

Analysis Of The Motivational Factors For Learning Biology Of SMA Negeri 4 Tuban Students In Online Learning (On-Line) Through Q . Class

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Abstract

The background in this research is that since the COVID-19 pandemic, learning has been carried out online (on-line). The existence of disturbances in the learning process causes some changes to students which ultimately affect their learning motivation. Motivation is one of the important factors that affect learning outcomes. For this reason, a research was conducted with the aim of analyzing the motivational factors for learning Biology through the KelasQ application. The research subjects were 37 students of class XI IPA SMA N 4 Tuban. This type of research is Classroom Action Research, which is carried out in 2 cycles. The results of the study: (1) Cycle I learning process using class Q student motivation obtained 46% with low criteria (2) Cycle II obtained 90. % with good criteria. Thus, it can be concluded that online learning using Class Q can increase students' motivation to learn Biology at SMA Negeri 4 Tuban. The motivational components include attendance, paying attention, actively asking questions, enthusiastically answering, having a curiosity about the material given, working on individual questions, conducting discussions, reading from other sources, collecting assignments on time, trying to get the best value.

Keywords: Learning outcomes, online learning

1. Introduction

Since the COVID-19 pandemic, learning has been conducted online. The existence of disturbances in the learning process causes some changes to students which ultimately affect their learning motivation. Motivation is one of the important factors that affect learning outcomes.

This changing learning system has had a major impact on the world of education. The change in learning is a situation that requires entering information literacy in academic culture (Nursobah, 2020). One of the causes of this big change is that online learning is carried out suddenly, this is has a major impact on the readiness of schools, teachers and students in implementing inadequate learning. Moreover, due to the impact of the corona pandemic that hit so that learning did not run optimally because they had to stay at home and implement physical distancing (Abidin, 2020). By studying at home, the biggest difficulty faced by teachers is when implementing the home study method. Therefore, every way must be done so that there is a significant increase even though learning is done online. The role of parents is needed when online learning takes place (Noveandini, 2010). This situation of course has an impact on the quality of learning, students and teachers who previously interacted directly in the classroom now have to interact in a limited virtual space. teachers are required to provide good teaching, create a conducive atmosphere for learning and creatively and innovatively use interesting learning media so that students can understand the subject matter. and learning objectives can be achieved This situation of course has an impact on the quality of learning, students and teachers who previously interacted directly in the classroom now have to interact in a limited virtual space. teachers are required to provide good teaching, create a conducive atmosphere for learning and creatively and innovatively use interesting learning media so that students can understand the subject matter. and learning objectives can be achieved This situation of course has an impact on the quality of learning, students and teachers who previously interacted directly in the classroom now have to interact in a limited virtual space. teachers are required to provide good teaching, create a conducive atmosphere for learning and

creatively and innovatively use interesting learning media so that students can understand the subject matter. and learning objectives can be achieved

The spread of the corona virus has resulted in teachers and students becoming victims of this virus outbreak. The impact felt by students is a negative impact because they are "forced" to do learning from home. Moreover, many students who are not used to studying online have never even experienced learning online.. This becomes an obstacle in the learning process that can reduce student interest in learning (Suryani, 2010 in Jamaluddin, 2020). Especially with teachers who do not understand internet technology or the use of various online learning media, especially those in the regions. This results in less efficient learning, lack of student concentration and difficulty in understanding students.

PaIn online learning, students can be passive and less active in conveying their aspirations and thoughts, less interacting with their friends, and also their teachers so that it can result in boring learning. A student who experiences boredom in learning will reduce enthusiasm in learning so that it is not uncommon for students who are not present to attend online or do the assignments given by the teacher.

Low learning motivation can lead to low student learning success. Weak learning motivation will weaken learning achievement and weaken learning activities. Through pre-research interviews conducted with several other subject teachers that during online learning, students' learning motivation decreases, only a few participate and are active in learning. Based on the results of the interview, the teacher stated that during online learning applied to all educational institutions, there were many changes, one of which was in student motivation, especially for high school students. High school students are individuals who enter adolescence, where adolescence is very vulnerable to experiencing. problem.. Furthermore, Anna Freud also argues that the changes that occur during adolescence include changes in psychosexual development and relationships with ideals and parents. Ideals can be realized, one of them through education⁷. This is the reason the author chose high school students as subjects in the study. In addition, it is also strengthened by the opinion of several high school teachers, that the learning motivation of high school students has indeed decreased during this pandemic situation

2. Research Methods

This study aims to analyze the problem factors that become obstacles when online learning occurs, in this case we use the Q-class application and the impact it has. The benefit of this research is to enrich scientific treasures and literacy in the field of education, especially during this pandemic. And also as an extension of advice to the academics and the education office who are still trying to improve the education system in Indonesia in particular.

Therefore, the author is interested in following up on these problems with the aim of knowing what factors influence student learning motivation during online learning in the midst of the Covid-19 pandemic situation.

2.1 Definition of Motivation

Motivation is the impetus of a person's desires and needs to be able to carry out certain activities. So motivation is defined as a force that drives action towards a goal to be achieved. So that it can increase the enthusiasm for learning. Low learning motivation can have a negative impact on students, low learning motivation can cause low success in learning so that it will reduce student achievement

2.2. Function of Learning Motivation

Motivation has an important function in learning, because motivation will determine the identity of the student's learning efforts. (Sardiman 1996:84). suggests that there are three functions of motivation, namely: a. Encouraging humans to act, motivation in this case is the driving force for every activity carried out. b. Selecting actions, namely determining what actions must be done in accordance with the formulation of goals. c. Guiding the direction of action, namely towards the

goals to be achieved, thus motivation can give direction and activities must be in accordance with the formulation of goals.

2.3 Factors Affecting Learning Motivation

According to (Sardiman 1996) the factors that influence children's learning motivation are as follows:

- 1) .Fateacher office.
Teachers play an important role in increasing learning motivation, teachers must be able to use the effectiveness of the methods used in certain learning.
- 2) Parents and families at home.
Not only teachers at school, parents or families also play an important role in encouraging, guiding, and directing children to learn. Therefore, parents and families must be able to guide, assist and direct children in overcoming learning difficulties .
When children can understand the concepts in the lesson, they will be motivated to learn.
- 3) Society and environment
Communities and the environment affect learning motivation during school children, society and the environment influence learning motivation is from playmates, a child who diligently participates in learning activities on a regular basis will influence and will encourage other children to do the same activities.

2.4 Understanding Online Learning

Online learning is a learning system that is carried out not face to face, but uses a platform that can help the teaching and learning process that is carried out even though it is far away. The purpose of online learning is to provide quality learning services in a massive and open network to reach more and wider interest in learning spaces (Sofyana & Abdul, 2019:82).

Online learning is carried out by utilizing technology, especially the internet. Online learning is carried out with a distance learning system, where Learning and Teaching Activities (KBM) are not carried out face-to-face. Learning is carried out using media, both print media (modules) and non-prints (audio/ video), computers/internet, radio and television broadcasts (Mona 2020)

3. Result and Discussion

3.1 Research Approach and Design

This study uses a qualitative approach, as an effort to provide answers to the problems that have been described, because it uses a descriptive analysis approach. In other words, this study seeks to describe, describe an ongoing situation based on facts and information obtained from the field and then analyzed based on one variable to another in an effort to provide solutions to the teacher's efforts in implementing online-based learning on Biology subjects in Indonesia. SMA Negeri 4 Tuban.

Qualitative research method is a method used to examine the condition of a natural object, (as opposed to an experiment) where the researcher is the key informant, the data collection technique is carried out by triangulation (combined) which is inductive, and the results of qualitative research emphasize the meaning of generalization. (Sugiyono,2015:1)

This research was conducted at SMA Negeri 4 Tuban. This study analyzes the motivational guiding factors that occur during online-based Biology lessons at SMA Negeri 4 Tuban. By using the Q-class application, the main subjects in this study are students of class XI IPA 2, totaling 37 students.

The motivations that we observe are related to:

- Presence
- Paying attention to Master
- Activity asking
- Enthusiastically Reply
- Have a curiosity about the material
- work on the problem individually
- Have a discussion

- Reading from other sources.
- Collect assignments on time
- Trying to get the best score

Destination :

Analyzing the motivational factors for learning Biology through the KelasQ application. The research subjects were 37 students of class XI IPA SMA N 4 Tuban.:

Student Learning Motivation Observation Sheet

Charging instructions

Fill in this observation sheet by marking (v) in the value column

In accordance with the conditions that take place during learning

Tabel 1. Analyzing the motivational factors for learning Biology

No	Observation Aspect	Score					information
		1	2	3	4	5	
1	Presence						
2	Pay attention to the teacher explaining						
3	Asking questions to the teacher about material that is not understood.						
4	Enthusiastic to answer questions asked by the teacher						
5	Have a curiosity about the material						
6	Prefer to work individually						
7	Discuss to complete the Task.						
8	Read/search from other sources						
9	Collect assignments on time						
10	Striving to get the best score						

Description:

Score 1 = Very less

Score 2 = Less.

Score 3 = Enough.

Score 4 = Good.

Score 5 = Very good

3.2 Percycle Research Data Analysis

Cycle I

At this stage the researcher took notes which consisted of a plan of motivational items that would be observed and implemented in class XI IPA 2 with a total of 37 during the first semester in July of the 2020/2021 school year. At the end of the students' teaching and learning process for one month with the aim of being in accordance with the items of student motivation in the teaching and learning process that has been carried out. The research data in the first cycle are as follows:

Table 2 The research data in cycle I

No	Description	Cycle I . Results
1	Average value of Motivation	17.02
2	Total students	37
3	Percentage of Motivational Analysis	46%

Cycle II

Held in August 2020/2021 TP in class XI IPA 2 with 37 students. And the results are as follows.

Table 3 The research data in cycle II

No	Description	Cycle I . Results
1	Average value of Motivation	33.3
2	Total students	37
3	Percentage of Motivational Analysis	90%

From the table above, it can be explained that by applying online learning with the Q-class application, the average value of the analysis of student learning motivation is 33.3 and these results indicate that in the second cycle classically students have increased their motivation up to achieve the desired level of motivation that is equal to 90%.

4. Conclusion

With online learning, students become less active in conveying their aspirations and thoughts, which can result in boring learning. And boring. A student who experiences boredom in learning will get lazy in learning. Therefore, it is necessary to drive students' motivation to be enthusiastic about learning so that they can have learning achievements. In today's very limited conditions, it takes parental understanding and teacher creativity in packaging online learning to attract students' attention and motivation in following the online learning stages. The selection of the right approach and model, as well as the support of various parties determine the success of online learning. Evaluation on online learning is important to do. This is because by evaluating online learning, it can be seen whether learning can run effectively or not. If it is not effective, it can make modifications to the learning system that according to student needs.

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