CHAPTER III
RESEARCH METHOD

A. Research Design

This research was used the quantitative method, and this research design was descriptive quantitative, it would be applied to answer the research questions. It aims to find out the students' ability in English by using youtube media and the students' responses at the first grade of MAN 1 Parepare.

B. Location and Duration of the Research

This research took at the first grade of MAN 1 Parepare and this research plans 1-month research including analysis data.

C. Population and Sample

1. Population

The population of this research was the first grade of MAN 1 Parepare in the academic year 2020.

Table 3.1 Population of the students of MAN 1 Parepare

No	Class	Number of Students		Total
		Male	Female	
1.	X IPS 1	10	12	22
2.	X IPS 2	9	11	20
3.	X IPA	13	8	21
Total Number				63

2. Sample

    The sample was a small proportion of the entire population. The researcher used purposive sampling. The researcher chose class X Social Sciences 2 with 20 students.

D. **Instrument of the Research**

    In collecting data, the researcher used test and questionnaires. The researcher gave a test to the students based on the material provided by the teacher using youtube media. Where the form of the question was multiple choices and there were 20 questions. And then the researcher gave the questionnaire to the students to know the students' responses after teaching and learning English by using youtube media at the first grade of MAN 1 Parepare.

E. **Technique of Data Analysis**

    In quantitative research, data analysis techniques directed to answer the problem formulation has been determined. Caused the data was quantitative, and then analyzes the data using available statistical methods.[1]

    After all of the data collected, the next step was the presentation of data based on the results obtained from the test and questionnaire results related to the title.

1. The classification of the students' score

Table 3.2 The classification of students' score

Classification	Score
Very good	81-100
Good	61-80

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[1]Sugiyono, *Metodologi Penelitian Kuantitatif Kualitatif dan R&D,* (Bandung: Alfabeta, 2008).

Fair	41-60
Poor	21-40
Very poor	0-20

2. Scoring the students' test

	Students' correct	
Score =	The total item	x 100

a. Finding out the mean score by using the following formula

$$X = \frac{\sum x}{n}$$

In which:

X = Mean score

∑ = Total Score

N = the total number of students[2]

b. Calculating the rate percentage of the students' score by using the following formula:

$$P = \frac{F}{n} \times 100\%$$

Where:

P = percentage

F = frequency

n = total number of samples.[3]

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[2]Suharsimi Arikunto, *Dasar-Dasar Evaluasi Pendidikan*, Edisi Revisi (Jakarta:Bumi Aksara,2009).

[3]Anas Sudijon, *Pengantar Statistik Pendidikan* (Jakarta: Raja Grafindo Persada, 2006).

Besides analyzing the result of the test, the writer also used questions are to find out students' responses toward learning English through youtube media. In analyzing the students' response, the writer use formula.

$$P \quad \frac{F}{N} X \, 100\%$$

P = the percentage

F = frequency of the percentage is being calculated

N = number of cases

The questionnaire of this research employed 20 questions which consist of 10 positive and 10 negative statements about learning English through youtube media. The formula of the Likert scale as follows:

Table 3.3 The Skala Likert below:

POSITIVE STATEMENT		NEGATIVE STATEMENT	
Category	Score	Category	Score
Strongly Agree (SA)	4	Strongly Agree (SA)	1
Agree (A)	3	Agree (A)	2
Disagree (D)	2	Disagree (D)	3
Strongly disagree (SD)	1	Strongly disagree (SD)	4[4]

The following is a rating score of the category:

Table 3.4 Classifying the students' response based on the criteria:

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[4]Subagyo, *Metode Penelitian Pendidikan* (Bandung:Penerbit Alfabeta,2010).

NO	Qualification	Interval
1	Strongly Agree (SA)	76% - 100%
2	Agree (A)	51% - 75%
3	Disagree (D)	26% - 50%
4	Strongly disagree (SD)	05% - 25%