Project Based Learning Model in The Post Pandemi Period at Pancasakti Tegal University

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Abstract. Since the Covid-19 pandemic was declared over, and learning activities have been allowed to be carried put face-to-face, of course this will make a lot of changes. Changes in the atmosphere and conditions of learning activities are very interesting to study. This certainly can be used as material for evaluating the models, methods and learning media used. The learning model that is suitable after studying online for a long time so that students don't get bored is the project-based learning model. The project based learning learning model is a learner-centered learning model. Where students are trained so that they can become independent individuals, able to solve problems by producing a project. The project-based learning learning model is theoretically very suitable when applied to the post-Covid-19 pandemic, but further research is still needed to test its effectiveness.

Keywords: Learning Model, Project Based Learning, Post-Covid-19 Pandemic

1 Introduction

Two years ago, the world experienced the Covid-19 disaster. Indonesia is one of the countries with the biggest impact. The impact of Covid-19 occurred in various sectors, especially in the education sector. The Indonesian government has also made every effort to break the chain of transmission of Covid-19, and one of its policies is to issue Circular Letter Number 15 of 2020 concerning Guidelines for Implementing Learning from Home in an Emergency Period of the Spread of Corona Virus Disease (Covid-19).

In the world of education, these two years have experienced very significant changes, especially in Indonesia where learning activities have always been carried out face-to-face, not even though learning activities have been carried out online. Not all educators are proficient in the IT field. This is certainly homework for all educational institutions, especially in tertiary institutions. All lecturers are required to be able to master IT in order to continue teaching effectively.

On September 16 2022, Pancasakti University of Tegal issued Chancellor's Circular Number 1340/K/D/UPS/VIII/2022 concerning Organizing Odd Semester Learning for the 2022/2023 Academic Year, the contents of which stated that it was permissible for learning activities to be carried out face-to-face but must remain implementing health protocols.

Lecturers as teaching staff in tertiary institutions are one of the key factors in learning activities. The achievement of learning objectives can be seen from the quality of the students. This is of course the lecturer who is the key to whether teaching is effective or not. One of the things that must be considered before carrying out learning activities is what kind of learning model should be applied?

Lots of learning models emerged after the Covid-19 pandemic, especially during the 4-0 industrial revolution era where everything could be digital. The learning model is a design that is used as a guide for carrying out learning activities. The learning model that is applied, an educator certainly knows that the learning model can be used as a guide in determining the conceptual framework[1]

After two years of learning activities carried out online, of course this made some students feel comfortable, so that after the circular letter stated that face-to-face learning activities could be implemented face-to-face, students would feel lazy, moreover the learning model applied was very boring, not varied.

The project based learning learning model is one of the priority programs in the independent curriculum which offers interactive learning [2]. The project-based learning model is a project-based learning model, where activities serve as learning tools to achieve learning objectives [3]. So, the project-based learning learning model is one of the learning models that is well suited to be applied in the post-Covid-19 pandemic because this learning model is student-centered, so that after students are used to learning in a relaxed manner for two years, they will be enthusiastic because of the learning activities. not monotonous, only educators are active.

2. Method

The writing of this journal uses the method of literature review. By applying the literature study method, it means that in conducting research the writer carries out a series of activities related to library data, reading, and taking notes to obtain research [4] This is what the author considers, whether this research is worth discussing or not.

There are several steps in conducting research using the literature study method, namely knowing the type of literature needed, meaning that when conducting research using the literature study method, the writer must know what types of literature are needed, for example journals, books, articles or it could be the internet. The next step is to read the type of library needed. At this step, if the writer already knows what type of literature is needed, then the writer must read the literature to find out the information in books, journals and articles. The next step is the writer conducts an assessment, that is, if the writer has obtained the information contained in the book, article or journal, the writer must make notes to examine which data or information is in accordance with the research theme being discussed. The final next step is to present the results of the literature study.

3. Result and Discussion

After two years of carrying out learning activities online, of course students are used to participating in learning activities with a sense of comfort, because when participating in online learning activities, students can do other activities such as playing with their cellphones, eating, or maybe doing other homework without feeling bad. because the cellphone camera is turned off. So, in order for students to participate in learning activities with enthusiasm, of course the lecturer must think about what learning model can be applied so that students remain enthusiastic about participating in learning activities[5].

The project based learning learning model is a learner-centered learning model. The project based learning learning model is very appropriate if it is carried out in tertiary institutions. This is in accordance with the independent learning curriculum, which provides opportunities for students to be able to learn to solve problems, be able to work in teams and be able to produce projects that will be presented in front of their friends..

1. Basic Considerations for Learning in the Post-Covid-19 Pandemic Period

a. Circular of the Chancellor of Tegal Pancasakti University Number 1340/K/D/UPS/VIII/2022 concerning Organizing Odd Semester Learning Years 2022/2023 at Pancasakti University of Tegal.

b. Circular Letter from the Ministry of Education, Culture, Research and Technology, Directorate General of Higher Education Number 4 of 2021 concerning Implementation of Face-to-Face Learning for the 2021/2022 Academic Year.

Since the publication of the Circular Letter above, Pancasakti University of Tegal has started implementing a face-to-face learning model while still prioritizing the safety and health of its lecturers and students.

2. Implementation of the learning model in the Post-Covid-19 Pandemic Period

Two years of learning activities carried out online with the lecture method make students experience saturation. Lecturers as one of the spearheads in learning activities must certainly be able to innovate in creating effective and efficient learning activities. Many learning components can be changed so that learning activities are not boring, one of which is the learning model.

The project-based learning model, in which students become learning centers, is very suitable to be applied in the post-Covid-19 pandemic. By applying the project based learning learning model, lecturers train students to be active, to be able to think critically, train students to be able to solve problems by producing a project.

a. Definition of Project Based Learning Learning Model

The project-based learning learning model is a learning model that has the goal that students focus on a problem in conducting investigations and so they can understand the material [6]. The project-based learning learning model has one goal, one of which is that students are given the opportunity to explore material in various ways and to be able to conduct experiments collaboratively.

[7] state that the project based learning model is a learning model that uses problems to integrate new knowledge based on real experience. Meanwhile, [8] says that the project-based learning model is a learning model that uses projects as learning media to achieve attitude, skill and knowledge competencies.

From some of the definitions above, the authors conclude that the project-based learning model is a learner-centered learning model, motivated by a problem which students are then given the opportunity to be able to investigate these problems so they can gain real experience so they can learn to solve problems by produce a project.

b. Project Based Learning Learning Model Syntax

Each learning model has syntax. This is of course so that learning activities can achieve the expected goals. The steps that must be taken in implementing the project based learning learning model are as follows.
a) Prepare questions related to the material being studied.
b) Develop a project plan.
c) Make Schedulle.
d) Monitor the implementation of project-based learning.

e)   Test and provide value to the project created.

f)   Evaluation of project-based learning.

c. The advantages of applying the Project Based Learning Learning Model

a)   Students will learn to solve a problem with the knowledge they have.

b)   Students can integrate their knowledge and skills simultaneously and can apply them in the relevant context.

c)   Students will be more able to think critically, be able to foster initiative while working which can develop interpersonal relationships in groups..

d)   In project based learning learning is very closely related to situations in real life so that the learning experience of students is more meaningful.

e)   Students are given the opportunity to choose what to learn and how to learn it.

f)   Making cooperative learning.

3.Conclusion

Learning activities, especially in tertiary institutions after the Covid-19 pandemic was declared over, should change the learning model which is usually teacher-centered and should be replaced with student-centered learning activities. This is so that it adapts to the MBKM program where the campus program aims to train students to master science so that they are ready when they enter the world of work.

Therefore, the most suitable learning model is a student-centered learning model, one of which is the project-based learning model. The project-based learning learning model is very suitable to be applied because by applying this learning model, students are trained so they can produce projects from a problem under study.

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