

Chapter Four

Research Result and Discussion

This chapter is the fourth part of the research. It focused on the result and discussion of the research. The data discussion presented the error occurrence from the most frequent error to the least frequent error.

Result

The data source of this research is test about Derivation. The researcher gave 50 multiple choice questions in each test item. This test contained ten kinds of Derivation, namely Verb to Noun Derivation, Verb to Adjective Derivation, Verb to Verb Derivation, Noun to Adjective Derivation, Noun to Verb Derivation, Noun to Noun Derivation, Adjective to Adverb Derivation, Adjective to Noun Derivation, Adjective to Adjective Derivation, and Adjective to Verb Derivation. The test items distribution table is attached on appendix 2.

By analyzing the participants' answer, the researcher obtained their score of the test. The researcher found 8 error items on participant 1, 32 error items on participant 2, and 30 error items on participant 3. In addition, 11 error items were found on participants 4, 11, 18 and 25. 27 error items were found on participants 5 and 29. 14 error items were committed by participants 6, 10, and 23. Participant 7 committed error on 5 test items. Participant 8 did error 12 times. 18 error items were committed by participant 9. Participant 12 committed 16 error items. 24 error items were found on participants 13 and 21 while 29 error items were found on participant 14. Participant 15 did 22 error items. Participants 16 and 24 did 17 error items. Participant 17 committed 7 error items. The researcher also found 9

error items on participant 19, 20 error items on participants 20, 13 error items on participant 22, 17 error items on participant 24, 8 error items on participant 26, 9 error items on participant 27, 1 error item on participant 28 and 28 error items on participant 30. The table of this explanation is written as follow.

Table 1				
<i>The Identification of Participants' Answer</i>				
No.	Participants	Total		Total
		Correct Answer	Error Answer	
1	Participant 1	42	8	50
2	Participant 2	18	32	50
3	Participant 3	20	30	50
4	Participant 4	39	11	50
5	Participant 5	23	27	50
6	Participant 6	36	14	50
7	Participant 7	45	5	50
8	Participant 8	38	12	50
9	Participant 9	32	18	50
10	Participant 10	36	14	50
11	Participant 11	39	11	50
12	Participant 12	34	16	50
13	Participant 13	26	24	50
14	Participant 14	21	29	50
15	Participant 15	28	22	50
16	Participant 16	33	17	50
17	Participant 17	43	7	50
18	Participant 18	39	11	50
19	Participant 19	41	9	50
20	Participant 20	30	20	50
21	Participant 21	26	24	50
22	Participant 22	37	13	50
23	Participant 23	36	14	50
24	Participant 24	33	17	50
25	Participant 25	39	11	50
26	Participant 26	42	8	50
27	Participant 27	41	9	50
28	Participant 28	49	1	50
29	Participant 29	23	27	50
30	Participant 30	22	28	50
Total		1011	489	1500

For the data analysis, the researcher applied the steps of error analysis by Ellis (1997) namely identifying error, describing error, explaining error, and evaluating error. After the researcher analyzed the participants' answer, the researcher then ordered the errors from the most frequent error to the least frequent error. These steps are attached on appendix 5. The following table is the result of error occurrence in participants' test on kinds of derivation.

No.	Kinds of Derivation	Frequency of Error	Percentage (%)
1.	Adjective to Noun Derivation	76	15.5%
2.	Adjective to Verb Derivation	67	13.7%
3.	Verb to Verb Derivation	63	12.9%
4.	Noun to Noun Derivation	59	12.1%
5.	Adjective to Adjective Derivation	53	10.8%
6.	Adjective to Adverb Derivation	50	10.2%
7.	Verb to Adjective Derivation	44	9%
8.	Noun to Verb Derivation	28	5.73%
9.	Verb to Noun Derivation	27	5.52%
10.	Noun to Adjective Derivation	22	4.5%
Total		489	100%

Based on the table above, it can be interpreted that the most frequent error occurred on Adjective to Noun Derivation with 76 frequencies (15.5%). While the researcher found the second most frequent error is Adjective to Verb Derivation with 67 frequencies of error (13.7%). The third place is Verb to Verb Derivation with 63 frequency of error (12.9%). The fourth place is Noun to Noun Derivation with 59 errors (12.1%). Adjective to Adjective Derivation is in the fifth place of the most frequent error with the total 53 errors (10.8%). There is Adjective to Adverb Derivation in the sixth place with 50 errors (10.2%). The seventh place of

the error occurrence order is Verb to Adjective Derivation with 44 errors (9%). The third lowest frequent of error is Noun to Verb Derivation with 28 times of error (5.73%). While the second least error is Verb to Noun Derivation with 27 times of error (5.52%). The least frequent error happened to Noun to Adjective Derivation with 22 times occurrence (4.5%). The total of error is 489 times out of 1500 test items.

Data Discussion

In this study, each participant was given the same number of 50 test items. As a result, the researcher collected 1500 test items from 30 participants. The researcher found 489 errors in participants' answer as attached on appendix 3. Based on the result, the researcher classified them into ten kinds of derivation and presented the result from the most frequent error to the least frequent error.

Adjective to noun derivation. Adjective to Noun Derivation is the most frequent error occurred among the participants. Based on the following table, participants committed error mostly on how to change Adjective to Noun with derivational suffix *-ory*. This happened 28 times or it equals to 5.7% and was followed by derivational suffix *-ity* 18 times or it is the same as 3.7%. The participants made error on derivational suffix *-ness* 12 times or it is equal to 2.5%, other derivational suffix *-ity* and *-y* 9 times and it is equal to 1.8%. The total of error frequency in Adjective to Noun Derivation is 76 times or it is the same as 15.5%.

Table 3				
<i>The Frequency of Error in Adjective to Noun Derivation</i>				
Category	Affixation	Test Number	Frequency of Error	Percentage (%)
Adjective to Noun Derivation	-ity	50	9	1.8%
	-y	10	9	1.8%
	-ory	42	28	5.7%
	-ness	32	12	2.5%
	-ity	49	18	3.7%
Total			76	15.5%

Adjective to verb derivation. Adjective to Verb Derivation placed the second most frequent error that participants committed. The researcher found nine errors or equal to 1.8% on derivational suffix *-en*, 3.1% or 15 times on Derivational suffix *-ize*, on other derivational suffix *-en* 13 times or 2.7%, on other derivational suffix *-ize* 2% or 10 times, and the last 4.1% or 20 times on the other derivational suffix *-en*. The accumulation of frequency of errors on Adjective to Verb Derivation is 13.7% or equal to 67 errors.

Table 4				
<i>The Frequency of Error in Adjective to Verb Derivation</i>				
Category	Affixation	Test Number	Frequency of Error	Percentage (%)
Adjective to Verb Derivation	-en	46	9	1.8%
	-ize	35	15	3.1%
	-en	3	13	2.7%
	-ize	39	10	2%
	-en	24	20	4.1%
Total			67	13.7%

Verb to Verb Derivation. This kind of derivation is also one of the most frequent error that participants made. The total frequency of errors is 63 errors or it equals to 12.9% and they are explained as follow. The most frequent error in Verb to Verb Derivation is in the prefix *pre-* 20 times or it is equal to 4.09%. While the least frequent error is on prefix *un-* 7 times or it is the same as 1.43%.

The other prefixes are *de-* with 18 errors or 3.68%, *dis-* with 12.3% or 6 errors, and prefix *mis-* with 12 errors or it equals to 2.45%. The table for this explanation is shown as follow.

Table 5				
<i>The Frequency of Error in Verb to Verb Derivation</i>				
Category	Affixation	Test Number	Frequency of Error	Percentage (%)
Verb to Verb Derivation	mis-	37	12	2.45%
	de-	18	18	3.68%
	dis-	16	6	12.3%
	un-	27	7	1.43%
	pre-	31	20	4.09%
Total			63	12.9%

Noun to Noun Derivation. The table below showed the frequency of errors in Noun to Noun Derivation. Based on the table, the most frequent errors happened to prefix *un-* with 21 times or it equals to 4.3%. While, derivational suffix *-ship* and prefix *dis-* are equal with 9 errors or 1.8%. The other derivational suffixes are *-ism* with 12 errors or it is equal to 2.5% and 1.6% of derivational suffix *-ity* or it is equal to 8 errors.

Table 6				
<i>The Frequency of Error in Noun to Noun Derivation</i>				
Category	Affixation	Test Number	Frequency of Error	Percentage (%)
Noun to Noun Derivation	un-	8	21	4.3%
	dis-	15	9	1.8%
	-ship	13	9	1.8%
	-ism	28	12	2.5%
	-ity	21	8	1.6%
Total			59	12.1%

Adjective to adjective derivation. The fifth most frequent errors is Adjective to Adjective Derivation. There are 14 errors or it is equal to 2.9% from prefix *in-*, 3.5% of error or it is the same as 17 errors from prefix *dis-*, 12 errors or

2.5% from prefix *im-*, 6 errors or 1.2% from prefix *il-*, and from prefix *un-* 4 times or 0.8%. Then, the total of error is 53 errors or equal to 10.8% as written on the table.

Table 7				
<i>The Frequency of Error in Adjective to Adjective Derivation</i>				
Category	Affixation	Test Number	Frequency of Error	Percentage (%)
Adjective to Adjective Derivation	im-	9	12	2.5%
	un-	38	4	0.8%
	dis-	44	17	3.5%
	in-	41	14	2.9%
	il-	11	6	1.2%
Total			53	10.8%

Adjective to adverb derivation. The sixth most frequent error happened to Adjective Adverb Derivation. Each number has almost the same frequencies. The total of error is 50 errors or it is equal to 10.2% only from one derivational suffix *-ly*. Each item has different error frequency as written on the table below.

Table 8				
<i>The Frequency of Error in Adjective to Adverb Derivation</i>				
Category	Affixation	Test Number	Frequency of Error	Percentage (%)
Adjective to Adverb Derivation	-ly	14	8	1.6%
	-ly	7	9	1.8%
	-ly	43	13	2.7%
	-ly	34	10	2%
	-ly	29	10	2%
Total			50	10.2%

Verb to adjective derivation. The following table is the table of error frequency on Verb to Adjective Derivation. There are 14 errors or it equals to 2.9% from derivational suffix *-able*, 0.4% or it equals to 2 errors from derivational suffix *-ive*, 17 errors or 3.5% happened to suffix *-y*, 3 errors or 0.6% occurred on other derivational suffix *-able*, and on other derivational suffix *-ive* 8

times or it equals to 1.6%. Then, the total of the errors are 44 errors or equal to 9%.

Table 9				
<i>The Frequency of Error in Verb to Adjective Derivation</i>				
Category	Affixation	Test Number	Frequency of Error	Percentage (%)
Verb to Adjective Derivation	-able	4	14	2.9%
	-ive	12	2	0.4%
	-y	17	17	3.5%
	-able	45	3	0.6%
	-ive	47	8	1.6%
Total			44	9%

Noun to verb derivation. The eight most frequent errors is Noun to Noun Derivation and the error frequency is written on the following table. There are nine errors on derivational suffix *-en* or it is equal to 1.8%, 7 errors or 1.4% happened to prefix *en-* and derivational suffix *-ify*, 2 errors or 0.4% occurred on derivational suffix *-ize*, and 3 errors from derivational suffix *-ate*. The accumulation of the error frequency on Noun to Verb Derivation is 28 errors or 5.7%. The data is showed on the following table.

Table 10				
<i>The Frequency of Error in Noun to Verb Derivation</i>				
Category	Affixation	Test Number	Frequency of Error	Percentage (%)
Noun to Verb Derivation	-ize	2	2	0.4%
	en-	26	7	1.4%
	-en	36	9	1.8%
	-ify	33	7	1.4%
	-ate	23	3	0.6%
Total			28	5.7%

Verb to noun derivation. The second least frequent error is from Verb to Noun Derivation. There are 14 errors from derivational suffix *-al*, 6 errors from derivational suffix *-ion*, and 5 errors from derivational suffix *-ment*. There is

equal number from derivational suffix *-er* and *-ance* with 1 error or it is equal to 0.2%. The two suffixes are the least frequent of error. The total error is 27 errors or it is the same as 5.52%.

Table 11				
<i>The Frequency of Error in Verb to Noun Derivation</i>				
Category	Affixation	Test Number	Frequency of Error	Percentage (%)
Verb to Noun Derivation	-ion	25	6	1.2%
	-al	48	14	2.9%
	-er	40	1	0.2%
	-ment	30	5	1%
	-ance	1	1	0.2%
Total			27	5.52%

Noun to adjective derivation. This part is the least frequent error with the 22 errors or it is equal to 4.5%. There are 8 errors or 1.6% happened to derivational suffix *-ful*, 1.4% or 7 errors occurred on derivational suffix *-al*, 3 errors or 0.6% happened to derivational suffix *-ous*, There are equal number from derivational suffix *-ive* and *-able* with 2 errors or it is equal to 0.4%. These numbers are also the least frequent error of each test. The following table is the table of this explanation.

Table 12				
<i>The Frequency of Error in Noun to Adjective Derivation</i>				
Category	Affixation	Test Number	Frequency of Error	Percentage (%)
Noun to Adjective Derivation	-ive	6	2	0.4%
	-ous	19	3	0.6%
	-able	5	2	0.4%
	-ful	20	8	1.6%
	-al	22	7	1.4%
Total			22	4.5%

In conclusion, the participants committed errors in using derivation in all ten kinds of derivations. In addition, the result showed that the most frequent error

committed by the students is Adjective to Noun Derivation and the least frequent error happened to Noun to Adjective Derivation. Based on the result above, the participants committed errors in all kinds of Derivation with the total 32.6% of whole items of the test. The participants made error consistently in the certain affixation such as *-ory*, *-en*, *pre-*, and *un-*. However, they can also successfully use some certain affixation on derivational suffix *-er* and *-ance*.