Effective Use Of Learning Applications For English Subjects In Elementary School

Emi Nurniati[1], Dhaniel Prasetyo Irianto[2], Arman Syah Putra[3*], Daru Susanti[4], Zikriah[5], Nurhayati[6], Nurul Aisyah[7]

[1]Faculty of Physiotherapy, STIKES Ngudia Husada Madura, Indonesia
[2]Faculty of Clinical and Community Pharmacy, STIKES Ngudia Husada Madura, Indonesia
[3]Faculty of Computer, STMIK Insan Pembangunan, Indonesia
[4]Faculty of Development Economics, Muhammadiyah Business Institute Bekasi, Indonesia
[5]Faculty of Computer, Indraprasta PGRI University, Indonesia
[6]Faculty of Airport Management, College of Aviation Aviasi, Indonesia
[7]Faculty of Economic and Business, Bina Sarana Informatika University, Indonesia
[*]Corresponding author:
Email: armansp892@gmail.com

Abstract.
The background of this research is to know the effectiveness of the variables raised in this research. The variables raised in this research are online learning application variables and English subject variables and Elementary School variables. These variables influence each other and have a significant effect. The method used in this research is quantitative method, using a survey of 100 parents of students who use the application for learning English subjects. The problem raised in this research is how the use of applications can be more effective than learning directly or offline by using the application. It is hoped that it can help students who do not understand better understand because with this application they can repeat the lessons they have learned at school so that they can improve their learning. Student scores at the time of the exam. The purpose of this study is to find out the extent to which the effectiveness of an application that will be applied to a subject in elementary school with the application, it can be concluded that this research results in the application having a very significant effect on the teaching and learning system in elementary schools, especially English subjects.

Keyword : Learning, Applications, English Subjects, Elementary School.

I. INTRODUCTION

In terms of teaching and learning, the educational revolution has been widely carried out, for example by using internet media offline media such as making applications that are used to study students if they are not in school. Therefore, making applications based on education will greatly assist students in repeating lessons. That has been given at school so that they can understand the lessons given by the teacher so that they can have maximum grades [1].The problem raised in this research is how to find out the effectiveness of an application that is used in a subject so that it can be found effective from an application that can help students in learning, especially learning English subjects at home [2].The method used in this research is to use quantitative methods by conducting a survey to 100 parents of elementary school students by providing 10 questions that they will answer so that the relationship between one variable and other variables can be known so that it can produce answers and questions raised on formulation of the problem [3].The purpose of this study is to determine the effectiveness of a variable that can affect other variables so that it can be seen that the variables are interrelated. The variables raised in this study are learning with the application of English subject variables and elementary school variables [4]. It is known whether the variable is connected and has a significant effect will be answered through the answers that have been given by the parents [5].

The use of the Applications in pandemic learning and teaching application has begun to develop and is used continuously until now because by using the application, learning can be repeated or not, students can understand and can understand the subject matter given by teachers at school even though it is given offline or online with the application. Learning continues even though there are limitations in terms of meetings and from the quad now it has entered offline learning [6]. However, the use of the application can still be done because students can study at home with the application [7].One of the compulsory subjects in elementary school is one of courtship English lessons which is considered important because mastering English will make it easier to communicate if you want to go abroad and English is also an international language of instruction that is used anywhere to communicate. Communicate with foreigners or with countrymen with international media, so one of the languages that must be mastered is English [8].The education system in Indonesia is divided into three, namely elementary schools, middle schools and high schools. This is done because with these 3 parts, students will be given the stages of education perfectly so that they can get a decent level of education up to higher education level and get knowledge that is in accordance with the stages that have been passed by the student [9].

II.   METHODS

In this study using quantitative research methods, because conducting a survey of people who are considered to be able to provide answers, so that this research can run so that this research can produce data that is expected to answer, the research problems raised in the first part of this study with the quantitative method, the direction of the research objectives This is clear and will be able to produce the data you are looking for.The software used in this study is to use SPSS software version 21 by using SPSS software, the data obtained will be processed so that it can produce new data that can answer the research problems raised in the previous section.Survey conducted to 100 Parents was carried out so that they could find out the data they were looking for so that the data was valid and could produce new, accurate data Elementary School.
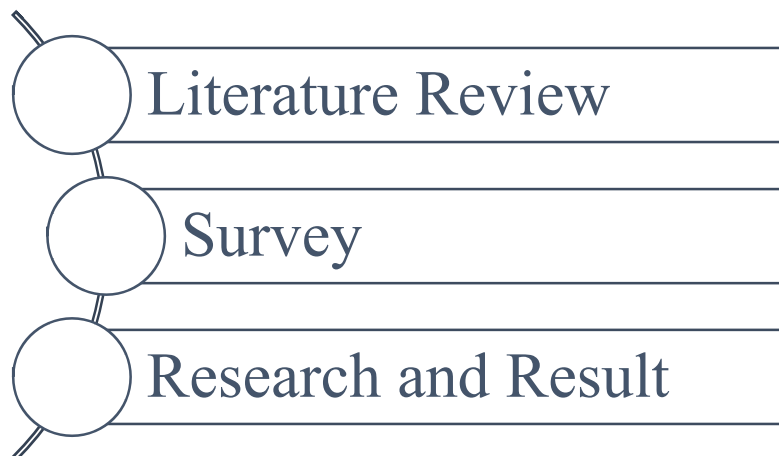
Literature Review

Survey

Research and Result

Fig 1. Research Method

III.   RESULTS AND DISCUSSION

Based on Figure 2 below, it can be explained as follows that there are 2 independent variables, namely Learning Applications and English Subject, then there is 1 dependent variable, namely Learning Applications is represented by X1, English Subjects is represented by X2 and Elementary School is represented by Y. There is one hypothesis. What is the relationship between Learning Applications and Elementary School and hypothesis 2 what is the relationship between English Subjects and Elementary School.
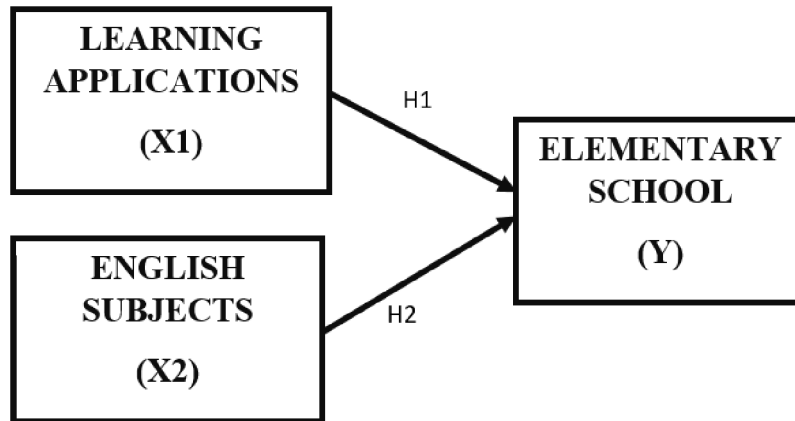
Fig 2. Hypothesis Model

Table 1. Questions Given to 100 Parents

No	Questions	Variable
1	Learning applications are important	X1
2	Learning applications that make learning easier	X1
3	Learning applications must be easy to use	X1
4	Learning English must be face-to-face	X2
5	Learning English must be with practice	X2
6	Learn English by yourself without having to use an application	X2
7	Elementary schools have compulsory subjects	Y
8	Elementary school learning English	Y
9	Elementary school is only for basic education	Y
10	Elementary school can be combined with courses	Y

1. Multiple Linear Regression Analysis

a. Regression Equations

Table 2. Recapitulation of the Results of Multiple Linear Regression Analysis

Variable	*Unstandardized Coefficients*
Learning Applications	2,256
English Subjects	0,467
Elementary School	0,276

Source: The Results of Data Processing

Based on table 2 above, the following explanation will be given, the Learning Applications variable has an Unstandardized Coefficients value of 2.256, the English Subjects variable has an Unstandardized Coefficients value of 0.467 and the Elementary School variable has an Unstandardized Coefficients value of 0.276 which means that it is very influential between one variable and another.

b.Koefisien Determinasi (R2)

Table 3. Correlation and Determination Coefficients

Dependent Variable	Independent Variable	R	R *Square*	*Adjusted R Square*
Y	X1 & X2	0,9 31	0,422	0,565

Source: The Results of Data Processing

Based on table 3 above, there are dependent variables, namely Y and independent variables, namely X1 and X2, variable X1 has an R value of 0.9 and variable X2 has an R value of 31, variables X1 and X2 have an R Square value of 0.422 and variables X1 and X2 has an Adjusted R Square value of 0.565, which means that the independent variable and the dependent variable have a very significant relationship.

c. Hypothesis Testing
c.1. Hipotesis I (F test / Serempak)

Table 4. F / Simultaneous Test

Dependent variable	Independent Variable	F Count	F Table 0,05	Sig.F	decision on H0
Y	X1 & X2	54,112	1,563	0,002	Rejected

Source: The Results of Data Processing

Based on table 4 above, there are dependent variables, namely Y and independent variables, namely X1 and X2, variables X1 and X2 have an F Count value of 54.112 and variables X1 and X2 have an F Table value of 1.563, variables X1 and X2 have a Sig.F value, namely 0.002, X1 and X2 variables have a Decision on H0 value, namely Rejected, which means that there is a relationship between variables.

c.2 Hipotesis II (t test / Parsial)

Table 5. t / partial test results

Variable	t	Sig.
X1	3,212	0,002
X2	5,989	0,002

Source: The Results of Data Processing

Based on table 5 above, there are independent variables, namely X1 and X2, variable X1 has a t value of 3.212 and variable X2 has a t value of 5.989, variable X1 has a sig value of 0.002 and variable X2 has a sig value of 0.002 which means that the variable X1 and X2 has a very significant value to the dependent variable Y.

2. Discussion of Research Results

a. Hypothesis 1 (H1) variable Learning Applications (X1) on Elementary School(Y)

Based on the results of data processing above, the results of hypothesis testing 1 (H1) of the Learning Applications variable (X1) on Elementary School (Y), the Learning Applications variable (X1) has a significant relationship to the Elementary School variable (Y).

b. Hypothesis 2 (H2) variable English Subjects (X2) on Elementary School(Y)

Based on the results of data processing above, the results of hypothesis testing 2 (H2) on the English Subjects variable (X2) on Elementary School (Y), the English Subjectsvariable (X2) have a significant relationship to the Elementary School variable (Y).

3. Descriptive Analysis

a. Variable Learning Applications (X1)

Based on the results of the research above and data processing, it can be concluded that the Learning Applications variable (X1) affects the Elementary School variable (Y) significantly, with the intention that learning applications are very influential because with these applications can help students in learning and improve student grades at the time of the exam.

b. Variable English Subjects (X2)

Based on the results of the research above and data processing, it can be concluded that the English Subjects (X2) variable affects the Elementary School variable (Y) significantly, with the mean is that English subjects are very influential on elementary schools because they are mandatory subjects in an elementary school so that they can improve students' knowledge, especially in elementary schools.

c. Variable Elementary School (Y)

Based on the results of the research above and data processing, it can be concluded that the Elementary School variable (Y) is significantly influenced by the Learning Applications(X1) and English Subjects(X2) variables, with the intention that elementary schools are influenced by several variables, namely the learning application variable and the English subject variable, both of these variables affect the elementary school variable so that elementary schools will be much better off if they use applications and have good English grades.

IV.   CONCLUSION

Based on the results of the data analysis above, it can be concluded that one variable with another variable is very significantly related, namely the learning application variable with elementary school then English subjects with elementary school variables, with the relationship between these variables, the use of applications in English subjects in elementary schools can increase the value and ability of students in learning so that the use of the effectiveness of learning applications in English subjects is very appropriate and can be improved in the future, further research is how to make applications and apply them to elementary schools so that they can help in doing learning and teaching activities.

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