

Innovative Learning for Literacy Tutors in Facing the Era of the Industrial Revolution 4.0

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Abstract: Innovative learning for literacy tutors is an activity to foster tutor awareness in the development of learning methods. This activity aims to describe innovative learning for literacy tutors in facing the era of the industrial revolution 4.0. The techniques used in data collection are through interviews, FGD observations and documentation. The tools used in data collection include: interview guidelines, observation guidelines and documentation guidelines. The results of the activities show that innovative learning models for literacy tutors include components of objectives, materials, strategies, learning steps, media, learning resources and evaluation.

Keywords: learning, innovative, tutor

I. INTRODUCTION

Every human life is always equipped with learning activities. Learning can be done anywhere, anytime and with anyone. However, learning activities that are less meaningful for participants to learn the knowledge gained does not have meaning that is meaningful to their lives. Learning is a process of communication and interaction between learning citizens and educators organized to achieve the learning objectives needed [1]. Therefore, educators must understand what is needed by students, so that what is conveyed can be accepted and applied in their lives. For example, in terms of literacy learning. Literacy learning is a process of interaction between educators and literacy learning citizens to achieve maximum results, namely learning citizens can be free of illiteracy. Surely it must be done in various ways or methods that are appropriate so that the material can be conveyed [2].

The era of industrial reform greatly influenced the learning process of literacy education. The more sophisticated the technology that demands learning must be increasingly and innovative. The industrial revolution 4.0 is a unique phenomenon compared to other industrial revolutions. The term industry 4.0 itself was officially issued in Germany taken when the Fair Hannover was held in 2011 [3]. Some countries also participated in realizing the concept 4.0 but using different terms such as Smart Factory, Industrial Internet, Smart Industry. Some of these technologies develop technology in the field of sharing. The impact of exposure to the industrial revolution had negative and positive effects. From the benefits obtained about increasing work acceleration, increasing service to customers and increasing revenue. Besides bringing benefits, the industrial revolution raises challenges that must be carried out by society. Industry 4.0 challenges are challenges to resistance to changes in demographics and social aspects, instability in political conditions, limited resources, risk of natural disasters, and improvement in the application of environmentally friendly technologies [3].

The learning method is an important component in learning because it serves as an introduction to the interaction between educators and students. Learning methods can be explained in more detail is the way or situation used or designed by educators for students in the

learning process so that the material delivered can be received easily [4]. In this case, educators must have creativity in developing learning methods. Educators in the literacy learning process are referred to as tutors. During this time literacy learning activities designed by tutors are still guided by conventional methods such as schooling systems. That is because tutors in literacy education generally come from that part of the community, so experience in developing learning methods is still minimal. In addition, literacy tutors are only guided by handbooks that are a guide in delivering material. Though it needs to be known that the target of literacy groups are adults who already have a lot of experience in their lives, so it is necessary to have innovative methods that can motivate citizens to learn to learn literacy [5]. The importance of developing the learning innovation method for three reasons. The first reason is that the learning method is a manipulative variable which means the tutor has the freedom to choose and use the learning method in accordance with the characteristics of the learning community. The second reason is that the learning method has a function as an instrument that helps citizens learn in gaining learning experiences. The level of difficulty of the material can be overcome if the tutor is able to develop learning with methods that are attractive to learning citizens [1]. The last reason is that the development of learning methods in the context of improving the quality of learning outcomes needs to be pursued continuously and is comprehensive because the learning process is a determinant factor to the quality of learning outcomes. Innovative learning methods can be in the form of group discussions, problem solving, based on experience and life. Therefore, the development of innovative learning methods for literacy tutors is considered very important to face in the era of industrial reform 4.0 [6].

II. METHOD

This study uses qualitative research with action research in learning. Qualitative research is a type of educational research in which researchers view participants as subjects, ask questions about something general, collect data consisting mostly of sentences from participants, explain and analyze themes with sentences,

and conduct investigations in a more subjective way (Creswell, 2008). The subjects in this study were literacy tutors. The techniques used in data collection are through interviews, FGD observations and documentation. The tools used in data collection include: interview guidelines, observation guidelines and documentation guidelines. Data analysis is the presentation, management and interpretation of data collected from data sources to be interpreted. The data analysis technique used in this research is descriptive qualitative analysis. To process and analyze data using qualitative descriptive techniques. Describe, explain, conclude and interpret the data in narrative form.

III. DISCUSSION

Innovative learning provides meaningful benefits for literacy tutors. This is because learning activities that have been carried out by tutors have not used innovative learning methods to the full. Besides this activity is able to answer the problems that have been faced by tutors in the implementation of learning. The problem that is often experienced is the low motivation level of literacy learning citizens as evidenced by the decreasing presence of learning citizens from 10 learning residents to 3 learning citizens. The problem has been given a solution by the speaker that is a tutor must have a good impression so that learning citizens continue to feel the need to learn. Tutors should not feel the most able in the sense that they do not consider that the learning community has enough experience to be a source of learning [7, p. 0]. In this case the learning process must be centered on the learning citizens not the tutor.

In facing the era of the industrial revolution the importance of applying innovative methods. The PAKEM learning method, namely Effective and Enjoyable Creative Learning, is a learning method that is able to provide new innovations for learning citizens. It is made clear that quality learning is fun, challenging, encourages exploration, provides successful experiences, and provides thinking skills [8].

The process of learning using PAKEM through stages:

1. Purpose The goals in PAKEM learning are more focused on the ability to think creatively in facing technological advancements.
2. Material The material presented adjusts to the needs of learning citizens. Tutors must have the ability to compile material using existing natural resources in accordance with the demands of information technology
3. Strategy The learning strategy is carried out by forming small groups and performance.
4. Steps of learning Concrete experience, which is analyzing the experience of a tutor while becoming a literacy tutor. Implementation of learning is by involving participants to actively participate in solving problems
5. Media The media

applied is to use the internet as a tool to find learning resources, namely by viewing learning videos, looking for materials in literacy learning.

6. Learning resources Learning resources used in the form of books as a reference, the internet, the environment, the target group, tools used in learning include LCD, recording devices.
7. Evaluation The evaluation is done through observation during the learning process. Through these PAKEM learning activities, literacy tutors increasingly understand innovative methods of learning in facing the era of the industrial revolution 4.0.

IV. CONCLUSION

Innovative learning for literacy tutors will be meaningful by paying attention to the stages starting from the objectives, materials, strategies, steps, media, learning resources and evaluation.

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