

# Management of Facilities and Infrastructure in Implementing the Independent Curriculum at MTs Negeri 3 Sleman

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**Abstract:** Supporting facilities and infrastructure for the independent curriculum are important components in creating an effective and inclusive learning environment. Management of facilities and infrastructure is a crucial aspect in the implementation of the Independent Curriculum which aims to create a supportive and adaptive learning environment. The Independent Curriculum aims to provide flexibility and freedom for students to develop their potential. Adequate facilities and infrastructure at MTs Negeri 3 Sleman, such as adaptive classrooms, laboratories, and sports facilities, support the implementation of this curriculum. Information and communication technology also plays a crucial role in increasing the interactivity and accessibility of learning. MTs Negeri 3 Sleman provides various learning resources, such as books, digital media, and teaching aids. This supports a comprehensive learning experience. Training for teachers to utilize these facilities and infrastructure is essential for the learning process to run optimally. In addition, the involvement of parents in the development of facilities and infrastructure is also important to create a holistic educational ecosystem. Periodic evaluation of the effectiveness of facilities and infrastructure will help in continuous improvement. By considering the sustainability aspect, facilities and infrastructure must be designed to be durable and environmentally friendly. Investment in educational infrastructure will have a positive impact on the quality of learning. The implementation of the Independent Curriculum will be more effective and in accordance with students' needs. Good facilities and infrastructure will encourage students to be more active and creative in learning. Finally, the success of the independent curriculum is highly dependent on the quality and functionality of the available facilities and infrastructure. The main focus of the research is the management of the effectiveness of educational facilities in supporting innovative learning that is oriented towards student needs. The research method used is qualitative with data collection through observation and interviews. Improving the management of facilities and infrastructure at MTs Negeri 3 Sleman is expected to strengthen the implementation of the Independent Curriculum, so that it can produce students who are more competent and ready to face global challenges.

**Keywords:** Independent Curriculum, Facilities, Infrastructure, Education.

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## Introduction

The Merdeka Curriculum is an innovation in the Indonesian education system which is designed to provide freedom and flexibility for students in the learning process. MTs Negeri 3 Sleman is an educational institution that is committed to implementing the Independent Curriculum, which is designed to provide freedom and flexibility in the learning process. The implementation of the independent curriculum aims to optimize the potential of each student through a more

personalized and contextual approach (Rohmah et al., 2023). Supporting infrastructure is a key factor in the successful implementation of this curriculum because a supportive physical environment can increase student motivation and involvement (Ainiyah & Husnaini, 2019). Infrastructure is a very important element to support effective curriculum implementation. Infrastructure covers various aspects, from physical facilities to information technology needed to create a conducive and innovative learning environment (Hidayah et al.,

2023). In this context, infrastructure includes classrooms, laboratories, libraries, books, digital media, and adequate sports facilities.

Good infrastructure can create a conducive learning atmosphere, where students feel comfortable and motivated to learn (Ainiyah & Husnaini, 2019). Flexible classrooms allow for various teaching methods that can be adapted to student needs (Nasrudin & Maryadi, 2019). In addition, a well-equipped laboratory can support experiment-based learning, enriching students' learning experience. A library with a variety of reading sources is also very important to support research and student literacy development. In the current digital era, the integration of information technology in educational infrastructure is becoming increasingly vital. The use of modern technological tools can enrich the learning experience and make learning more interactive (Lailan, 2024). MTs Negeri 3 Sleman has tried to provide adequate internet access and supporting digital devices. It is also hoped that parental involvement in developing infrastructure can strengthen the educational ecosystem in schools.

Evaluation and maintenance of existing infrastructure is very important to ensure sustainability and effective use (Rosnaeni, 2019). With regular evaluations, schools can identify deficiencies and plan further development. Collaboration between teachers, students and the deputy head of infrastructure at MTs Negeri 3 Sleman in utilizing infrastructure is also the key to the successful implementation of the independent curriculum. By strengthening supporting infrastructure, it is hoped that MTs Negeri 3 Sleman can create a better learning environment, supporting students in exploring their talents and interests (Rohmah et al., 2023). With strong commitment from all parties, adequate infrastructure will contribute to improving the quality of education and innovative learning (Bararah, 2020). It is hoped that the independent curriculum will produce a generation that is better prepared to face future challenges, has character and is highly competitive (Rahayu et al., 2022).

MTs Negeri 3 Sleman is committed to creating a fun and productive learning environment for students (Marsela Yulianti et al., 2022). Through

the development of sustainable infrastructure, it is hoped that students will not only gain academic knowledge, but also skills and character values that will equip them in everyday life. In facing the challenges of increasingly complex times, the younger generation needs to be well prepared so that they are able to contribute positively to society and the nation. Adequate infrastructure is the first step towards better and more sustainable education (Herawati et al., 2020).

### **Material and Methods**

This research uses a qualitative approach to explore the infrastructure supporting the independent curriculum at MTs Negeri 3 Sleman. This approach was chosen because it is able to have a positive impact on schools to find out how education is developing with adequate infrastructure. Apart from that, readers or audiences can find out the importance of infrastructure for educational progress. Data was collected through observation and interviews. Interviews were conducted with several informants, including teachers and students to explore their views regarding existing infrastructure (Assyakurrohim et al., 2022). Direct observations were carried out to see the physical condition of infrastructure facilities, such as classrooms, laboratories and libraries, as well as how these facilities were used in teaching and learning activities. Interview questions were designed to examine their experiences in using the available facilities, as well as their impact on the learning process.

The use of a qualitative approach in this research is expected to provide in-depth insight into the role of infrastructure in the educational context (Haryono, 2023). The findings obtained will be used to formulate recommendations for the development of better infrastructure. Apart from that, it is hoped that the research results can contribute to efforts to improve the quality of education at MTs Negeri 3 Sleman and other educational institutions that implement the independent curriculum. This research is expected to provide a clear picture of the challenges and

opportunities that exist, as well as strategies that can be implemented to optimize the use of infrastructure in the learning process (Hidayah et al., 2023).

## Result and Discussion

The results of research regarding the management of facilities and infrastructure in implementing the Independent Curriculum at MTs Negeri 3 Sleman show that good management plays an important role in supporting the success of the curriculum (Fatirul, 2022). It was found that MTs Negeri 3 Sleman had made significant efforts in managing facilities and infrastructure. Facilities such as classrooms, laboratories and extracurricular activity rooms have been provided adequately. Research also notes that good communication between all stakeholders, including students and parents, greatly influences the effectiveness of facilities and infrastructure management. By having regular communication forums, schools can identify needs and problems faced, and find solutions together. Overall, the management of facilities and infrastructure at MTs Negeri 3 Sleman in implementing the Independent Curriculum shows positive results, although there is still room for improvement. Through continuous improvement and strong support from all parties, it is hoped that the Independent Curriculum can be implemented better, producing students who are creative, innovative and ready to face future challenges (Ripandi, 2023). It is hoped that this research will become a reference for other educational institutions in managing facilities and infrastructure that support an adaptive and progressive curriculum.

### 1. Management of Facilities and Infrastructure in Implementing the Independent Curriculum at MTs Negeri 3 Sleman

The implementation of the Independent Curriculum at MTs Negeri 3 Sleman is part of an initiative to optimize the teaching and learning process with a more flexible and adaptive approach (Nugraha, 2022). In this context, good management of facilities and infrastructure is very

important to support the achievement of curriculum objectives. In this case, the results of the management of facilities and infrastructure that contribute to the successful implementation of the independent curriculum in the school will be discussed. MTs Negeri 3 Sleman has various facilities designed to support effective learning. The following is a detailed description of the facilities and infrastructure available at the school:

- a. **Classroom.** The school has 20 spacious classrooms, designed to support active learning. Each class is equipped with tables and chairs that can be arranged according to learning needs, both for group discussions, presentations and individual learning. Additional facilities such as interactive whiteboards and projectors are also available, allowing teachers to use a variety of media in teaching.
- b. **Science Laboratory.** The science laboratory at MTs Negeri 3 Sleman provides the equipment and materials needed for experiments. With this laboratory, students can learn through direct experience, which strengthens their understanding of science concepts. The laboratory space is designed so that students can work in groups, supporting collaboration and communication between students.
- c. **Computer lab.** The computer laboratory at this school is equipped with the latest computers and fast internet access. This facility allows students to study information technology, which is very relevant to the needs of the times. Apart from that, the computer laboratory is also used for multimedia-based learning, which supports innovative learning methods.
- d. **Library.** The library at MTs Negeri 3 Sleman is a rich learning resource. There are thousands of books covering various scientific disciplines, as well as a collection of scientific magazines and journals. The library is also equipped with internet access facilities which enable students to search for additional information online. A comfortable library environment supports reading and research activities.
- e. **Multimedia Room.** The multimedia room is designed to support technology-based learning. The room is equipped with a projector, large screen, and educational software that allows

students to conduct presentations and creative projects. The use of multimedia rooms provides opportunities for students to learn in a more interesting and interactive way.

**f. Sports Facilities.** Sports facilities at MTs Negeri 3 Sleman include fields for various sports such as football, basketball and volleyball. The school also has space for indoor physical activities. Sports activities not only support students' physical health, but also help them develop social skills, such as cooperation and discipline.

Management of facilities and infrastructure at MTs Negeri 3 Sleman is carried out using a planned and systematic approach. The management team consisting of the principal, deputy principal and teachers is responsible for ensuring that all facilities are managed well. Several important aspects in managing facilities and infrastructure include (1) Planning is a crucial first step in managing facilities and infrastructure. The school carries out a needs analysis based on the curriculum implemented as well as input from teachers and students. This plan includes the procurement of new facilities, maintenance of existing facilities, and development of better learning spaces (Fathurrahman & Putri Dewi, 2019). (2) Facilities Procurement, schools carry out facilities procurement by considering the available budget. The procurement process is carried out in a transparent and accountable manner, involving all interested parties (Fathurrochman et al., 2021). The quality and relevance of the equipment and facilities purchased is a top priority in procurement. (3) Care and Maintenance, facility maintenance is carried out periodically to ensure all facilities and infrastructure are in good condition. The school has a clear maintenance schedule, where every facility is inspected and repaired as necessary. This maintenance process is important to maintain the continuity of the function of existing facilities. (4) Evaluation of use, MTs Negeri 3 Sleman also implements an evaluation system to assess the effectiveness of the use of facilities and infrastructure (Pusvitasari & Sukur, 2020). Evaluation is carried out every semester involving input from teachers, students and parents. With regular evaluations, schools can

identify strengths and weaknesses in facility management.

The results of good management of facilities and infrastructure at MTs Negeri 3 Sleman have had a positive impact on the learning process. With adequate facilities, students are more involved in the teaching and learning process. Interactive and collaborative learning, supported by good classrooms and laboratories, encourages students to actively ask questions and discuss (Sumardi & Wahyudiati, 2022). This contributes to the development of their social and communication skills. Good facilities, especially laboratories and libraries, contribute to improving students' academic performance. Access to a variety of learning resources and direct learning experiences in the laboratory improve students' understanding of the material (Ainiyah & Husnaini, 2019).

## **2. The Importance of Facilities and Infrastructure to Support the Independent Curriculum at MTs Negeri 3 Sleman**

The importance of facilities and infrastructure in supporting an independent curriculum is crucial to achieving educational goals that are flexible, innovative and student-focused (Yaelasari & Yuni Astuti, 2022). Adequate facilities and infrastructure in the MTs Negeri 3 Sleman environment are very important in supporting successful learning by implementing the independent curriculum (Hutabarat et al., 2022). Having good facilities such as flexible and comfortable classrooms allows students to be involved in interactive learning (Sonia, 2021). Moreover, the independent curriculum emphasizes collaboration and active participation between teachers and students so that supporting facilities at MTs Negeri 3 Sleman is important. Apart from classrooms, teachers at MTs Negeri 3 Sleman use various learning facilities in teaching and learning activities. Such as learning in the computer room, laboratory or on the school field (Boko, 2020).

With various facilities, teachers can adapt teaching methods according to student needs. Especially in today's modern era. Facilities such as internet access and information technology devices support the development of students' skills. This includes critical thinking, collaboration and

communication skills which are the main focus in the independent curriculum. Incidentally, the MTs Negeri 3 Sleman environment is equipped with internet wifi, making it easier for students to access the knowledge they need (Firmansyah et al., 2018). Apart from that, they can search for knowledge in the school library which is complete and allows students to borrow and read books on various subject matter (Ya'cub & Ga'a, 2021). With many learning resources, students can explore their interests according to their wishes.

The sports facilities at MTs Negeri 3 Sleman are also no less important. With sports facilities, such as football and basketball fields, students can exercise regularly. This physical activity not only supports health, but also builds character and teamwork among students (Cecep Abdul Muhlis Suja'i, 2023). Worship facilities such as mosques in the school environment are also very important. Places of worship provide opportunities for students to worship and explore religious values. This is in line with the character education goals promoted by MTs Negeri 3 Sleman. In addition, good waste management and sanitation in the school environment shows attention to health and cleanliness. Adequate sanitation facilities, such as clean toilets, provide comfort for students. A clean and healthy environment supports a better learning process (Hidayah et al., 2023). Good facilities and infrastructure at MTs Negeri 3 Sleman also create a safe and comfortable atmosphere for students. A safe environment will increase students' self-confidence in learning. It also reduces stress and anxiety, so students can focus on their studies (Nurharirah & Effane, 2022).

Periodic facilities and infrastructure improvement programs are also needed to maintain quality. With regular repairs, the facilities remain in good condition and ready for use. This shows the school's commitment to improving the quality of education (Kurniawan, 2018). In the era of globalization, developing facilities and infrastructure that support character education is also important. With supporting facilities, students can more easily get involved in positive activities. This is in line with the aim of education to produce a generation with noble character and achievements. Overall, the facilities and

infrastructure at MTs Negeri 3 Sleman are an integral part of the educational process. Investment in facilities and infrastructure will have a positive long-term impact on students (Susiani, 2022). With adequate facilities, it is hoped that students can learn more effectively and efficiently.

In order to achieve national education goals, development of facilities and infrastructure must continue to be carried out. Schools must adapt to developments in time and technology (Lisia Miranda, 2024). The availability of modern facilities will increase the school's attractiveness in the eyes of the community. The quality of education is not only determined by the curriculum, but also by existing facilities and infrastructure. Therefore, it is important for MTs Negeri 3 Sleman to continue to improve and update existing facilities. In this way, students will get a better and quality learning experience. Through all these efforts, it is hoped that MTs Negeri 3 Sleman can produce graduates who are ready to face future challenges (Khoirroni et al., 2023). Good facilities and infrastructure will provide a strong foundation for student development. In this way, MTs Negeri 3 Sleman can become one of the leading educational institutions in Sleman.

## Conclusion

The Independent Curriculum has a very important role at MTs Negeri 3 Sleman. Facilities and infrastructure have a very important role in supporting the implementation of the Independent Curriculum at MTs Negeri 3 Sleman. With adequate facilities, the learning process becomes more effective, and students can learn in more interesting and innovative ways. Although there are challenges in management, planned and collaborative efforts can produce an optimal learning environment.

With strategic steps in managing facilities and infrastructure, it is hoped that MTs Negeri 3 Sleman can continue to improve the quality of education, creating students who not only excel academically, but also have good social skills and character. Success in implementing the

Independent Curriculum will have a positive impact not only on students, but also on society and the country as a whole. Through the implementation of the Merdeka Curriculum, MTs Negeri 3 Sleman is committed to creating the next generation who is not only academically intelligent, but also has strong character and is ready to face an ever-growing world.

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