

CHAPTER IV

ANALYSIS AND DISCUSSION

The analysis of the data collected is presented and discussed in this chapter to show the students' ability in using gerund. The analysis is based on the data obtained from the result of the test done by the eleventh grade students of SMAK Sint Carolus Kupang.

4.1 ANALYSIS

In the following section the writer presents the analysis of the gathered data in table form in order to help the readers to understanding the analysis.

The following table is going to show the students' ability level on multiple choice test.

Table I. The students' ability on the multiple choice test.

Students	Total Test Items	Correct Answer	Percentage %	Grades	Ability Level
1	2	3	4	5	6
1	25	15	60	6.0	Average
2	25	13	52	5.2	Average
3	25	14	56	5.6	Average
4	25	10	40	4.0	Poor
5	25	11	44	4.4	Poor
6	25	9	36	3.6	Poor
7	25	14	56	5.6	Average
8	25	18	72	7.2	Good
9	25	16	64	6.4	Average

10	25	8	32	3.2	Very poor
11	25	10	40	4.0	Poor
12	25	16	64	6.4	Average
13	25	18	72	7.2	Fairly good
14	25	23	92	9.2	Excellent
15	25	22	88	8.8	Very good
16	25	12	48	4.8	Below average
17	25	10	40	4.0	Poor
18	25	24	96	9.6	Excellent
19	25	13	52	5.2	Below average
20	25	20	80	8.0	Good
21	25	7	28	2.8	Very poor
22	25	23	92	9.2	Very good
23	25	17	68	6.8	Fairly good
24	25	19	76	7.6	Good
25	25	22	88	8.8	Very good
26	25	20	80	8.0	Good
27	25	18	72	7.2	Fairly good
28	25	21	84	8.4	Very good
29	25	24	96	9.6	Excellent
30	25	15	60	6.0	Average
Total	750	482	1.92	193	-----
Average	25	16.06	64	6.43	Average

Notes:

1. Colum 1: students' number
2. Colum 2: total test items
3. Colum 3: total correct answers of each student
4. Colum 4: represents percentage of students' correct answers. It is derived from:

$$\frac{\text{Total number correct answer}}{\text{Total test items}} \times 100 \% = \dots$$

For example: no 1 is calculated as $\frac{15}{25} \times 100 \% = 60\%$

5. Colum 5: Students' grades.

It is taken from the number of percentage ranging from 0 to 10. Take for the example the grade of the student no.1 is calculated as

$$\frac{15}{25} \times 100 = 6.0$$

6. Colum 6: students' ability level
7. Colum total 1: the amount of total students' response (750). It is derived from total test items (25) by the number of students (30)
8. Colum total 2: total correct answer of all students in multiple choice (482)
9. Colum total 3: total percentage of all students' correct answer (192)
10. Colum total 4: represents the amount of grades of all students (193)
11. Colum average 1: average of the students' response. It derived from:

$$\frac{\text{Total students' response}}{\text{Total number of students}} \times 100$$

$$= \frac{750}{30} \times 100 = 30$$

12. Colum average 2: average of the students' correct answers. It is derived from:

$$\frac{\textit{Total correct answer}}{\textit{Total number of students}} \times 100$$

$$= \frac{482}{30} = 16.06$$

13. Colum average 3: average of the students' correct answers in percentage. It is derived from:

$$\frac{\textit{Total percentage of correct answer}}{\textit{Total number of students}} \times 100$$

$$= \frac{1.92}{30} \times 100 = 64$$

14. Colum average 4: average of the total grades of the students. It is derived from:

$$\frac{\textit{Total grades of the students}}{\textit{Total number of students}} \times 100$$

$$= \frac{193}{30} = 6.43$$

The following table is going to show us the students' ability on the translation test.

Table II. the students' ability on the translation test.

Students	Total Test Items	Correct Answer	Percentage %	Grades	Ability Level
1	2	3	4	5	6
1	15	7	46.66	4.6	Below average
2	15	6	40	4.0	Poor
3	15	6	40	4.0	Poor
4	15	5	33.33	3.3	Very poor
5	15	5	33.33	3.3	Very poor
6	15	4	26.66	2.6	Very poor
7	15	7	46.66	4.6	Below average
8	15	8	53.33	5.3	Below average
9	15	6	40	4.0	Poor
10	15	4	26.66	2.6	Very poor
11	15	5	33.33	3.3	Very poor
12	15	8	53.33	5.3	Below average
13	15	9	60	6.0	Average
14	15	10	66.66	6.6	Fairly good
15	15	10	66.66	6.6	Fairly good
16	15	6	40	4.0	Poor
17	15	5	33.33	3.3	Very poor
18	15	11	73.33	7.3	Fairly good
19	15	6	40	4.0	Poor
20	15	9	60	6.0	Average
21	15	4	26.66	2.6	Very poor
22	15	11	73.33	7.3	Fairly good
23	15	8	53.33	5.3	Below average
24	15	7	46.66	4.6	Below average
25	15	10	66.66	6.6	Fairly good
26	15	10	66.66	6.6	Fairly good
27	15	7	46.66	4.6	Below average
28	15	9	60	6.0	Average
29	15	12	80	8.0	Good

30	15	8	53.33	5.3	Below average
Total	450	223	1,487	148	-----
Average	15	7.43	49.56	4.93	Below average

Notes:

1. Colum 1: students' number
2. Colum 2: total test items
3. Colum 3: total correct answer of each students
4. Colum 4: represents percentage of students' correct answers. It is derived from:

$$\frac{\text{Total number correct answer}}{\text{Total test items}} \times 100 \% = \dots$$

$$\text{For example: no 1 is calculated as } \frac{7}{15} \times 100 \% = 46.66\%$$

5. Colum 5: Students' grades.

It is taken from the number of percentage ranging from 0 to 10. Take for the example the grade of the student no.1 is calculated as

$$\frac{7}{15} \times 100 = 4.6$$

6. Colum 6: students' ability level

7. Colum total 1: the amount of total students' response (450). It is derived from total test items (15) by the number of students (30)
8. Colum total 2: total correct answer of all students in translation test (223)
9. Colum total 3: total percentage of all students' correct answer (1.487)
10. Colum total 4: represents the amount of grades of all students (148)
11. Colum average 1: average of the students' response. It derived from:

$$\begin{aligned}
 & \frac{\textit{Total students' response}}{\textit{Total number of students}} \times 100 \\
 & = \frac{450}{30} \times 100 = 15
 \end{aligned}$$

12. Colum average 2: average of the students' correct answers. It is derived from:

$$\begin{aligned}
 & \frac{\textit{Total correct answer}}{\textit{Total number of students}} \times 100 \\
 & = \frac{223}{30} = 7.43
 \end{aligned}$$

13. Colum average 3: average of the students' correct answers in percentage. It is derived from:

$$\begin{aligned}
 & \frac{\textit{Total percentage of correct answer}}{\textit{Total number of students}} \times 100 \\
 & = \frac{1.487}{30} \times 100 = 49.56
 \end{aligned}$$

14. Colum average 4: average of the total grades of the students. It is derived from:

$$\frac{\text{Total grades of the students}}{\text{Total number of students}} \times 100$$

$$= \frac{148}{30} \times 100 = 4.93$$

4.2 DISCUSSION

In this part, the researcher provides the discussion to answer the two research questions based on the analysis of the students' answers sheets and the result of the findings are presenting on the following tables below:

Table III. The students' ability level for the whole test.

Students	Total test items	Correct Answer	Percentage	Grades	Ability Level
1	2	3	4	5	6
1	40	22	55	5.5	Average
2	40	19	47.5	4.7	Below average
3	40	20	50	5.0	Below average
4	40	15	37.5	3.7	Poor
5	40	16	40	4.0	Poor
6	40	13	32.5	3.2	Poor
7	40	21	52.5	5.2	Below average
8	40	26	65	6.5	Average
9	40	22	55	5.5	Below average
10	40	12	30	3.0	Very poor
11	40	15	37.5	3.7	Poor
12	40	24	60	6.0	Average
13	40	27	67.5	6.7	Fairly good
14	40	33	82.5	8.2	Good
15	40	32	80	8.0	Good
16	40	18	45	4.5	Poor
17	40	15	37.5	3.7	Poor

18	40	35	87.5	8.7	Very good
19	40	19	47.5	4.7	Below average
20	40	29	72.5	7.2	Fairly good
21	40	11	27.5	2.7	Very poor
22	40	34	85	8.5	Good
23	40	25	62.5	6.2	Average
24	40	26	65	6.5	Average
25	40	32	80	8.0	Good
26	40	30	75	7.5	Good
27	40	25	62.5	6.2	Average
28	40	30	75	7.5	Fairly good
29	40	36	90	9.0	Very good
30	40	23	57.5	5.7	Average
Total	1200	708	1767	181	-----
Average	40	2.36	5.89	6.0	Average

Notes:

1. Colum 1: students' number
2. Colum 2: total test items
3. Colum 3: total correct answer of each students
4. Colum 4: represents percentage of students' correct answers. It is derived from:

$$\frac{\text{Total number correct answer}}{\text{Total test items}} \times 100 \% = \dots$$

22

For example: no 1 is calculated as $\frac{22}{40} \times 100 \% = 55\%$

40

5. Colum 5: Students' grades.

It is taken from the number of percentage ranging from 0 to 10. Take for the example the grade of the student no.1 is calculated as

$$\frac{22}{40} \times 100 = 5.5$$

6. Colum 6: students' ability level
7. Colum total 1: the amount of total students' response (1.202). It is derived from total test items (40) by the number of students (30)
8. Colum total 2: total correct answer of all students in whole tests (708)
9. Colum total 3: total percentage of all students' correct answer (1767)
10. Colum total 4: represents the amount of grades of all students (181)
11. Colum average 1: average of the students' response. It derived from:

$$\frac{\textit{Total students' response}}{\textit{Total number of students}} \times 100$$

$$= \frac{1.202}{30} \times 100 = 40$$

12. Colum average 2: average of the students' correct answers. It is derived from:

$$\frac{\textit{Total correct answer}}{\textit{Total number of students}} \times 100$$

$$= \frac{708}{30} \times 100 = 2.36$$

13. Colum average 3: average of the students' correct answers in percentage. It is derived from:

$$\frac{\textit{Total percentage of correct answer}}{\textit{Total number of students}} \times 100$$

$$= \frac{1767}{30} \times 100 = 5.89$$

14. Colum average 4: average of the total grades of the students. It is derived from:

$$\frac{\textit{Total grades of the students}}{\textit{Total number of students}} \times 100$$

$$= \frac{181}{30} \times 100 = 6.0$$

The table shows that the total score of the correct answer were 708. The average of the total scores of correct answer were 23.6 or 58.9% of the total scores. So it was seen that the average ability level of the students regarding the gerund was 6.0%. it was derived from:

$$\frac{\textit{Total students' grades}}{\textit{Total test responses}} \times 100\%$$

$$\frac{181}{30} \times 100\% = 6.0 \%$$

Based on the grade system used in SMAK Sint Carolus Kupang this level of ability is classified as “Average”.

The following table is going to show us the student’s level of ability.

Table IV. The distribution of the student’s level ability.

Standard of Measurement	Number of Students	Percentage
<i>l</i>	2	3
9.6 – 10 :Excellent	0	0
8.6 – 9.5 : Very good	2	6.66
7.6 – 8.5 : Good	5	16.66
6.6 – 7.5 : Fairly good	3	10
5.6 – 6.5 : Average	7	23.33
4.6 – 5.5 : Below average	5	16.66
3.6 – 4.5 : Poor	6	20
2.6 – 3.5 : Very poor	2	6.66
1.6 – 2.5 : Bad	0	0
0.0 – 1.5 : Very bad	0	0

The table shows that there were no students who got highest grade 9.6 – 10 (excellent) or 100%. Only 2 students got 8.6 – 95 (very good) or 6.66%, 5 students got 7.6 – 85 (good) or 16.66 %, 3 students got 6.6 – 7.5 (fairly good) or 10%, 7 students got 5.6 – 6.5 (Average) or 23.33%, 5 students got 4.6 – 5.5 (below average) or 16.66%, 6 students got 3.6 – 4.5 (poor) or 20%, 2 students got 2.6 – 3.5 (very poor), and there were no students who got 1.6 – 2.5 (bad) and 0 – 1.5 (very bad).

Remarks:

- Column 1 represents the standard of measurement.

- Column 2 represents the number of the students.
- Column 3 represents percentage of the number of the students' derived from:

$$\frac{\textit{Total number of students}}{\textit{Total students}} \times 100\%$$

Example

$$\frac{2}{30} \times 100\% = 6.66\%$$