

Information Technology Innovation for Package C Program Learning in the Digital Era at PKBM Istiqomah

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ABSTRAK

This research aims to make new innovations in learning package C programs related to information technology in the digital era in facing era 5.0. This research uses qualitative methods with evaluation methods. The results of this study were carried out direct observation by going to the field. In analyzing this research the author starts from the environmental area around PKBM Istiqomah to find out the condition of surrounding education, then for indirect analysis using literature reviews related to education. This research also aims to 1) utilize information technology-based learning resources in the digital era, 2) implement information technology innovations in learning package C programs at PKBM Istiqomah. Researchers make digital information technology innovations so that package C learning citizens can carry out online learning by utilizing learning platforms and can improve learning as well as search for learning materials on the internet.

Keywords: Learning innovation, learning citizens, package C, information technology

INTRODUCTION

Innovation is a new change in the form of ideas or ideas that have benefits. Technological innovation in education is very important for competitiveness among countries around the world. In recent years, digital information technology-based education has become a rapid transformation around the world. Education is also a very important sector in the development and progress of society in a country. In the digital era 5.0, the demands in information technology are very large, therefore the demands on education continue to grow and hope to improve the quality of human resources.

Digital learning is learning that uses technology in the learning process system. Nowadays, everyone indirectly uses digital learning when they are searching for knowledge information or the latest news on the internet or social media. Various types of information found can be connected to large communities on the internet and social media. This can affect the exchange of information in society.

In the digital learning innovation of the package C program, it is expected to produce graduate outputs that are able to compete and be absorbed in the world of work (Musta'in & Handrianto, 2020). In making this digital information technology learning innovation, it must also be tailored to the needs of learning citizens so that it can make learning citizens have useful skills in the field of information technology. The use of this information technology learning can be easy in terms of finding learning materials, journal references, or research from experts.

This digital-based learning needs to be improved in PKBM Istiqomah. By making innovations in information technology learning in the learning process, tutors and pamong must be serious and introduce digital technology-based learning to learning citizens of the package C program. For example, by utilizing *smartphones* using digital learning applications such as *zoom*, *google classroom*, *google sites*, *google scholar*, *youtube* and many other digital learning applications. This also needs to be supported by facilities such as computers, LCD projectors, and internet access for learning. In addition, learning citizens must have a *smartphone* that can access the internet.

Therefore, researchers are interested in researching and writing information technology innovations for learning package C programs in the digital era at PKBM Istiqomah. Because this

research hopes to be able to make PKBM Istiqomah implement information technology-based digital learning.

RESEARCH METHODS

In this study using a qualitative approach with an evaluation method, where this research evaluates or provides input in the form of new learning innovations at PKBM Istiqomah. This evaluation method is applied because it looks at several aspects of learning and also to support a better learning process at PKBM Istiqomah. Through this research method can bring up the concept of learning information technology innovation in the digital era to assess several aspects of new innovations whether relevant and feasible to apply or otherwise to the learning of package C programs at PKBM Istiqomah.

RESULTS AND DISCUSSION

Result

This research was conducted at PKBM Istiqomah which is located in Mekarsari, Pulomerak Cilegon City, this PKBM contributes a lot to government activities in the community such as training, socialization, and community development programs. On Fridays and Saturdays PKBM Istiqomah provides non-formal education activities in the form of package B and package C which are attended by approximately 30 learning citizens, package B participants at PKBM Istiqomah are more than package C participants. In terms of learning and implementing package program education to learning citizens at PKBM Istiqomah, it can be concluded that the implementation of package program education is still less effective to implement. Tutors are still unable to master the learning characteristics of learning citizens and know the needs of learning citizens, this is expressed directly by Fani as a package B learning citizen, he said. "Learning for package B is still lacking because the learning is just that." While Akbar, a student of package C, said, "The tutor focuses more on package B so package C sometimes participates in package B learning." Meanwhile, the learning community also complained that learning was lacking because in one week it only relied on two days while they needed more exclusive and complete learning.

Analysis in this study was carried out by direct observation by going to the field. In analyzing this research the author starts from the environmental area around PKBM Istiqomah to find out the condition of education around, to find out the education standards applied, the author interviewed Mrs. Sri as the Head of PKBM Istiqomah who has served long enough, she explained that learning Package B and Package C at PKBM Istiqomah is only done twice a week, namely on Friday and Saturday. Then for indirect analysis using literature review related to education.

PKBM Istiqomah itself provides a variety of complete and arranged programs. Such as package A, Package B, Package C, TBM, Community Training, and Reading and Writing Program for housewives. However, it is very unfortunate that this PKBM only holds teaching and learning activities two days a week, while the learning residents of Package C themselves admit that learning is so very lacking.

Discussion

Learning Innovation through Information Technology

Technological developments cause changes in society. This information technology should be utilized in changing the learning process in Education to make the learning process easier, easy to access all information related to learning materials on the internet or Education platform. In addition, since information technology can be used to improve the standard of education itself, its support in learning innovation should be taken into account and considered.

In using digital tools in learning, package C learners can sharpen their mindset according to creativity and new concepts. In this digital learning innovation, tutors play an important role because they must have knowledge related to information technology in this digital era. Tutors must be able to create innovative teaching strategies and offer educational materials that are easily understood by learning citizens.

All educators should consider the process of designing current digital learning advancements. This relates to how these innovations are used and implemented in the learning process of the package

C program. Marek and Wu (2020) have outlined the steps as follows. First, formulate the objectives and outcomes to be achieved based on market needs. Second, selecting learning activities to achieve the formulated goals. Third, select technologies that are affordable to the learners. Fourth, develop a detailed learning plan. Fifth, teaching in the classroom and outside the classroom. Sixth, evaluate the overall learning outcomes.

Learning Principles of Package C at PKBM Istiqomah

In principle, the learning of the package C program at PKBM Istiqomah is carried out twice a week, which is less effective in the learning process and delivery of material. Learning at PKBM Istiqomah is still lacking so that learning citizens are still difficult to inform and know the learning needs they want and need. The satisfaction of learning citizens in learning at PKBM Istiqomah is still lacking because learning is *stuck* in the previous curriculum and there is no innovation in learning so that learning citizens are less enthusiastic about doing learning activities.

Effective learning communication between tutors and learners is essential to ensure optimal knowledge and skills transfer. Tutors should be able to understand learners' learning characteristics and adjust teaching methods according to their needs. In addition, good learning communication also allows learners to communicate their needs and problems openly to tutors, so that solutions can be found together.

Utilization of Information Technology-Based Learning Resources in the Digital Age

In this digital era, it is closely related to information technology, even mutually sustainable. Digital transformation occurs when the use of digital technology has reached a level that allows creativity and innovation, which in turn triggers changes in professional circles, both individuals and groups (Nurhayati, 2021).

In the utilization of information technology for learning is to avoid learning citizens from boring and bored learning. The utilization of information technology can be used by tutors or learning citizens to find learning resource materials in order to learn more about the material being studied. With the utilization of information technology, it is hoped that it can increase the enthusiasm of learning citizens in learning that was previously boring.

In addition, regular monitoring and evaluation needs to be carried out to evaluate the impact of the programs that have been implemented. Data and input from the community should be used as a basis to continuously improve and adapt programs at PKBM Istiqomah to be more responsive to changing needs.

Information technology learning as a learning medium that uses the internet certainly has advantages and disadvantages in carrying it out, some of the advantages in the process of implementing digital information technology learning are economical, accessible, efficient, collaborative, flexible, creative and independent. This digital learning can be accepted and taken quickly because users are motivated by its advantages, while the disadvantages are about the lack of interaction between tutors and learning citizens, it can also be constrained by the internet network, especially in remote areas that have not been able to access technology. Because not all places have internet facilities. This is related to the availability of electricity, telephones, or computers.

Implementation of Information Technology Innovation in Learning Package C Program at PKBM Istiqomah

Implementing digital-based learning for package C learners requires hard work from tutors and learning agents as the spearhead of non-formal education. Therefore, implementation steps must be formulated and weaknesses and strengths must be analyzed before implementing it (Setiawan, 2019). In addition, to facilitate the transition of package C learners to digital learning, parents and tutors must be creative. To meet the challenges of digital learning, tutors must also improve their self-efficacy and teaching competence.

Learning at PKBM Istiqomah is usually done directly and using limited materials or tools. However, in the current development of information technology, learning can be done indirectly by using online platforms such as zoom, Google Meet, etc. And also many learning platforms are used

such as, Classroom, Quipper, Ruang Guru, and Zenius. And also many learning platforms are used such as, Classroom, Quipper, Ruang Guru, and Zenius.

By applying this information technology learning innovation, learning at PKBM Istiqomah in the package C program becomes more exciting and also the learning citizens are very happy with the new learning methods that make the learning process not boring. In the field research process, the author introduces a little related to information technology in learning and also platforms that can be used in the learning process.

PKBM Istiqomah can develop related equivalency programs, both from the government and the private sector, to support the provision of resources and services needed by learning citizens. This collaboration could also expand the reach of PKBM Istiqomah's program and increase its effectiveness in achieving the objectives in learning education of the Paket C program.

CONCLUSIONS

The results of this study provide new innovations and improve the learning process of the package C program at PKBM Istiqomah in the digital era. Based on the results of research on package C learning citizens that learning is felt to be lacking because in one week it only relies on two days while they need learning that is more exclusive and not boring. Therefore, researchers make digital information technology innovations so that package C learning citizens can carry out online learning by utilizing learning platforms and can improve learning as well as search for learning materials on the internet. In organizing this program, the role of tutors is very influential to make an innovation in digital information technology learning.

This research is the first step in making information technology innovations at PKBM Istiqomah, so that during further research it is hoped that it will be able to design better innovations, so that learning is more structured and efficient.

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