



# Correlation of Undiksha E-Learning Usage with Learning Interest in FOK Undiksha Students

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**Abstract.** This study aims to determine the correlation of Undiksha's use of E-learning with learning interest in FOK Undiksha students who take TP courses. Football Learning. This research is a correlation research. Data were collected through a questionnaire to 80 respondents. Furthermore, the data obtained were analyzed by quantitative descriptive and F test. The results showed that there was a positive correlation between the use of Undiksha E-learning and the learning interest of FOK Undiksha students who took TP courses. Learning Soccer for the even semester of 2021/2022 with a value of  $F = 23,814$  and a significance value less than 0.05 ( $0.011 < 0.05$ ). The discussion of the results of the descriptive analysis showed that of 80 FOK Undiksha students showed that the level of use of online learning with Undiksha's E-learning had the highest score with a percentage of 33.75% highly qualified, and 66.25% sufficient. As for the interest in learning, 50% of FOK Undiksha students have very high qualifications and 50% have high qualifications. This shows that the learning interest of FOK Undiksha students who take online learning with Undiksha E-learning is very high. Based on the research results obtained, it is recommended that other researchers conduct research related to the correlation of Undiksha's E-learning use on other dependent variables, such as for example student learning motivation.

**Keywords:** Undiksha E-learning · interest · FOK students

## 1 Introduction

Education is a factor that contributes to the progress of a nation by preparing sufficient provisions for human resources to become quality and useful human beings [1]. One way to improve the quality of education is to follow developments and advances in technology. With the rapid development of technology, of course, it must be able to be

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utilized for the development of human resources through educational institutions where it is hoped that the technology applied will be able to help revolutionize the way of learning that is centered on teachers to become student-centered, where this has been applied long ago in developed countries. As in the United States regarding 'internet use' by students as much as 79% of respondents agreed that internet use has a positive impact on their academic abilities. Almost half of the respondents believe that online communication allows them to express ideas to their lecturers that they would not be able to express in class [2].

Based on this, Undiksha as one of the universities in Indonesia has developed an E-learning named Undiksha E-learning. E-learning development is carried out by Undiksha because it has the flexibility of learning such as interactions between lecturers and students that are not only done face-to-face, but can also be done through electronic media. With smartphones and computers as learning tools and the internet as learning media, students can access information anytime and anywhere quickly. In addition, students can also relate to their friends in doing their college assignments.

This is in accordance with the opinion of [3] which states that the need for E-learning facilities at universities is very important, due to several considerations, including: E-learning is easy and fast to use to be able to help the learning process both in the classroom and in the classroom. Outside the classroom, through E-learning students will have the power or ability to be able to explore or search, deepen, and expand the course material they are learning through various learning resources. Online, with the existence of E-learning will form a culture of enthusiasm for learning, and through E-learning also encourages the emergence of expression in students to want to learn to actively explore their own knowledge and information.

Many factors influence the success of Undiksha's E-learning, one of which is the interest of students in participating in the learning implementation process. However, there are several challenges faced by Undiksha in using E-learning. To face challenges and problems in the application of Undiksha's E-learning assisted learning methods, one of the efforts that can be done is to foster interest in learning Undiksha students. Student interest will grow in learning if it is supported by facilities and infrastructure. The better Undiksha's E-learning infrastructure, the higher the interest of students to work together in solving a problem. Interest will grow from a person's perception of the environment, or the results of learning and interacting with the surrounding environment. If someone already has an interest in something, then he will be a potential in the person concerned to achieve success in the field of interest. Because interest will grow great energy to struggle to get what he is interested in [4].

According to [5] states that interest is a change in energy in a person (personal) which is characterized by the emergence of feelings and reactions to achieve goals. Students' interest in learning at the Faculty of Sports and Health Undiksha is still quite lacking, this can be seen from there are still students who are passive in learning, not enthusiastic and bored, because learning so far that has been happening is still face-to-face in class, has not been done online outside the classroom. Therefore, researchers apply learning using Undiksha's E-learning media so that students at the Undiksha Faculty of Sports and Health become interested in learning that can occur anywhere and anytime without

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Based on the background described above, the formulation of the problem in this study is whether there is a correlation between the use of Undiksha E-learning and the learning interest of FOK Undiksha students. From the formulation of the problem, the goal to be achieved in this study is to determine the correlation between the use of Undiksha E-learning with the learning interest of FOK Undiksha students.

## 2 Research Method

This research is a descriptive correlation study, with a quantitative approach. The population of this research is even semester students who take TP courses. Football Learning Faculty of Sports and Health Undiksha for the academic year 2021/2022, totaling 80 people. The sample in the study was taken by the total sampling method or taking the whole from a population of 80 students.

Data collection techniques or methods used in this study are: questionnaire or questionnaire method. The instrument used to collect research data was in the form of a questionnaire regarding the relationship between Undiksha's use of E-learning and student interest in FOK Undiksha. The independent variable of this research is the use of Undiksha E-learning while the dependent variable of this research is interest in learning. The data analysis technique used in this research is bivariate analysis to test the coefficient between the independent variable and the dependent variable, using the Pearson Product Moment correlation formula.

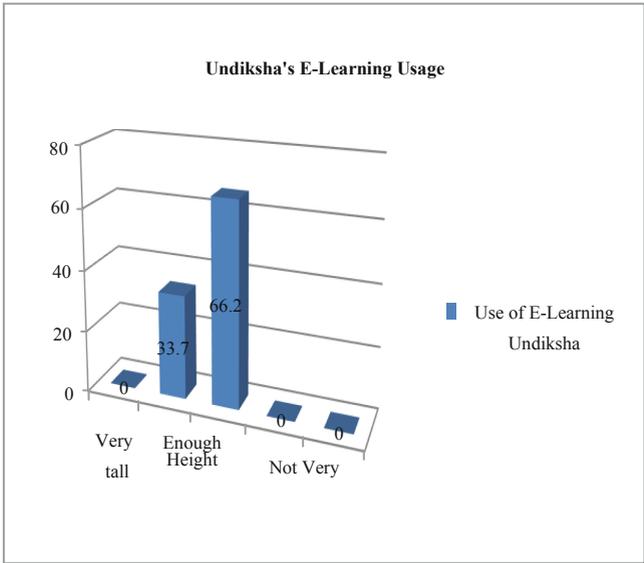
## 3 Results and Discussion

Based on the questionnaire distributed to FOK Undiksha students who took the TP course. Football Learning, then the descriptive statistical analysis can be presented as in Table 1.

Based on Table 1, it is found that the average value of using Undiksha's E-learning is 68.38 with a standard deviation of 3.957 while the average value of interest in learning is 80.25 and the standard deviation is 3.672. If the average value of Undiksha's use of

**Table 1.** Recapitulation of Undiksha E-learning Value Calculation Results and Interest in Learning

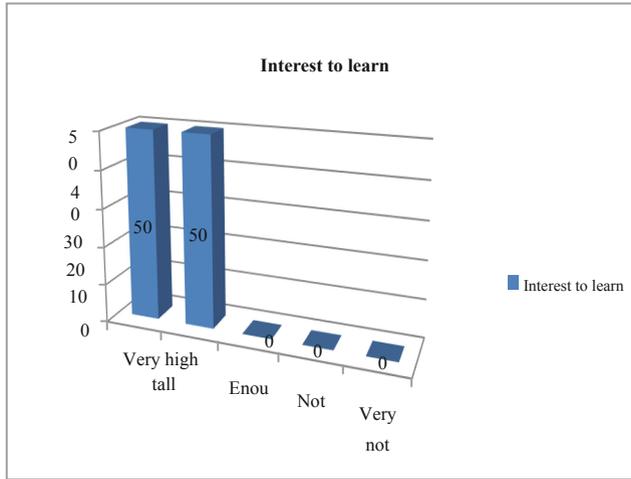
		<i>E-learning</i> Undiksha	Interest to learn
N	Valid	80	80
	Missing	0	0
Mean		68.38	80.25
Median		68.00	79.50
Std. Deviation		3.957	3,672
Variance		15,655	13,481
Range		17	16
Minimum		61	74
Maximum		78	90



**Fig. 1.** Number of Students Using E-learning Undiksha

E-learning and learning interest is converted to a scale of five, then each is qualified enough and very high.

Distribution of the frequency of acquisition of Undiksha’s use of E-learning in online learning for TP courses. Football learning at the Faculty of Sports and Health can be illustrated by a graph as shown in Fig. 1.



**Fig. 2.** Student learning interest

**Table 2.** CORRELATION VALUE

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	0.282a	0.079	0.068	3,545

Based on Fig. 1, it can be seen that the use of Undiksha's E-learning in learning is in the high category of 33.75%, just 66.25%. While the learning interest of FOK Undiksha students who took TP courses. Football learning can be described as in Fig. 2.

Based on Fig. 2, it can be seen that the learning interest of FOK Undiksha students in participating in online learning with Undiksha E-learning is 50% very highly qualified, and 50% high qualification.

From the results of data analysis using Undiksha's E-learning in learning with interest in learning FOK Undiksha students who take TP courses. Football Learning can be presented as follows.

Based on Table 2, the correlation value is 0, 282, and the coefficient of determination is 0.079. So it can be concluded that the effect of using Undiksha's E-learning on the learning interest of FOK Undiksha students who take soccer courses is 7.9%. To find out whether there is a correlation between the use of Undiksha's E-learning and the learning interest of FOK Undiksha students who take TP courses. Learning football, can be seen in Table 3.

Based on Table 3, it is known that the significance level of 5% for the F test is  $F = 23,814$  and the significance value is less than 0.05 ( $0.011 < 0.05$ ). Thus, a decision can be made for the hypothesis as follows. "There is no positive correlation between the use of Undiksha's E-learning and the learning interest of FOK Undiksha students who take TP courses. Football lessons for the 2021/2022 school year were rejected. In other words, there is a positive correlation between the use of Undiksha's E-learning and

**Table 3.** ANOVA

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	84,619	1	84,619	6,732	0.011b
	Residual	980,381	78	12,569		
	Total	1065,000	79			

**Table 4.** COEFFICIENTSA

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	98.135	6,904		14.213	0.000
	<i>E-learning</i> Undiksha	0.262	0.101	0.282	2,595	0.011

the learning interest of FOK Undiksha students who take TP courses. Football Learning year.

2021/2022 lessons are accepted”. Then to find out the regression equation, Table 4 is used.

From Table 4 it can be seen that the value of Constant (a) is 98.135. While the value of E-learning Undiksha (b/regression coefficient is 0.262, so the regression equation is as follows:  $Y = a + bX = 98.135 + 0.262X$ . Based on this equation, it can be concluded that the value of the learning interest constant is 98.135. While the regression coefficient X is 0.262 is positive, so it can be concluded that the direction of the influence of the use of E-learning Undiksha on interest in learning is positive.

#### 4 Discussion

Based on the results of the research from the results of descriptive analysis showed that of 80 FOK Undiksha students showed that the level of use of online learning with Undiksha’s E-learning had the highest score with a percentage of 33.75% highly qualified, and 66.25% sufficient. As for the interest in learning, 50% of FOK Undiksha students have very high qualifications and 50% have high qualifications. This shows that the learning interest of FOK Undiksha students who take part in online learning with Undiksha’s E-learning is very high.

The results of hypothesis testing related to the correlation between the use of Undiksha E-learning in online learning and the learning interest of FOK Undiksha students showed that there was a positive relationship between the use of Undiksha E-learning and the learning interest of FOK Undiksha students taking TP courses. Football lessons for the 2021/2022 school year. These results are evidenced by the value of  $F = 23,814$

and the significance value is less than 0.05 ( $0.011 < 0.05$ ), so the hypothesis is accepted. Besides, the value of the constant of interest.

Study amounted to 98.135. While the regression coefficient X of 0.262 is positive, so it can be concluded that the direction of the effect of using Undiksha's E-learning on interest in learning is positive.

The results obtained in this study are in accordance with the results of previous research, namely [6] which shows that there is an influence of using E-learning media on student interest in learning in E-learning courses in the P.TIK Study Program. [7] found that there is a relationship between the use of E-learning and student learning motivation, with a correlation coefficient of 0.625. This value means it has a high relationship. Furthermore, regression analysis was carried out to see the effect of the use of E-learning learning media on student learning motivation and the regression coefficient (x) was 0.737. This value means that for every 1% addition of the value of using E-learning media, the value of student motivation increases by 0.737. [8] shows that the use of E-learning can increase student interest in learning and can improve student learning outcomes in kinesiology courses. Furthermore, research conducted by [9] shows that online learning is quite good in increasing motivation. [10] showed that the use of E-learning can increase student motivation in learning. Then the research conducted by [11] which found that the use of information technology in the teaching and learning process or the learning process was able to foster student interest in learning. [12], also found that E-learning with Edmodo as its base played a role in increasing student interest in learning.

The results of data analysis show that the regression coefficient obtained is positive, meaning that the use of Undiksha E-learning has a positive and significant effect on learning interest. Thus, the use of Undiksha's E-learning in learning TP courses. Football learning can foster interest in learning for FOK Undiksha students. Until now, FOK Undiksha lecturers have implemented the Undiksha E-learning model well. If it is associated with student learning interest with an average value of 80.25.

It means that FOK Undiksha students gave a very agree response to the statements of the variable interest in learning. Thus it can be said that FOK Undiksha students have a very high interest in learning.

The use of Undiksha's E-learning becomes more fun and interesting because Undiksha's E-learning provides interactive facilities such as multimedia. With this multimedia facility, students can understand the material given by the lecturer faster. If lecture materials are delivered through multimedia, it will be easier for students to understand. In addition, by using E-learning assignments and teaching materials can be done interactively with the flexibility of time and place.

## 5 Conclusions and Suggestions

### *ConclusionS*

Based on the results of the research and discussion above, it can be concluded that there is a positive correlation between the use of Undiksha E-learning and the learning interest of FOK Undiksha students who take TP courses. Learning Football for the academic year 2021/2022 with a value of  $F = 23,814$  and a significance value less than 0.05 ( $0.011 < 0.05$ ).

### Suggestions

Based on the results obtained, it is recommended that other researchers conduct research related to the correlation of the use of Undiksha's E-learning on other dependent variables, such as student learning motivation.

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