

## Implementation of Technology-Based Learning in Social Sciences Learning (Survey at Mts Al Khairiyah Koja North Jakarta)

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### Abstract

*This study examines the implementation of technology-based learning in Social Studies (IPS) for students at MTs Al Khairiyah Koja in secondary schools. The purpose of this study was to determine how technology is applied in the Social Studies (IPS) learning process for students at MTs Al Khairiyah Koja and its impact on student interest and learning outcomes. The research method used was a qualitative, descriptive approach through classroom observations, interviews with teachers and students, and analysis of learning documents. The results showed that the use of technology such as computers, learning applications, and digital resources significantly increased learning activities, student engagement, and understanding of Social Studies (IPS) concepts among students at MTs Al Khairiyah Koja. Despite several obstacles such as limited equipment and teacher skills, overall, technology made a positive contribution to Social Studies (IPS) learning at MTs Al Khairiyah Koja*

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## 1. INTRODUCTION

The development of information technology has brought significant changes to students. The application of technology in social studies learning can address the challenges of conventional learning, which is often less engaging and less relevant to students. The Social Studies (IPS) subject for students at Mts Al Khairiyah Koja, North Jakarta, with its rich concepts and real-life context, has great potential to be presented through more engaging and meaningful technological media.

Technology has a very significant influence on the process of learning Social Sciences at Mts Al Khairiyah Koja North Jakarta, both from the positive side and several challenges that need to be overcome in the process of learning Social Sciences at Mts Al Khairiyah Koja North Jakarta, with technology students can access various content such as articles, the latest information, historical documents, interactive maps, and statistical data related to economics or geography from all over the world as the process of learning Social Sciences at Mts Al Khairiyah Koja North Jakarta can produce better quality and comprehensive learning.

Social Studies (IPS) lessons for MTs Al Khairiyah Koja students are not just for knowledge, civic insight, history, geography, or economics, It also has a role in producing Enlightenment and social concern, in the current era of rapidly developing digitalization, Integration of technology in the learning process has become an urgent need and improves the quality and relevance of education, including in Social Studies (IPS) subjects for MTs Al Khairiyah Koja students which are technology-based Not only changing the way teachers deliver material and students absorb news, It also opens up

new opportunities to make learning more interesting, interactive, and connected using complex social realities.

The Social Sciences (IPS) subject for students at MTs Al Khairiyah Koja, which includes economics, geography, history, sociology, and politics, has characteristics that require an understanding of abstract concepts, data analysis, and connections using world and local truths. Starting with technologies such as bold learning platforms, interactive applications, geographic information systems, and other digital media, Social Sciences (IPS) learning for students at MTs Al Khairiyah Koja can be done. Dynamically, students can explore virtual world maps, analyze economic trends through dashboard data, or watch recordings of important historical incidents with greater depth.

The implementation of technology-based Social Sciences (IPS) learning for MTs Al Khairiyah Koja students is also a necessity to prepare students to face the challenges of the 21st century, such as critical thinking, collaboration, creativity, and digital literacy, but the implementation process cannot be separated from various considerations, starting from the readiness of school infrastructure, teacher competence in utilizing technology, to accessibility for all students. Therefore, a study related to the strategy and impact of implementing technology-based Social Sciences (IPS) learning for MTs Al Khairiyah Koja students is very crucial to optimize the benefits and overcome challenges that may arise.

Information and communication technology has brought fundamental changes to various aspects of life, including the education sector. Amidst the demands to produce a generation that is able to adapt to increasingly complex global dynamics, the implementation of technology-based Social Sciences (IPS) learning for MTs Al Khairiyah Koja students is one of the strategic steps in increasing the effectiveness of the learning process.

Social Sciences (IPS) students at MTs Al Khairiyah Koja are a subject. This is for Students with an understanding of the environment, history, and existing social systems, who often face challenges in me, the material, so that it does not feel stiff or separate from reality. Using technology such as interactive learning applications, various bold platforms, data visualization, and virtual search tools, learning Social Studies (IPS) for students at MTs Al Khairiyah Koja can be transformed into a more immersive and meaningful experience. Learning Social Studies (IPS) for students at MTs Al Khairiyah Koja not only involves listening to news, but it also involves analyzing information, connecting concepts with real phenomena, and developing critical thinking skills needed in everyday life.

In addition, the application of technology in learning Social Sciences (IPS) in MTs Al Khairiyah Koja students also supports the principle of inclusive education, where students using various learning styles can access materials according to their respective speeds and needs. However, the implementation process in learning Social Sciences (IPS) of MTs Al Khairiyah Koja students requires thorough preparation, starting from the provision of adequate infrastructure, development for teachers, and the preparation of a curriculum that is aligned with the use of technology. Using this study on the implementation of technology-based learning of Social Sciences (IPS) in MTs Al Khairiyah Koja students is relevant to be explored to form an effective and sustainable learning model.

Social Science Learning at Mts Al Khairiyah Koja North Jakarta students can use game-based learning software, political simulations, or economy, and collaborative platforms as a substitute for learning, Social Science at Mts Al Khairiyah Koja North Jakarta is no longer only theoretical but also fun and encourages active participation for students in the learning process, Social Science at Mts Al Khairiyah Koja North Jakarta. A teacher can facilitate contextual learning through technology, and students can connect the concept of Social Science learning at Mts Al Khairiyah Koja North Jakarta with real conditions, in more or less their area or in other areas, by looking at field reports on discourse on social problems or visualizations of climate change that occur in Indonesia.

Social Science Learning at Mts Al Khairiyah Koja North Jakarta, a teacher can support independent and collaborative learning activities in the Social Science learning process at Mts Al Khairiyah Koja North Jakarta, as being able to use platforms such as Google Classroom or Zoom allows students to learn flexibly and work together on projects even from a distance, which creates critical thinking skills and good communication.

## 2. RESEARCH METHODS

The research used a qualitative approach. A qualitative approach means a general news method. Data is collected using observation and interview techniques, and symptoms in the research can be measured using a scale.

In the qualitative approach, Causal Associative thinking (cause and effect) is carried out to find out the relationship in its implementation. Researchers use survey methods, and data is collected using observation, interview, and documentation techniques. Sugiyono (2017) states that the Technology method means a method (research) that uses data collected using observation and interview techniques, and becomes a basic instrument for collecting data.

Population is a generalization area consisting of objects/subjects that have exclusive qualities and characteristics determined by the researcher to be studied, and then conclusions drawn (Sugiyono, 2017). The population in this study is all students in Social Sciences learning at Mts Al Khairiyah Koja, North Jakarta. Analysis of teacher needs strengthened by digital technology in teaching Social Sciences (IPS) at Mts Al Khairiyah Koja, North Jakarta.

Implementation of technology-based learning in Social Studies at Mts Al Khairiyah Koja, North Jakarta, for students through various Pentah and strategies tailored to student needs, the curriculum, and school requirements. The implementation is as follows.

Needs analysis, teachers determine which social studies topics are relevant to technology (for example, population movement for geography or national economic analysis data), and evaluate student abilities and available facilities.

Selection of tools and sources of synchronous learning methods, according to interactive maps, Google Classroom, Moodle learning, or trusted content sources, for example, the official website of the Ministry of Education.

Teacher and student training is provided with advice on how to use technology correctly, including digital literacy, to identify accurate issues.

Implementation strategies in Social Sciences (IPS) learning activities at Mts Al Khairiyah Koja, North Jakarta. In face-to-face learning that is enriched with technology, teachers use projectors to display historical documents, utilize software to measure students' understanding of social history, or invite students to form interactive concept maps about the relationships between IPS concepts.

Online learning or blended learning allows students to teach independent assignments through online platforms, collaborate in groups using tools such as classrooms, Google Docs, or Zoom to discuss research projects on social issues in North Jakarta.

1. The approach and type of this research use a descriptive qualitative approach to describe the application of Social Sciences (IPS) learning for students at Mts Al Khairiyah Koja North Jakarta, based on technology.
2. area and time of research, carried out at one of the Mts Al Khairiyah Koja, North Jakarta, in the 2025/2026 academic year.
3. The subjects and objects of the research, the subjects of the research are social studies teachers and students in grades VII, VIII, and IX, while the object is the use of technology in social studies (IPS) learning activities for students at Mts Al Khairiyah Koja, North Jakarta.
4. Data collection instruments and techniques. Data were collected through classroom observations, interviews, material documentation, and social studies learning tools.

5. Data analysis techniques are carried out through data reduction, data display, and proof of data conclusions.

### 3. DISCUSSION RESULTS

An implementation of technology resulting from observations explains that the use of multimedia presentations, learning videos, and online quiz platforms for social and economic simulation applications by children's social studies teachers increases interest in learning Social Studies (IPS) among students at Mts Al Khairiyah Koja, North Jakarta.

The impact on the interest and learning achievement of Social Sciences (IPS) in students at Mts Al Khairiyah Koja North Jakarta, is proven by an increase in learning motivation and active participation in the average homogeneous value of daily tests, an increase compared to the previous period.

Supporting factors and...in learning Social Sciences (IPS) in students of Mts Al Khairiyah Koja North Jakarta, supporting the availability of devices and internet connections, and teacher development. Barriers, device limitations for all students, and resistance to changes in Social Sciences (IPS) learning methods in students of Mts Al Khairiyah Koja, North Jakarta.

### 4. CONCLUSION

Implementation of Social Sciences (IPS) learning in students of Mts Al Khairiyah Koja, North Jakarta. Technology-based learning has been proven to increase student interest and learning achievement. The use of multimedia and digital applications enriches the learning experience so that learning Social Sciences (IPS) in students of Mts Al Khairiyah Koja, North Jakarta, becomes more interactive and contextual.

### 5. SUGGESTION

Schools need to improve technology and development facilities for teachers.

Teachers continue to develop technology-based learning materials

Further research could be conducted to measure the specific impact of certain technologies on the outcome of social studies learning.

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