CHAPTER IV

RESEARCH FINDINGS AND DISCUSSION

In this chapter, the researcher presents and discusses the statistical result on instruments that are used in conducting the research. This research is designed to know whether correlation between parents' motivation and students' learning achievement at the fifth grade of Sdn Gugul 1 Tlanakan.

As stated in previous chapter that the researcher uses product moment correlation in analyzing data of parents' motivation and students' learning achievement . In which the data is gotten from the documentation to examine the parents' motivation and students' learning achievement by using written test. The items will be presented are: presentation of data, hypothesis testing, and discussion.

A. Presentation of Data

The researcher has collected data which are needed for this research, the researcher presents the data as result of this research. In this case the data which gathered by the researcher during research process the fifth grade of SDN Gugul 1 Tlanakan will be explained. This data presentation will be started from the result of test as the method to collect data which related to variable Y (Students' learning achievement). it would be followed by result of documentation.

1. The Result of parents' motivation and students' learning achievement. The result of the test was obtained from the students' at the fifth grade of Sdn Gugul 1 Tlanakan on 28 april 2023.

TABLE 4.2

NO	Parents' motivation
1	60
2	85
3	80
4	85
5	60
6	70
7	95
8	60
9	70
10	65
11	80
12	85
13	85
14	65
15	80
16	70
17	80
18	75
19	60

20	90
21	55
22	80
23	60
24	85
25	70
26	70
27	85
28	45
29	52
30	70

2. Parents' motivation Test Results

The test is the main instrument in this research. This means that the data obtained from the test instrument will be analyzed using statistical methods. Before analyzing, the researcher presented the data, especially the student achievement test scores in learning English.

Students' learning achievement tests were used to collect data related to the variables of this research (class V students' achievement at Sdn Gugul 1 Tlanakan). The test is used to measure how much achievement the fifth grade students' of Sdn Gugul 1 Tlanakan have mastered. Researchers asked for lesson plans and handbooks for English subjects. By using a guidebook, researchers can more easily create tests. The form of the test is a written test that has been

provided by the researcher. The test consists of 15 question items divided into two points. The score for each item in point A is 10 points and point B is 5 points for the correct answer. Meanwhile, the score for each second item is 0 points for wrong answers. So, if students' answer perfectly, they will get 100 points. The researcher shows the student's answer score for each number by presenting it in table form.

TABLE 4.3

Table of test answer related to variable Y

(Students' Achievement)

NO	Students' Achievement (Test)
1	35
2	70
3	60
4	55
5	80
6	65
7	80
8	85
9	55
10	65
11	40
12	70
13	70

14	75
15	100
16	90
17	45
18	60
19	60
20	45
21	100
22	70
23	70
24	55
25	75
26	40
27	60
28	65
29	80
30	80
SUM	**2000**

Based on the table above, it is known that the students' are thirty. The first column is a number of students' and the second column is their score for students' learning achievement test. Their score is variance. The score is 35 and the highest score is 100. The students' who gets the best score is two students' and the students' who gets the lowest score is one students'.

2. The Result of Students' Raport

TABLE 4.4

Which before And after parents' motivation

NO	BEFORE	AFTER
1	79	89
2	67	75
3	77	85
4	70	85
5	69	79
6	86	90
7	80	94
8	78	88
9	77	80
10	74	85
11	84	87
12	66	78
13	70	78
14	80	98
15	78	89
16	77	89
17	70	87
18	72	85
19	70	82
20	68	81
21	67	80
22	79	83
23	67	84
24	77	88

25	78	90
26	79	89
27	80	98
28	73	86
29	88	97
30	76	89

The scores above were hoigher after being given parental motivation than those who had not been given motivation. From the results of the raport above, it can be conclude that there is correlation between paents' motivation and students' achievement at Sdn Gugul 1 tlanakan.

a. Validity of Students' learning achievement Test

Validity is the most important consideration in developing, measuring, and evaluating instrument used a test. To check the validity of the test, the first step that the researcher did is identifying the test that the researcher used. The researcher identify whether the test is appropriate to the students or not. The test is used in this research based on the material in hand book English subject given by the English teacher of SDN Gugul 1. Therefore, the researcher can make the test easily.

The next step is looking for the evidence of validity. The researcher used content validity gain the validity of the instrument. As stated by Donald Ary that the content validity likes to look at the material covered the wording of the question and the adequacy of the sample of items to measure the achievement in question. The

researcher makes the test suited for the material given in the previous semester. So, the test that the researcher gave to the students' is absolutely valid.

b. Reliability of Students' learning achievement Test

In checking the reliability of the instrument used at this research, the researcher uses alpha formula. If the result of coefficient reliability shows the positive significance, the instrument is reliable. As stated by Syofian Siregar that the criteria of the instrument called as reliable using this technique, when coefficient of reliability (r_{11}) > 0,60.2 The table below is the result of reliability of the test:

TABLE 4.5

Reliability Statistics

Cronbach's Alpha[a]	N of Items
.637	15

Source: Output SPSS 20

From the table above, it is known that Alpha Cronbach 0,637 or > 0,60. Therefore, the instrument is reliable.

3. The Result of Students' Score Test

Students' score test means the data of parents' motivation on students' learning achievement score. The table of their scores is as follow:

TABLE 4.6

NO	Parents' Motivation (questionnaire)	Students' Achievement (test)
1	60	35
2	85	70
3	80	60
4	85	55
5	60	80
6	70	65
7	95	80
8	60	85
9	70	55
10	65	65
11	80	40
12	85	70
13	85	70
14	65	75
15	80	100
16	70	90
17	80	45
18	75	60
19	60	60
20	90	45
21	55	100
22	80	70

23	60	70
24	85	55
25	70	75
26	70	40
27	85	60
28	45	65
29	52	80
30	70	80
SUM	**2172**	**2000**

In conclusion, it can be known that the sum of parents' motivation score is 2.172 and 2.000 for students' learning achievement test.

4. The Result of Documentation

As the researcher stated in the previous chapter that documentation is collecting data concerning variable from document, transcript, book, agenda, magazine and the others. They are as follow:

1. Names of students' at the fifth grade of SDN Gugul 1 Tlanakan.

2. Students' learning achievement sheet.

3. Students' score.

4. Raport Score

5. photo when doing the test.

B. Data Analysis

Before testing the hypothesis, researchers need to analyze the data using statistical forms because this research is correlational research. Researchers use the product moment correlation formula to analyze data that includes two instrument results. Namely parental motivation by students' (variable X) and student learning achievement (variable Y).

Researchers used the Spearman Brown formula to analyze the data. The table below is a result of Analyzing the data:

TABLE 4.7
Correlations

			Parents' motivation questionnaire	Students' achievement
Spearman's rho	Parents' motivation questionnaire	Correlation Coefficient	1.000	-.259
		Sig. (2-tailed)	.	.168
		N	30	30
	Students' achievement	Correlation Coefficient	-.259	1.000
		Sig. (2-tailed)	.168	.
		N	30	30

Based on the table above, we know that the value of correlation between variable X and Y is 0,259.

C. Hypothesis Testing

Hypothesis testing is the most important step in conducting a research. This step examine whether the hypotheses is accepted or rejected. So, this step can prove the theory or the current finding is suitable fact or not. There are two kinds of hypotheses; null hypothesis and alternative hypothesis.

1. Alternative hypothesis (Ha) of this research is "there is correlation between parents' motivation and students' learning achievement at the fifth grade of SDN Gugul 1 Tlanakan ".

2. Null hypothesis (Ho) of this research is "there is correlation between the parents' motivation and students' learning achievement at the fifth grade of SDN Gugul 1 Tlanakan ".

To know if the hypothesis is accepted, the value of xy must be compared with the value of r_t (r table). The value of r_t (r table) can be seen on appendix. Before researcher determines the value of r_t (r table), the researcher must calculate the number of df (degrees of freedom) by detracting sum of subjects with 2 (df=N-2). So, df = 30-2-28.

As seen in the analysis above, the value of rxy is 0,386. If we it into r_t (r table) with df 28 in significant level 5% (0,361. So, alternative hypothesis is accepted. It means that there is correlation between parents' motivation and students' learning achievement at the fifth grade of SDN Gugul 1 Tlanakan.

D. Discussion of Findings

This research aims to determine research problems. As stated by the researcher in the previous chapter, the researcher provided research that measured parents' motivation towards students' learning achievement in fifth grade at SDN Gugul 1 Tlanakan.

The most important information that should be presented in this discussion is answering the study problem. Based on the research results, it was found that there was no Correlation between parents' motivation and the learning achievement of fifth grade students' at SDN Gugul 1 Tlanakan.

The Discussion of findings can be proven by analysis and assessment of parental motivation as well as students' achievement tests. This means that the alternative hypothesis is accepted and the null hypothesis is rejected.

This conclusion is drawn from data analysis that the rxy value (0.386) is higher than rt (r table) at a significance of 5% (0.361). Thus, it shows that there is a correlation between parental motivation and students' learning achievement in class V at SDN Gugul 1 Tlanakan.

From the research findings, it can be assumed that good writers can compose effectively. Students' learning achievement is an important part of student grades. Teachers must help students' to improve their learning achievements, for example through motivating activities for their students'. Thus, it can be said that there

needs to be a correlation between parental motivation and students' learning achievement.