical security, non-physical security, and information security. Physical security includes the security of school buildings, school facilities, and the school environment (Adila, A. U., Sari, I. P., & Adiyono, A., 2023). Non-physical security includes security from non-physical threats, such as violent threats, sexual threats, and drug threats. Information security includes the security of school data and information (Anwar, K., & Asrawijaya, E., 2023). Safety in schools is important for many reasons, including:

Table 2. Effectiveness And Efficiency In Improving Physical Security In Schools

Indicator	Interview results
To protect the safety and health of the school community	Physical security is important to protect the school community from physical hazards, such as fire, accidents and crime. Non-physical security is important to protect the school community from non-physical hazards, such as violence, sexual harassment and drugs.
Fostering a culture of learning and innovation	Security in schools is important to create an environment conducive to learning. A safe environment will make students feel comfortable and safe to learn.
To protect school assets	Physical and non-physical security is also important to protect school assets, such as school buildings, school facilities, and school data and information.

To create safety in schools, cooperation is needed from all school members, including principals, teachers, employees and students (Sapitri, N., & Adiyono, A., 2023). This cooperation can be done through various efforts, among others:





COOPERATION OF THE WHOLE SCHOOL COMMUNITY

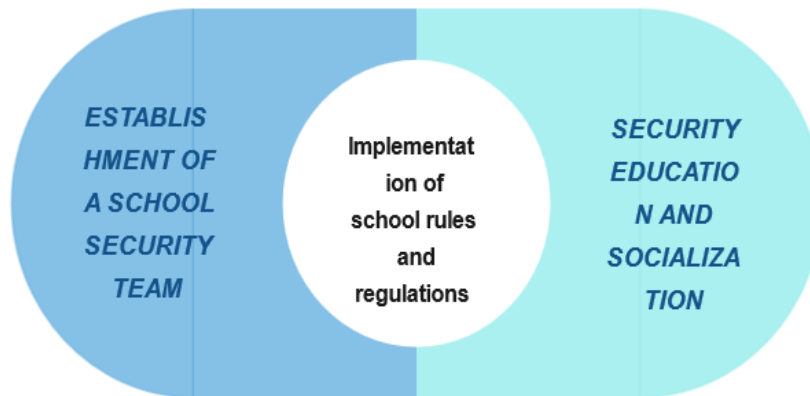


Figure 1. Cooperation Of The Whole School Community

A school security team can be formed to monitor and maintain school security. The school security team can consist of the principal, teachers, staff, and students. Clear school rules and regulations can help prevent security breaches (Adila, A. et al., 2023). Security education and socialization can help raise the awareness of the school community on the importance of security. With good cooperation from all school members, school security can be achieved and all school members can learn safely and comfortably (Sapitri, N., & Adiyono, A., 2023). Schools are open places for students so that it can create opportunities for certain people to commit crimes, so that to realize a sense of security for students, a surveillance system is needed which is realized by technology in the form of CCTV installation.

The installation of CCTV by the head of Waka Sarpras SMP Muhammadiyah is seen in the effectiveness and efficiency of students and cases that occur. As stated by the head of Sarpras Syarif Hidayatullah K.H. S.Pd.I in terms of effectiveness, it can be seen from the effect of the surveillance technology itself, whether students show a deterrent attitude or not. With the existence of surveillance technology in the form of installed CCTV, cases of loss at Muhammadiyah Junior High School have been observed to decrease and even no longer occur. However, before the installation of CCTV, reports of cases of loss always occurred, even if there was a case of loss, it could be monitored or could be seen on CCTV who the perpetrator of the theft was.

Further effectiveness can be seen from the occurrence of criminal cases such as bullying, beatings and so on [33]. Then the CCTV is very helpful to get evidence so that it can be shown to the parents of students or the police, so that is the advantage if there is CCTV installation carried out by the Muhammadiyah Junior High School. If the effectiveness goes well, then from that efficiency can be obtained well. The efficiency of implementing surveillance technology in improving physical security at Muhammadiyah Junior High School can be seen in several ways, namely:



Table 3. Application of surveillance technology in improving physical security

Indicator	Explanation Of Theme
Teaching and Learning Activities	The reduction in cases that occur in students so that the KBM process can run smoothly has been significant.
Seen from learners' compliance	This can be seen when the bell has rung, students no longer stall for time but immediately enter the class.
Compliance in carrying out tasks from the teacher	Compliance in carrying out the duties of teachers is an important element for the continuity of an effective and conducive teaching and learning process. Teachers play a vital role in the education and development of students, so their compliance with mandated duties is crucial.

The application of surveillance technology in improving physical security at Muhammadiyah Junior High School is monitored much better than before the existence of surveillance technology, where cases that were previously insurmountable can be resolved due to CCTV surveillance which is able to identify all forms of cases, especially loss and bullying. CCTV can help schools to detect and investigate cases that occur in the school environment (Adiyono, et al., 2023). For example, if there is a loss case, CCTV can help the school to identify who the culprit is and where the location of the incident is. In addition, CCTV can also help schools to prevent unwanted cases, such as bullying. The application of surveillance technology in improving physical security at Muhammadiyah Junior High School is monitored much better than before the existence of surveillance technology. This is because CCTV is able to identify all forms of cases, especially loss and bullying.

Obstacles or barriers faced in implementing surveillance technology in the school environment

Success in implementing surveillance technology does not necessarily go well without any obstacles or barriers that must be faced, as well as what happens at SMP Muhammadiyah Tanah Grogot in improving physical security at school. According to Syarif Hidayatullah K.H. S.Pd.I as the head of Waka Sarpras, the obstacles and constraints that must be faced in implementing physical security are budget-related. The education budget is a budget allocation that has a role as an educational function that is budgeted through state ministries or institutions and education budget allocations through financing. The budget itself means a plan that has been systematically prepared and applied within a certain period of time to come, besides that the budget also includes a plan that contains the amount of money owned or can be held (income or income) to finance the activities of the educational process in order to achieve educational goals.

Therefore, the budget is very important in supporting and supporting the achievement of educational goals well. This is also very necessary to complete the monitoring technology that exists in Muhammadiyah Middle Schools, but Muhammadiyah Middle Schools have a limited budget so the principal and head of the Deputy Head of Sarpras make a breakthrough to seek financial assistance from companies and so on which can help to meet the needs. existing monitoring technology in Muhammadiyah Middle Schools which has not been fulfilled due to limited school budgets. So the solution to fulfill this monitoring technology must





involve breakthrough funding assistance from several donors. Because if you use a budget that already has an example of the boss's budget, this will disrupt the teacher's salary budget and so on. Infrastructure is a series of educational facilities, for example the Deputy Head of Sarpras leads the ideal of a CCTV first class, but this has not been fulfilled so that mischief still occurs because in one of the school buildings at Muhammadiyah Middle School CCTV has not been installed so there are several classes where mischief still occurs and cannot be monitored. . So the mismatch of Muhammadiyah Middle School school infrastructure with the budget is an obstacle or barrier that must be faced by the Head of Deputy Head of Sarpras in implementing surveillance technology in the school environment. The obstacles or obstacles that occur to students and teachers can be seen in the following cases: Children's privacy, which is feared by children who have an overactive nature and feel they are being watched because of CCTV. This needs to be explained to the students' parents. However, monitoring technology at Muhammadiyah Middle Schools is carried out on the basis of a joint decision, especially with the students' parents, so that there are no misunderstandings between teachers, parents and students. Student and teacher perceptions. This can be seen in the interaction between teachers and students, such as students not yet understanding what the teacher wants and teachers not understanding how to understand their students' desires. So there is an error in communication which results in the teacher becoming angry.

However, as time goes by, due to the existence of a recitation program once a month, performing Dhuha prayers, there is always guidance from the teacher, this is what makes students achieve and win many championships in various fields. Even though there are obstacles, Muhammadiyah Middle School students are not left behind in terms of achievement.

Efforts have been made to improve physical security in schools, especially with regard to surveillance technology

Physical security is very important to ensure the safety of the school environment, especially students and staff, and parents is a top priority. So the Head of Deputy Head of Sarpras continues to optimize physical protection for students, staff and parents, especially with surveillance technology.

However, as said by the head of Waka Sarpras Syarif Hidayatullah K.H. S.Pd.I with several obstacles in fulfilling surveillance technology equipment, the school is only able to procure CCTV. CCTV is a camera-based surveillance system that is able to monitor all activities carried out in the school environment, which is arranged in such a way as to become a network that can detect from the control room (Saraya, A., et al., 2023). CCTV is also very effective in monitoring a place or large area and providing accurate information. To control or prevent loss, damage, and shortages in each field, the head of Waka Sarpras forms the person in charge of each field so that all needs in each field remain under control and safe without any interference from other parties in taking care of each field.

In addition, efforts continue to be made, namely the existence of information, which must always be reported in a timely manner so as not to be late in handling all forms of cases or other information. These three forms of physical security are efforts



that continue to be optimized in improving physical security to be maintained. All forms of shortcomings that still need to be needed at Muhammadiyah Junior High School, the Waka Sarpras tries to complete other surveillance technology.

The Success of Surveillance Technology in Reducing Security Incidents in Schools and Increasing Feelings of Safety Among Students, Staff, and Parents

In line with the objectives of implementation itself, implementation is an effort to achieve certain goals with facilities and infrastructure in a certain time sequence, because implementation is a placement of ideas, policy concepts, or innovations in practical action so that it has a real impact (Rosmini, H., et al, 2024). Therefore, the implementation of the physical security monitoring technology program at Muhammadiyah Middle Schools has positively increased school security. One example of the success of this surveillance technology program is that students and guardians feel more comfortable and safe. It can also be seen from several cases of theft and loss at Muhammadiyah schools that have occurred to students that have decreased and are starting to be resolved. Apart from that, Muhammadiyah Middle School teachers always remind them not to bring too much pocket money, even if they bring a lot of money, they can entrust it to the teacher. The success that has been achieved in increasing feelings of safety for students, staff and parents can be seen from several things, namely:

- a. Respond quickly to every case, so that every case is not left small to large before it is handled, but the case will be handled immediately. For example, if there is a case of bullying, it should be reported immediately so that it can be handled immediately.
- b. Feelings of security for teachers, students and parents. The success of the monitoring technology that has been implemented by the school at Muhammadiyah Middle School can also be seen from the attitude of parents who increasingly trust the school in handling cases of problems that occur to their children.

Muhammadiyah Middle Schools also implement regulations in the form of students not being encouraged not to bring cell phones unless instructed to do so. Even if one of the students violates the sanction for the violator in the form of a cell phone being confiscated and can be taken back at the end of the semester. Even if there are students who go to and from school, the school provides a solution in the form of providing cellphone loan facilities by teachers, to inform parents that school time is over. In addition, teachers also create school groups with student guardians to inform that students can be picked up. The success of surveillance technology at SMP Muhammadiyah in reducing security incidents at school cannot be separated from the hard work of leaders. Where the role of leadership is one of the key factors supporting success in reducing school security incidents (Abdurrohim, et al., 2023).

Differences in perceptions and effectiveness of surveillance technology between schools with different resource levels and sizes

According to K.H, Syarif Hidayatullah,S.Pd.I, the difference in the perception and effectiveness of surveillance technology is clear. Because if schools with complete facilities also affect the running of KBM so that schools with comfortable and safe





conditions are able to create a pleasant atmosphere and focus on learning. However, if the budget is not appropriate in fulfilling school facilities, it also affects the running of KBM, such as not focusing on learning because of the heat caused by the absence of air conditioners or fans. And in our school, Muhammadiyah Junior High School can only provide fans in each class, because the school has not been able to provide air conditioning in each class due to limited budget.

Technology infrastructure, this is very important because each school has a different infrastructure even though the SOP is the same, but the needs and fulfillment of the SOP are different, for example there are schools with complete computers where each child can use one computer and there are also schools that have shortcomings in this regard. Then related to maintenance and care, is also related to personnel and budget (Suparmin, S., & Adiyono, A., 2023). If the personnel are sufficient, at least they can minimize damage to facilities and infrastructure, if the resources are lacking, the resources are automatically uncontrollable (Saraya, A., et al., 2023).

Legal certainty relates to the implementation of surveillance technology to understand regulations and for legal security. So whether a wrong action violates a crime or not and to what extent school policy provides understanding to students which must be tolerated or taken to the realm of law (Badruzaman, A., & Adiyono, A., 2023). If a criminal case occurs and is very high level and the incident occurs outside the school then the school will hand it over directly to the authorities (Adiyono, A., Rusdi, M., & Sara, Y., 2023; Oktafia, M., & Adiyono, A., 2023). Unless the incident occurs at school then the school will handle it. So such things are important in addition to evaluating the success of the supervision method and the legal certainty method.

The contribution of surveillance technology to achieving broader school security goals, such as protecting school assets and preventing criminal activity

The rise of crime, such as robbery, cannot be eliminated. However, that does not mean it cannot be prevented. By applying the right method, it will minimize the occurrence of negative events. One of them is by installing CCTV cameras [34]. According to Mr. K.H, Syarif Hidayatullah, S.Pd.I, the first thing is that the effect is different, related to CCTV, which initially there were many cases of loss at Muhammadiyah Junior High School since there was CCTV, the cases have decreased, so the effect has been a difference between before and after regarding surveillance technology. So with our CCTV, the school can anticipate related criminal cases. The existence of CCTV in schools has a very big influence on students, they are afraid of committing criminal acts because they are monitored by CCTV, so with CCTV it is easier for us to find evidence with recordings, we can use CCTV as evidence if a case occurs. Furthermore, in monitoring school activities, there are three, namely CCTV, the person in charge, and information, from these three we can see the general condition of the school. In religion-based schools such as this junior high school, we prioritize religion, meaning that we still show achievements in other fields, but we emphasize religion (Murni, et al., 2024). In Muhammadiyah Junior High School, there is a policy for every student to memorize at least 1 juz of the Qur'an before graduating, namely juz 30.



According to Mr. K.H, Syarif Hidayatullah, S.Pd.I The security of the school environment in this supervision technology is still not perfect, our school is still very simple but we are still grateful and use it as much as possible to minimize every case and condition of students who do things that are not desirable. We as teachers are fully responsible for helping to supervise all students.

CONCLUSION

Muhammadiyah SMP's efforts to improve its physical security through the installation of surveillance technology and other measures are commendable. However, there is still room for improvement. The school should consider investing in advanced surveillance technology such as facial recognition software and artificial intelligence-powered security systems to enhance its physical security further. Additionally, the school should conduct regular training sessions for staff members on emergency response procedures and crisis management techniques to ensure that they are well-prepared to handle any unexpected situations that may arise.

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