

CHAPTER III

RESEARCH METHODOLOGY

This chapter discussed about operational research, method of the research, operational definitions, population and sample, technique for collecting data, and technique for analyzing data.

A. Operational Research

The title of this study is The Effectiveness Of Using English Talk Show Video On Youtube To Improve Listening Skill Of Eleventh Graders at SMK N 1 OKU, the following key terms were necessary defined operationally, such as:

1. English Talk Show Video

English talk shows are entertainment programs that feature people talking about various topics such as personal life, current popular issues, and the world of entertainment. This talk show is guided by a host who will be in charge of interviewing guest stars. Invited guests can be famous celebrities, scientists, political figures, and influencers. There are many English talk shows that can be watched on television channels and internet networks such as YouTube. The example are The Tonight Show Starring Jimmy Fallon, Jimmy Kimmel Live!, The Late Late Show with James Corden, Saturday Night Live, and many more.

2. YouTube

YouTube is a platform that contains videos with various types of content. On YouTube, we can create a channel and publish videos that many people can watch

later. The available videos can also be said to be diverse, ranging from videos discussing education, daily vlogs, music videos, fashion, or other entertainment. YouTube is an application that is widely used by people in various countries. During the pandemic, YouTube became one of the most used media applications. Most people spend their time at home watching videos on YouTube.

3. Listening Skill

In learning English there are four skills that need to be mastered, namely listening, reading, speaking, and writing. Listening is an activity in which we listen to a conversation after which we give responses about the conversation that was heard. Listening is a skill that requires a lot of practice, most of today's students have difficulty listening because of the lack of vocabulary they know and the lack of practice they get.

B. Method of Study

The research method used in this study is the experimental method. The experimental method is defined as a quantitative method. According to Sugiyono (2016) the quantitative method is a research method based on the philosophy of positivism, used to research certain populations or samples, collect data using research instruments of quantitative or statistical data analysis, with the aim of testing established hypotheses. Latief (2015) said that experimental research measures the influence of one variable that is manipulated and controlled (independent) on another variable (survival). According to Arikunto (2014) experimental study is a study which aimed to know there is or not the effect of the variable studied.

This study uses a pre- experimental design that describes the quantitative level associated with the variables. The design used in this study was a one group pretest and posttest design in which the experimental class and control class received a pretest and posttest design usually involves three steps:

1. Administering a pretest measuring the depend variable
2. Applying the experimental treatment x to the subjects
3. Administering a post test, again measuring the dependent variable.

Differences attributed to application of the experimental treatment are then evaluated by compering the pretest and posttest score:

Table 1
Design of The Research

Pre-test	Treatment	Post-test
Y1	X	Y2

Where:

Y1 : Pre-test

X : Treatment

Y2 : Post-test

C. Variable of The Research

According to Sugiyono (2012) research variables are variables that have certain variations that are applied by researchers to study and then conclusions are drawn. Arikunto (2015) states that variable are “research object or what is the focus of research”. Based on the explanation above it can conclude that the

research variable is something that is determined by the researcher to be examined and drawn conclusion.

In the research that must be carried out by the researcher consists of two variables, namely the independent variable (which affects) and the dependent variable (which is influenced). In this study the independent variable (X) is the use of English video talk shows on YouTube and the dependent variable (Y) is students listening skills.

D. Population and Sample

1. Population

Sugiyono (2017) said that the population is ‘a generalization area consisting of: objects/subjects that have certain qualities and characteristics that are applied by researchers to study and then draw conclusion’. The population in this study were all students of class XI at SMK N 1 OKU. The total number of class XI are 316. Can be seen in the table below:

Table 2
Research Population

No	Class	Number of Population
1.	XI AKL	34
2.	XI OTKP 1	36
3.	XI OTKP 2	35
4.	XI OTKP 3	35
5.	XI TKJ 1	35
6.	XI TKJ 2	36
7.	XI TKJ 3	35
8.	XI MM	36
9.	XI BDP	34
	TOTAL	316

Source : SMK N 1 OKU(2023)

2. Samples

According to Sugiyono (2011) sample is part of the number of characteristics possessed by the population. In other hand Fraenkel and Wallen (2012) states that sample is any part of a population of individuals on whom information is obtained. It may, for a variety of reason, be different from the sample originally selected. This study used a purposive design, according to the school the sample that can be used by researchers is clas XI TKJ 2 it is because the availability of students to be included in the experiment is only class XI TKJ 2, which currently has no obstacles like other classes that are participating in the school program, namely apperenticeship. Total of sample in this study are 36.

E. Technique For Collecting Data

In this study, researchers used tests to collect data. According to Brown (2018) a test is a method for measuring a person's ability, knowledge, or performance in a particular domain. The test is used to find out data on students' listening skills. The researcher will do a pre-test first, the researcher will give a listening test, then students can answer the test.

After that, the researcher will conduct treatment using an English video talk show Ellen Show. Treatment will be carried out for 6 meetings. show video then the researcher gave an example of a video talk show Ellen Show on youtube, the second meeting the researcher showed an English talk show Ellen Show to students and after watching the students were asked what vocabulary they could hear, the third meeting the researcher showed an English video talk show Ellen Show on youtube then the students were asked to fill in the question sheet to find

the missing vocabulary, then in the fourth meeting the researcher showed an English video talk show Ellen Show after the students listened to the English talk show video the researcher asked questions about what sentences students could hear through the conversation between the host and the guest star, on In the fifth meeting the researcher broadcast an English video talk show Ellen Show on YouTube after the students watched the video talk show the researcher gave multiple choice questions about the conversation in the video talk show Ellen Show, in the sixth meeting the researcher evaluated students' listening skills from the first meeting to the sixth meeting, the researcher showed an English talkshow video Ellen Show, then the students watched while listening to the English talkshow video Ellen Show. After that, students were asked to answer questions based on the English talk show video.

Finally, the researcher conducted a post test. To know how much students listening comprehension have improve the researchers uses another test. In post test there are 25 question, namely 15 multiple choice and 10 True or False question. For the specification test items it can be see on the table below:

Table 3
Specification Test Item

Aspects	Stages	Item Number	Total
Vocabulary	The students listen quietly, then students write some vocabulary that they heard	1,2,3,4,8,9,12,15	8

Comprehension	The students understands the entire story and can accurately answer 3 comprehension questions	5, 6, 7, 10, 11, 13, 14	7
Remembering	The students remember the sentences and vocabulary that they have listened before and students can answer the question by remembering.	16, 17, 18, 19, 20, 22, 23	7
Evaluation	The students evaluate their listening by answering the question	21, 24, 25	3
		Total	25

In this study, the researcher did not carry out validation and reability test for the instrument, it is because test intstrument that used by the researchers were taken from Jayhan, R. (2019). Using Top Down and Bottom Up Processing as a Strategy to Enhance Student’s Listening Ability at the First Grade of SMK Negeri 2 Parepare.

F. Technique for Analyzing Data

To analyze the data there are fourth steps, the steps are:

1. Calculation the mean of the students is answered by using formula:

$$Me = \frac{\sum fx}{N}$$

Where:

X = Mean Core

{fx = The raw of all score

N = The number of subjects

(Subans, et al, 2005)

2. Scoring the student's correct answer of test

$$X = \frac{B}{T} \times 100$$

Where:

X = The total of students score

B = total of students correct answer

T = Total of test item

(Sudjiono, 2016)

3. Classified the score of the students into the following criteria

Table 4

Classify the Score of the Students

Score	Classifications
80-100	Very Good
66-79	Good
56-65	Average
46-55	Poor
00-45	Fail

(Sudjiono 2016)

4. The researchers used Paired Sample T-test through the SPSS computer program version 26.0 to find out the significant between pre-test and post-test. There are two hypothesis as the conclusion of this analysis steps as follow:

- a. H_0 : there was no significance improvement after the treatment process
- b. H_a : there was significance improvement after the treatment process.