

Utilization of E-Module as Blended Learning Source at C-Package Equivalence Education Program PKBM Abdi Pertiwi Serang

Dadan Darmawan¹, Herlina Siregar^{2*}, Syifa Ufaira Firstiandi³

{herlina.siregar@untirta.ac.id²}

Universitas Sultan Ageng Tirtayasa, Banten, Indonesia

Abstract. The use of e-module as source of learning is a process on making e-module to be more beneficial. This research aims to describe the utilization of e-module as learning source in blended learning on C-package equivalence program at PKBM Abdi Pertiwi Serang. The approach used in this research is qualitative approach with descriptive method. The data-collecting technique used in this research are observation, interview, study documentation and literature review. In this research, there are 10 persons as the source of the research which consists of 1 person in charge, 3 tutors and 6 denizens which will assist the research. Based on result of research, it shows: the utilization of e-module as source of learning at PKBM Abdi Pertiwi had been done accordingly although the utilization is only done for one year. It is proved with the frequent use of e-module in daily learning and it is able to support the blended learning process.

Keywords: Utilization of E-module, Community Learning Center

1 Introduction

In Indonesia, there are three ways to acquire education which are formal education, informal education and non-formal education. Non-formal education is a way to acquire education outside of the formal education which could be carried out in stages and structured [1].

One of the education institutions which held education activities for the community is Pusat Kegiatan Belajar Masyarakat (PKBM). According to UNESCO[2], PKBM is a place which gives lifetime chance to study for all people in the society. That is done to make the people independent, increase their quality of life and to develop the society of the people.

PKBM Abdi Pertiwi is an education institution located at TPI Housing Complex block F3 No.30, No. 33-34, Kel. Pipitan Kec. Walantaka, Kota Serang, Banten. PKBM Abdi Pertiwi organize various programs, one of which is the C-package equivalence education program.

Equivalence education program is a program made for those who are unlucky enough to continue their formal education which could be caused by many factors, starting from economy factors, unsupportive environment, broken home which causes students not interested in school therefore making them to be expelled from school, etc. Not only that, this equivalence program is useful for adults who want to acquire education certificate which is equivalent to the formal education. Equivalence education program is divided into three program which are A package (equivalent to elementary school), B Package (equivalent to

junior high school), and C package (equivalent to senior high school). In the C-package equivalence program held by PKBM Abdi Pertiwi, there are many sources of learning used which are module, tutors, e-module, etc.

With the rapid technological development, it pushes the transition from printing technology to computer technology in educative activity. Module that was once printed was transformed on its uses into the form of electronic therefore introducing e-module. According to Nugraha and friends stated by [3] "Electronic module or e-module is defined as an educative media which uses computer that shows text, picture, graphic, audio, animation and video in the learning process". Smeets and Bus also stated in [3] that electronic books which had been inserted with multimedia features could enrich the experience of reading a book if it is used correctly. Interactive electronic book is the best alternative which could contribute to the increase of reading comprehension and reading interest.

During the pandemic of Covid-19, the use of communicative technology, education technology and media learning is very important in the context of using it in learning process. The main Objective of the application of this new technology is to improve the quality, effectiveness and efficiency of learning. Methods and Strategies are also an innovation in learning. Technological advanced produce modernity, growth with educational, economic growth, social mobilization, expansion or other cultural expansion [4]

The learning tendency in today's era has change from traditional learning to the direction of future learning which is known as the era of knowledge. This era is known for the ability of someone being able to learn everywhere and everytime. All sources of learning are designed to push initiativeness of the students and making the learning process to be more effective, efficient and intriguing therefore making the students would be more serious in following the learning process. In order to apply the mentioned things above accordingly, we will need innovation in cultivating it. One of the innovations we need is the application of Blended Learning model.

The blended learning model has certain special characteristics compared to other learning, namely a learning model that utilizes technological sophistication and can be accessed online. In onlie learning, all learning processed that are usually carried out directly in the same place are shifted to virtual. The subject matter can be obtained by students in the form of files that can be downloaded for free[5] while the media used is an electronic module, where the electronic module itself is an update from a print module to an online-based module that can be accessed via smartphones or computers connected to the internet network and supports access to electronic modules [6]

E-module is source of learning which is designed by the Ministry of Education and Culture and its aim is to ease the process of the people learning. It also aims to make the process of learning enjoyable and less boring. The making of e-module is initiated because of the demands of the digital era and the 2013 curriculum which force the people to learn actively and to be more independent.

E-module is the digital version of the conventional module (printed module) which means there are no differences between both of them except the form of the module. Printed module is the form of printed source of learning.

E-module is also a media made for independent learning because inside it had been written the guide on how to learn independently. E-module is the modification of the conventional module which integrates the technology of information so the module would be more intriguing and interactive. With the creation of e-module, we could add more multimedia facilities such as picture, animation, and video inside the e-module.

The aims in making the e-module are as follows: to distract the attention of the students from opening less beneficial contents to much more beneficial contents therefore giving the options to the students to dig out much more intriguing source of learning, giving solution to students so they could utilize the informational technology wisely and intelligently. It also gives the answer to the tutor in answering the challenge in the rapid development of informational technology

PKBM Abdi Pertiwi uses e-module as source of learning to make it easier for teacher in delivering the learning materials. Denizens using the e-module could access it through their own handphone therefore making the use of e-module much more efficient. The use of e-module also expected to make the learning activity much more intriguing.

The e-module used by PKBM Abdi Pertiwi is sourced from (emodul.kemdikbud.go.id). In this e-module contains the learning material of the A-package, B-package, C-package, curriculum, operational guidelines and syllabus.

From the initial observations, researcher found out tutors are not using the provided e-module in every meeting because they felt they were bothered by it. The denizens being taught to also do the same thing because not all denizens happily used because they felt they were bothered by it. The older denizens also felt bothered by it therefore are not using the e-module in the learning process. There are many obstacles in using the e-module such as slow internet connection therefore making the use of e-module to be hampered.

Seeing the reality behind the usage of e-module, the researcher is intrigued in knowing what really happens in utilizing the e-module, in knowing the readiness of both the tutors and denizens in utilizing the e-module, also in knowing how to motivate the denizens to learn by utilizing the e-module.

Therefore, researcher choose the topic "Utilization of E-Module as source of Blended Learning in C-Package Equivalence Program at PKBM Abdi Pertiwi Serang."

2 Research Method

The research method used in this research is descriptive method with qualitative approach. This research uses said method because this research will explore the phenomena of e-module utilization as the source of learning in blended learning in the C-package equivalence education program at PKBM Abdi Pertiwi Serang.

This research is conducted at Pusat kegiatan Belajar Masyarakat (PKBM) Abdi Pertiwi Serang which located at TPI Housing Complex block F3 No.30 No.33-34, Kel. Pipitan, Kec. Walantaka Serang, Banten.

The source for this research consists of primary source and secondary source. The primary source consists of 1 person in charge, 3 tutors, and 6 denizens whereas the secondary source consists of literature, article, journal and internet sites related to the research.

The data-collecting technique of this research consists of data-collecting, data reduction and drawing of conclusion. The credibility test attempt of this research is using the triangulation technique. Triangulation technique is done by checking the data to the source of research but with different techniques.

3 Result and Discussion

3.1 Result

3.1.1 The Utilization of E-Module as Source of Blended Learning in C-Package Equivalence Program at SKB Serang

Based on the interview, the use of e-module is quite frequent in daily learning process and all tutors are already use the e-module but not all tutors are using the e-module in every and each face-to-face learning process. The benefits of using e-module in daily learning process are as follows: it is easy to use, practical and the giving of assignment is made easy and it could be used everywhere. Other than the benefits of e-module, there are also the constraints in using the e-module. The constraints are as follows: The unavailability of internet quota in the denizens learning using the e-module, the unavailability of handphone for some denizens and the knowledge of technology which some denizens do not have, therefore making some of them choose to learn the conventional way rather than using the e-module

In the initial phase of the project, the chief of PKBM introduce the e-module through socialization to the denizens. The e-module then was reviewed by the tutors in the process of learning. The learning process with e-module is done through opening the e-module together with the denizens. For the learning process, the chief of PKBM (person in charge of program) gives independency to the tutors. Some tutors chose to use infocus while the others chose to use handphone. Moreover, tutors do not have any problems in utilizing the e-module because they understood the how to in using the e-module. Nevertheless, there are still problems happening in utilizing the e-module but it is a problem experienced by the denizens. The problem often came from the lack of seriousness the denizens are having while learning using the e-module.

Tutor uses many other learning materials such as book's official learning book to support the use of e-module. In terms of learning materials, there are other problems which arise that will hamper the learning process. The problems came from some denizens which does not use alternative learning materials that was not given by the tutors, although there are also some denizens that have initiative to search for alternative learning materials other than the ones given by the tutors to support the learning process.

There are some criteria to be looked upon in choosing the supporting materials, which are the chosen curriculum, comprehensiveness of materials and the needs of denizens.

3.2 Discussion

3.2.1 The Utilization of E-Module as Source of Blended Learning in C-Package Equivalence Program at SKB Serang

The utilization of e-module at PKBM Abdi Pertiwi Serang is quite frequently done and all tutors had already used the e-module. According to Rokhmania & Kustijono that e-module are sources or learning guides in electronic form, emodules allow learning to take place not only in the classroom but also outside the classroom [7]. Nevertheless, not all tutors are using the e-module for every meeting because they need to adjust the use of e-module with the different learning situation for every meeting. The situation meant are the speed of internet connection used and the enthusiasm of the denizens. The advantages using of e-module felt in everyday learning are it was easy-to-learn, practical, and the task used in the e-module is quite easy moreover it can be used wherever and whenever while the disadvantages in using the e-module

are the limitation of internet quota each denizens have and the limitations on the availability of android handphone each denizens have. This is caused by the lack of knowledge in technologies the denizens have so they choose to use the conventional method of learning.

The things discussed before shows how e-module had been utilized as learning source in daily learning activities. From the use of e-module in daily learning class by both denizens and tutors, it can be seen that e-module is beneficial for its users. Although there are also some constraints in the use of it, but still manageable by the tutors.

E-module is chosen as the source of learning at PKBM Abdi Pertiwi Serang because it can ease learning, easy to acquire (sourced from link) and flexible. Flexible means it can be accessed anytime and anywhere also it is a proper source for the type of learning which uses blended learning method. According to Thomas, stated by [8], blended learning is not only a modern lifestyle, but also can provide special benefits for students to improve access and comfort, improve the quality of learning, and reduce costs. The advantage of online learning for students was that they no longer have to come to the actual class to take courses. For students who take school while working or have a family found that online learning was very helpful for them [9]. E-Modules can be used as teaching materials for blended learning models because they can increase students interest in learning[10]

The chief of PKBM Abdi Pertiwi Serang introduce the e-module by socialization and was done at auditorium. The e-module then was reviewed by tutor in the learning process and denizens. In terms of using the e-module in classes, the chief of PKBM as the person in charge gives independency towards tutors. Some tutors used infocus while some others are using handphones. According to denizens, tutors do not have any obstacles in introducing and using the e-module in classes because tutors had understood the e-module rather the denizens have difficulties in using the e-module because they still lack of seriousness in learning using the e-module.

According to researcher, all of the thing discussed before was the right thing that had been done by the PKBM Abdi Pertiwi Serang. By doing socialization and re-explaining in classes makes denizens understand the how-to of using e-module in the future. Tutors do not have any obstacles in introducing and using the e-module shows how easy it is to use e-module. The problems tutors had was the lack of seriousness and it is a common thing to be found because the learning activities was done in the afternoon so it reduce the seriousness of denizens in learning. Nevertheless, tutors must be able to solve that problem so the learning activites will be much more effective.

In looking for alternative learning materials from other sources, it could be concluded that tutors used other learning materials as the support materials for e-module such as school's formal books, printed module and the application called "*ruang guru*" but not all denizens are able to look for alternative learning source besides the one given by the tutors. One of the factors which caused this is the business of the denizens. Although, there are also some denizens which had high initiative to look for alternative learning source other than the one given by the tutors such as from Google and questions from Zenius and *Ruang Guru*.

Tutors are quite creative in using their learning source because they did not just use one source, rather they use many sources for the learning materials. With it, denizens are able to acquire more diverse learning source. Nevertheless, not all denizens are willing to look independently for alternative learning materials because they were busy with their own activities. Not all denizens are at the age of students, some are working already. This was causing some denizens to not have time for looking other learning materials other than the ones tutor had given.

In choosing the reference of supporting materials for e-module, there are some criterias that must be looked upon such as curriculum, completeness of the materials and the needs of denizens.

Those things would make the utilization of e-module to be more effective because it is followed by the use of supporting reference. With the supportive reference materials which are the type of curriculum, the completeness fo materials and the needs of denizens will make the chosen reference to be precise because it had been adapted to the needs of the denizens.

The use of e-module in daily learning activities on C-package equivalence program at PKBM Abdi Pertiwi Serang was felt to be effective by tutors but denizens deemed otherwise. Denizens felt the of e-module was still not quite effective because they themselves had not been maximizing the use of e-module because they seldom use the e-module.

According to the researcher, the utilizing of e-module in the learning process are effective because the use of it was easily understood by tutors and denizens also the use of it in learning process are quite frequent. On the other hand, denizens still feel the use of e-module was not effective because they themselves are seldom to open it. Some are using it if they only learn in class, while some others prefer to use other learning sources so they are seldom to open the e-module unless they were instructed by the tutors. State by [11] the development of blended learning leads to the teaching materials used. One of the teaching materials used is in the form of modules in electronic packaging.

To be able to utilizing the e-module as effective and maximum as possible, tutors must be able to frequently use e-module and delve deeper on the learning materials in it also to innovate in using it on learning process.

Those steps are done so the utilization of e-module was more maximum and effective. Tutors must be frequent in using the e-module in class so both the tutors and denizens will be used to in the usage of the module. In return, they would be able to understand the module. Moreover, innovation must be made so denizens would not be bored in the long-term use of e-module.

The connection of individual learning and source of learning hold an important role in deciding the success of study for the denizens. Thic could fix the quality of teaching which must be supported by many facilities such as learning source and more help from other educactors. The main point of teaching is put on the interaction between denizens and the available learning sources while tutors in this term will only act as supporter or stimulator for the denizens to learn.

The use of learning source in the learning process will be able to improve the result of denizen's learning process, only if in the using of it, tutors are able to utilize it well. Tutors must present the learning source to be as interesting as possible so it will intrigue the learning will of the denizens.

Based on what had been described above, e-module is the exact choice to be used as a learning source because it has fulfilled the principal criteria explained above. E-module is used because it adapts to the way denizens not being able to attend on every learning meeting. As we know, not all package-C denizens came from students, while some came from older class citizens which some are workers and some are learning at PKBM. With the use of e-module, it eased them on learning because e-module could be used anywhere and anytime. Tutors are also presenting the e-module with the correct way, and also paying attention to the condition of their denizens. If denizens started to becoming bored by using the e-module, tutors will change the source of learning to other ones other than e-module.

Authors' Contributions

The role or contribution of the writer in this research titled "THE UTILIZATION E-MODULE AS BLENDED LEARNING SOURCE AT C-PACKAGE EQUIVALENCE EDUCATION PROGRAM AT PKBM ABDI PERTIWI SERANG" are giving ideas, formulating the formulation and the comprehensive research target then describing all of the research in the form of article.

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