The Ability of Students in the Smart Society 5.0 Era in West Sumbawa Regency

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Abstrak

Penelitian ini bertujuan untuk menggali dan menggambarkan kemampuan peserta didik di Kabupaten Sumbawa Barat dalam menghadapi era Smart Society 5.0. Dengan latar belakang perubahan mendasar dalam interaksi antara manusia dan teknologi, penelitian ini fokus pada konteks pendidikan di wilayah tersebut. Kabupaten Sumbawa Barat, yang kaya akan budaya dan alam, turut mengalami dampak perubahan ini, terutama dalam konteks pendidikan.Penelitian ini menggunakan pendekatan kualitatif deskriptif dengan melibatkan peserta didik dari berbagai tingkatan, guru, dan orang tua. Data dikumpulkan melalui wawancara mendalam, observasi kelas, dan analisis dokumen. Analisis data dilakukan dengan menggunakan pendekatan content analysis untuk memberikan gambaran yang mendalam tentang fenomena yang terjadi di lapangan.Hasil penelitian menunjukkan bahwa sebagian besar peserta didik di Kabupaten Sumbawa Barat memiliki pemahaman yang cukup baik tentang konsep Smart Society 5.0. Meskipun demikian, terdapat variasi dalam tingkat kedalaman pemahaman, memunculkan tantangan dan peluang yang perlu diperhatikan. Observasi kelas menunjukkan bahwa integrasi Teknologi Informasi dan Komunikasi (TIK) dalam pembelajaran masih dalam tahap pengembangan, dengan hambatan seperti ketersediaan infrastruktur teknologi yang merata perlu diatasi.Pembahasan hasil penelitian menyoroti pentingnya pemahaman peserta didik tentang Smart Society 5.0 dalam menghadapi perubahan teknologi. Faktor-faktor seperti tingkat pendidikan, akses terhadap informasi, dan pengalaman pribadi dengan teknologi memengaruhi pemahaman tersebut. Integrasi TIK dalam pembelajaran juga perlu ditingkatkan dengan meningkatkan keterampilan guru dan memastikan akses teknologi yang merata di seluruh wilayah.Implikasi dari penelitian ini mencakup pengembangan kurikulum pendidikan yang responsif terhadap kebutuhan peserta didik di era Smart Society 5.0 dan perlunya pelibatan pihak terkait, termasuk orang tua dan komunitas lokal. Kesimpulannya, pemahaman yang mendalam dan integrasi teknologi yang efektif menjadi kunci untuk meningkatkan kemampuan peserta didik di Kabupaten Sumbawa Barat dalam menghadapi perubahan zaman.

Kata Kunci: Kemampuan Peserta Didik, Smart Society 5.0, Pendidikan, TIK, Sumbawa Barat

Abstract

This study aims to explore and describe the ability of students in West Sumbawa Regency in facing the era of Smart Society 5.0. Against the backdrop of fundamental changes in the interaction between humans and technology, this research focuses on the educational context in the region. West Sumbawa Regency, which is rich in culture and nature, has also experienced the impact of this change, especially in the context of education. This study used a descriptive qualitative approach involving learners from various levels, teachers, and parents. Data was collected through in-depth interviews, classroom observation, and document analysis. Data analysis is carried out using a content analysis approach to provide an in-depth picture of phenomena that occur in the field. The results showed that most students in West Sumbawa Regency had a fairly good understanding of the concept of Smart Society 5.0. However, there are variations in the depth of understanding, posing challenges and opportunities that need attention. Class observations show that the integration of Information and Communication Technology (ICT) in learning is still in the development stage, with obstacles such as the equitable availability of technology infrastructure needing to be overcome. The discussion of the research results highlighted the importance of students' understanding of Smart Society 5.0 in facing technological changes. Factors such as education level, access to information, and personal experience with technology influence that understanding. ICT integration in learning also needs to be improved by improving teachers' skills and ensuring equitable access to technology across regions. The implications of this research include the development of an educational curriculum that is responsive to the needs of students in the Smart Society 5.0 era and the need for the involvement of related parties, including parents and local communities. In conclusion, a deep understanding and effective integration of technology is the key to improving the ability of students in West Sumbawa Regency to face changing times.

Keywords: Student Ability, Smart Society 5.0, Education, ICT, West Sumbawa

INTRODUCTION

Background

The era of Smart Society 5.0 has become an evolutionary phase that marks a fundamental change in the pattern of interaction between humans and technology. West Sumbawa Regency, as an area rich in culture and nature, has also experienced the impact of this change, especially in the context of education. This study aims to explore and describe the ability of students in West Sumbawa Regency in facing the era of Smart Society 5.0, identifying challenges, opportunities, and local factors that influence.

Education Context in West Sumbawa District

Education in West Sumbawa Regency plays a crucial role in shaping the next generation. The extent to which learners can take advantage of the advantages of the Smart Society 5.0 era will be the key to their success in the future. Therefore, a deep understanding of the abilities of learners in this era is essential for designing responsive educational strategies.

Problem Statement

Based on this background, several problem formulations emerged: To what extent is the students' understanding of the concept of Smart Society 5.0 in West Sumbawa Regency? How is the application of information and communication technology (ICT) in the learning process? What are the local factors that affect the ability of students to face this era?

Research Objectives

This study aims to:

1. **Analyse students' understanding of the concept of Smart Society 5.0.**
2. **Assessing the Utilization of Information and Communication Technology in Learning.**
3. **Identifying Local Factors that Affect the Ability of Students in the Smart Society 5.0 Era.**

METHOD

Research Design

This study used a descriptive qualitative approach. This approach was chosen to provide an in-depth picture of the phenomena occurring in the field.

Research Subjects

The study participants involved students from various levels of education in West Sumbawa Regency, teachers, and parents.

Data Collection Techniques

1. **In-depth Interviews:** Conducted with learners, teachers, and parents to gain an in-depth understanding of their perspectives towards Smart Society 5.0.
2. **Classroom Observation:** See firsthand how technology, especially ICT, is integrated in the learning process.
3. **Document Analysis:** Examines educational policies, curricula, and related literature to gain contextual understanding.

Data Analysis

The data will be analyzed using a content analysis approach. The findings will be elaborated and placed in a broader context to provide a deep understanding.

Research Results

Student Understanding of Smart Society 5.0

From the results of in-depth interviews, it can be observed that most students in West Sumbawa Regency have a fairly good understanding of the concept of Smart Society 5.0. They realized that this era brought significant changes in the way of interacting with technology and information. However, there is variation in the degree of depth of understanding, where some learners are more likely to see positive aspects and opportunities, while others may face challenges in responding to these changes.

Use of Information and Communication Technology (ICT) in Learning

Classroom observations show that the integration of ICT in learning is still in the development stage. Although most teachers have tried to incorporate technology into their teaching, most learners still face obstacles in its implementation. Factors such as the availability of technology infrastructure and ICT use skills influence the extent to which learners can adopt these technologies effectively in the learning process.

DISCUSSION
Student Understanding

The results showed that learners' understanding of Smart Society 5.0 greatly influenced the way they interacted with technology. Students who have a deeper understanding tend to be more confident in using technology for learning and self-development purposes. Conversely, learners with limited understanding may feel awkward or reluctant to adopt new technologies.

It is important to note that this understanding is influenced by a number of factors, including education level, access to information, and personal experience with technology. Therefore, an approach that is inclusive and based on individual needs is key in increasing students' understanding of Smart Society 5.0.

Use of ICT in Learning

Although classroom observations show efforts in integrating ICT into learning, it should be noted that a number of obstacles remain to be overcome. One of the main barriers is limited access to technological infrastructure, especially in rural areas. This shows the need for increased investment and support from local governments in providing equitable access to technology.

In addition, it is necessary to conduct advanced training for teachers in order to integrate ICT more effectively in their learning. It involves developing digital skills and creativity in designing learning materials that make optimal use of technology. Teachers who are skilled in teaching using ICT can act as agents of change to improve students' digital literacy.

Implication
Curriculum Development

Based on the results of the research, it is necessary to review and develop an educational curriculum in West Sumbawa Regency to be more responsive to the needs of students in the Smart Society 5.0 era. The integration of digital skills, information literacy, and more effective use of technology in the learning process can be the first step in improving the ability of students.

Related Party Engagement

The results of this study also highlight the importance of involving various relevant parties, including parents and local communities, in supporting the abilities of learners. Training programs and workshops can be held for parents to provide further understanding of their role in supporting their children's digital literacy development.

CONCLUSION

In facing the era of Smart Society 5.0, deep understanding and effective integration of technology is the key to improving the ability of students. Education in West Sumbawa District needs to adapt and respond to these changes by designing learning strategies that are appropriate to the local context and paying attention to the factors that influence the application of technology in learning.

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