

CHAPTER IV

FINDINGS AND DISCUSSIONS

This chapter presents the analysis, finding and discussion. The study shows the profile of vocabulary level of senior ED students at UNJ. After conducting the study by distributing the vocabulary level test, the next step is describing and showing the data use SPSS 22 to describe mean, median, mode, maximum and minimum scores, and to compare (Independent T-Test) English Language Education Study Program (ELESP) will discuss as group 1 and English Language Literature Study Program (ELLSP) will discuss as group 2.

4.1. Findings

4.1.1. Data Description

The data was gathered using vocabulary level test (Schmitt 2001, Version 2). In the test, the data consist of 90 questions, divided into three big umbrellas of 2,000 word-level, 3,000 word-level and 5,000 word-level. The Schmitt VLT version 2 has 10 clusters and each cluster has six words and three definitions. The ratio is 3 (verb) : 2 (noun) : 1 (adjective) in each word level there are 15 nouns, 10 verbs, and 5 adjectives. The test is divided into 150 items, so there are 75 nouns, 50 verbs, and 25 adjectives included in the whole test.

There are 70 students of 2011 and 2010, which are divided into two groups. The first group is 15 ELESPP students and the second group is 15 ELLSP students. The researcher use random sampling to choose 70 students from ELESPP and ELLSP.

First, they got the 2,000 word-level, the test was doing for 15 minutes. After that, the 3,000 word-level gave to them with the duration of 15 minutes. Finally, the 5,000 word-level gave to them with the duration of 15 minutes.

4.1.2. Data Collection

4.1.2.1. Data Output “vocabulary Level Test”

The test is divided on three levels (2,000-word level, 3,000-words level, and 5,000-words-level), the 1,000-words, and 4,000 words were accounted for statistically. For the 1,000-words level, students were assumed to have the same score as for the 2,000 level. For the 4,000 level, the average score for the 3,000 and 5,000 words was taken. Then, the total score was added and multiplied by 5,000 (as students were tested up to a size of 5,000 word families).

For example, if a student scored 20 out of 30 at the 2,000-word level, 15 out of 30 at the 3,000-word level, and 5 out of 30 at the 5,000-word level; it is estimated that a student has 20 out of the 30 at the 1,000-words level and 10 out of 30 at the 4,000-words level. The total score adds up to 70.

Table 4.1 Overview of the Data

No	1000 Words	2000 Words	3000 Words	4000 Words	5000 Words	Word Families	CEFR Levels
1	30	30	28	27,5	27	4750,00	C2
2	28	28	28	24,5	21	4316,67	C1
3	24	24	20	16	12	3200,00	B1
4	29	29	22	18	14	3733,33	B2
5	27	27	19	18,5	18	3650,00	B2
6	30	30	26	20,5	15	4050,00	C1
7	30	30	27	21,5	16	4150,00	C1
8	29	29	30	28,5	27	4783,33	C2
9	30	30	25	23	21	4300,00	C1
10	27	27	20	15,5	11	3350,00	B2
11	26	26	24	19,5	15	3683,33	B2
12	20	20	16	11	6	2433,33	A2
13	29	29	24	21,5	19	4083,33	C1
14	30	30	24	17,5	11	3750,00	B2
15	29	29	27	24	21	4333,33	C1
16	28	28	24	15,5	7	3416,67	B2
17	28	28	29	26	23	4466,67	C1
18	28	28	24	19,5	15	3816,67	C1
19	30	30	28	24,5	21	4450,00	C1
20	28	28	24	20	16	3866,67	C1
21	30	30	28	26,5	25	4650,00	C2
22	19	19	18	13,5	9	2616,67	B1
23	30	30	27	27	27	4700,00	C2
24	27	27	22	18,5	15	3650,00	B2
25	30	30	25	16,5	8	3650,00	B2
26	21	21	16	12,5	9	2650,00	B1
27	26	26	26	21	16	3833,33	C1
28	27	27	24	18	12	3600,00	B2
29	26	26	14	11	8	2833,33	B1
30	26	26	22	18	14	3533,33	B2
31	20	20	19	12,5	6	2583,33	B1
32	27	27	15	10	5	2800,00	B1
33	29	29	28	23,5	19	4283,33	C1
34	26	26	22	23	24	4033,33	C1
35	26	26	21	18,5	16	3583,33	B2
36	27	27	22	17,5	13	3550,00	B2
37	26	26	23	19,5	16	3683,33	B2

38	19	19	24	19,5	15	3216,67	B1
39	24	24	18	12	6	2800,00	B1
40	25	25	19	14	9	3066,67	B1
41	29	29	27	24	21	4333,33	C1
42	28	28	28	27	26	4566,67	C2
43	24	24	25	23,5	22	3950,00	C1
44	26	26	25	23	21	4033,33	C1
45	27	27	29	26,5	24	4450,00	C1
46	26	26	24	16,5	9	3383,33	B2
47	27	27	27	21	15	3900,00	C1
48	20	20	20	15	10	2833,33	B1
49	29	29	26	25	24	4433,33	C1
50	23	23	21	14,5	8	2983,33	B1
51	28	28	29	23	17	4166,67	C1
52	26	26	27	27,5	28	4483,33	C1
53	23	23	23	20,5	18	3583,33	B2
54	28	28	28	26	24	4466,67	C1
55	25	25	28	26,5	25	4316,67	C1
56	26	26	20	18,5	17	3583,33	B2
57	29	29	28	27	26	4633,33	C2
58	27	27	25	26	27	4400,00	C1
59	21	21	15	11,5	8	2550,00	B1
60	21	21	19	12,5	6	2650,00	B1
61	30	30	30	29,5	29	4950,00	C2
62	28	28	22	17,5	13	3616,67	B2
63	28	28	26	25,5	25	4416,67	C1
64	28	28	24	23,5	23	4216,67	C1
65	28	28	28	26,5	25	4516,67	C2
66	29	29	30	29,5	29	4883,33	C2
67	28	28	26	21,5	17	4016,67	C1
68	26	26	24	16	8	3333,33	B2
69	22	22	19	12	5	2666,67	B1
70	9	9	9	5	1	1100,00	A1

This table 4.1 is shown as the overview. The data is calculated with SPSS

22. There are two groups as the data. The first group consists of ELESP students and the second group is ELESP students. Further discussion will be showed for

each level; data frequencies which consist mean, median, mode, minimum score and maximum score from 1,000 to 5,000 word-level.

Table 4.2 Statistics Distribution of All Sample Students

		1,000 word-level ALL	2,000 word-level ALL	3,000 word-level ALL	4,000 word-level ALL	5,000 word-level ALL
N	Valid	70	70	70	70	70
	Missing	0	0	0	0	0
Mean		26,3000	26,3000	23,6286	20,1643	16,7000
Median		27,0000	27,0000	24,0000	20,2500	16,0000
Mode		28,00	28,00	24,00	18,50 ^a	15,00 ^a
Std. Deviation		3,57264	3,57264	4,39424	5,38296	7,05948
Minimum		10,00	10,00	9,00	10,00	5,00
Maximum		30,00	30,00	30,00	29,50	29,00

a. Multiple modes exist. The smallest value is shown

From the table 4.2 , it can be seen that the mean of 1,000 word-level from all test takers is 26,3; 2,000 word-level from all test takers is 26,3; 3,000 word-level from all test takers is 23,6; 4,000 word-level from all test takers is 20,1; the last 5,000 word-level from all test takers is 16,7. Next is the median , the 1,000 word-level from all test takers is 27; 2,000 word-level from all test takers is 27; 3,000 word-level from all test takers is 24; 4,000 word-level from all test takers is 20; the last 5,000 word-level from all test takers is 16. The last is mode. There are 28 on level 1,000 and 2,000 word-level. On level 3,000 words level, the mode is 24. Next the 4,000 word-level mode is 18. The last mode of 5,000 word-level is 15. The 1,000, 2,000 and 4,000 word level's minimum score of all test takers is 10. The 3,000's minimum score of all test takers is 9. The last minimum score of 5,000 word-level from all students is 5. The three word-level have same

maximum score that is 30. The maximum score of 4,000 word-level is 29.50 and the last 5,000 word-level maximum score is 29.

Table 4.3 Statistics Distribution of ELESP Students

		1,000 word-level ELESP	2,000 word-level ELESP	3,000 word-level ELESP	4,000 word-level ELESP	5,000 word-level ELESP
N	Valid	40	40	40	40	40
	Missing	0	0	0	0	0
Mean		26,7750	26,7750	23,0500	19,4250	15,2000
Median		27,0000	27,0000	24,0000	19,5000	15,0000
Mode		30,00	30,00	24,00	18,00 ^a	15,00 ^a
Std. Deviation		3,18238	3,18238	4,11346	4,94009	6,27245
Minimum		19,00	19,00	14,00	10,00	5,00
Maximum		30,00	30,00	30,00	29,00	27,00

a. Multiple modes exist. The smallest value is shown

From the table 4.3 , it can be seen that the mean of 1,000 word-level from group 1 test takers is 26.78; 2,000 word-level from all test takers is 26.78; 3,000 word-level from all test takers is 23.05; 4,000 word-level from all test takers is 19.43; the last 5,000 word-level from all test takers is 15.20. Next is the median , the 1,000 word-level from all test takers is 27; 2,000 word-level from all test takers is 27; 3,000 word-level from all test takers is 24; 4,000 word-level from all test takers is 19.50; the last 5,000 word-level from all test takers is 15. The last is mode. There are 30 on level 1,000 and 2,000 word-level. On level 3,000 words level, the mode is 24. Next the 4,000 word-level mode is 18. The last mode of 5,000 word-level is 15. The 1,000 and 2,000 word level's minimum score of all test takers is 19. The 3,000's minimum score of all test takers is 14. For 4,000 word level, the minimum score is 10. The last minimum score of 5,000 word-level from all students is 5. There are three word-level have same maximum score that

is 30. The maximum score of 4,000 word-level is 29.00 and the last 5,000 word-level maximum score is 27.

Table 4.4 Statistics Distribution of ELLSP Students

		1,000 word-level ELLSP	2,000 word-level ELLSP	3,000 word-level ELLSP	4,000 word-level ELLSP	5,000 word-level ELLSP
N	Valid	30	30	30	30	30
	Missing	0	0	0	0	0
Mean		25,6667	25,6667	24,4000	21,8333	18,7000
Median		27,0000	27,0000	25,5000	23,5000	21,0000
Mode		28,00	28,00	28,00	27,00	8,00 ^a
Std. Deviation		4,00287	4,00287	4,70216	5,78395	7,64357
Minimum		10,00	10,00	9,00	10,00	5,00
Maximum		30,00	30,00	30,00	29,50	29,00

a. Multiple modes exist. The smallest value is shown

From the table 4.4 , it can be seen that the mean of 1,000 word-level from all test takers is 25.6; 2,000 word-level from all test takers is 26.6; 3,000 word-level from all test takers is 24.4; 4,000 word-level from all test takers is 21.8; the last 5,000 word-level from all test takers is 18.7. Next is the median , the 1,000 word-level from all test takers is 27; 2,000 word-level from all test takers is 27; 3,000 word-level from all test takers is 25.5; 4,000 word-level from all test takers is 23.5; the last 5,000 word-level from all test takers is 21. The last is mode. There are 28 on level 1,000, 2,000 and 3,000 word-level. Next the 4,000 word-level mode is 27. The last mode of 5,000 word-level is 8. The 1,000, 2,000 and 4,000 word level's minimum score of all test takers is 10. The 3,000's minimum score of all test takers is 9. The last minimum score of 5,000 word-level from all students is 5. There are three word-level have same maximum score that is 30.

The maximum score of 4,000 word-level is 29.50 and the last 5,000 word-level maximum score is 29.

TABLE 4.5 CEFR Levels of All Sample Students

CEFR Levels	Word Families	Total Test Taker
A1	<1500	1
A2	1500-2500	1
B1	2750-3250	14
B2	3250-3750	18
C1	3750-4500	27
C2	4500-5000	9
Total	5000	70

From table 4.5, it can be seen that there are 9 students on level C2 in the range of 4,500 - 5,000 word families; 27 students in the range 3,750 – 4,500 word families; 18 students in the range 3,250 – 3,750 word families; 14 students in the range 2,750 – 3,250 word families; while 1 student is in the range <1,500 and 1 student is in the range 1,500 – 2,500 word families.

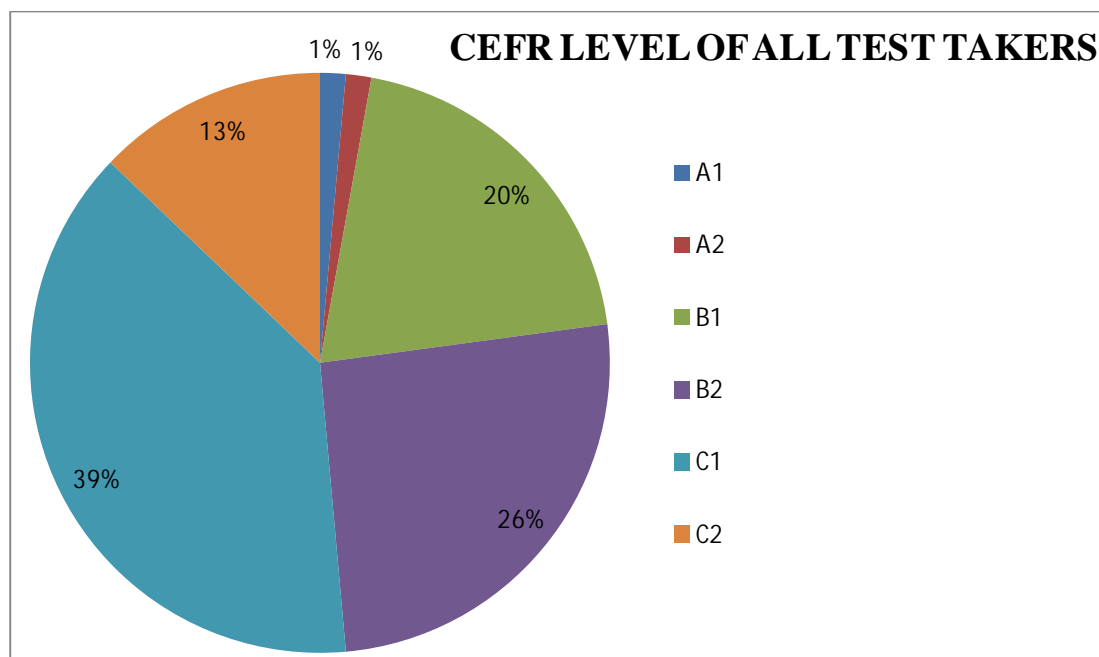


Figure 4.1 CEFR Level of all test takers.

Based on figure 4.1, there is 1% test takers on A1 level and A2 level; 13% test takers on C2 level; 20% test takers on B1 level; 26% on B2; and the biggest percentage is 39 on level C1.

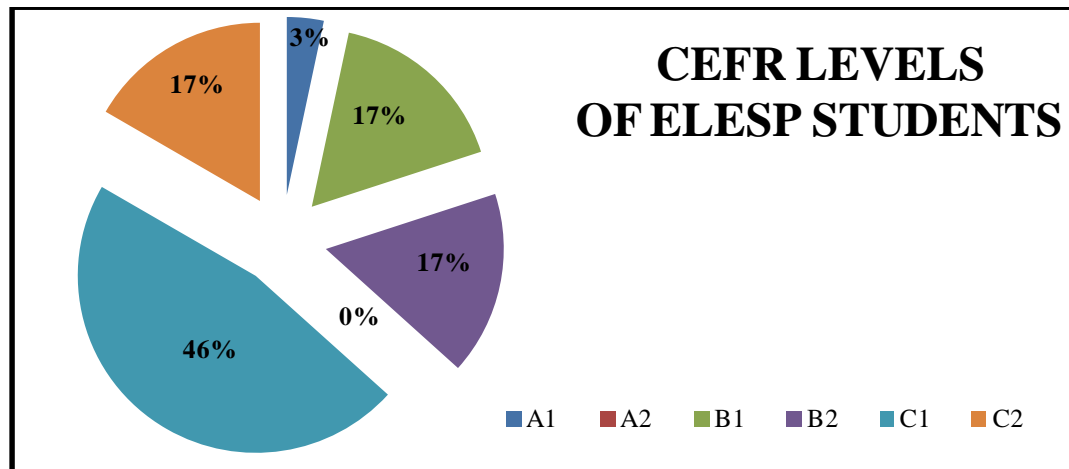


Figure 4.2 CEFR Level of senior students of ELESP

Based on figure 4.2, there are three levels have 17% which are on level B1, B2 and C2. The C1 level has 46%, in contrast to, 3% on A1 level.

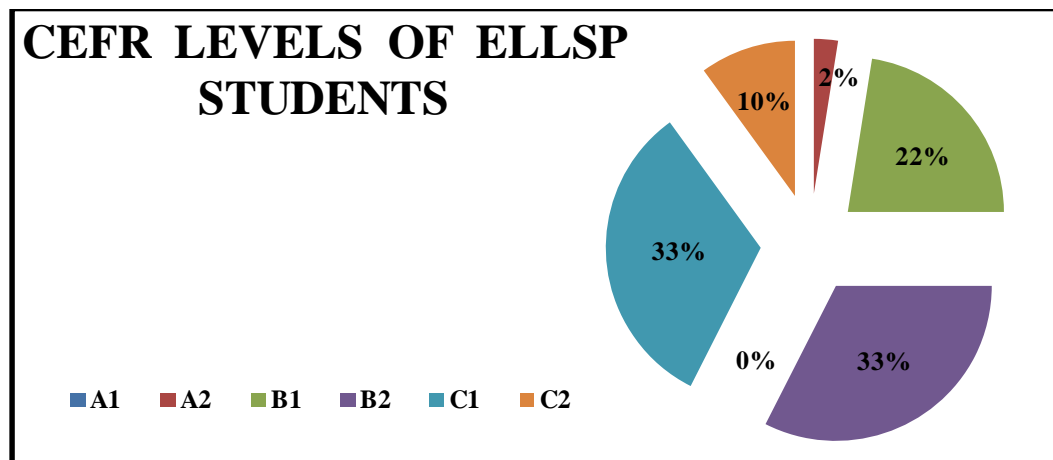


Figure 4.3 CEFR Level of senior students of ELLSP

Based on figure 4.3, there are two levels has 33% which are on level B2 and C1. B1 is smaller than C2 with 22% compare to 10%. The smallest is A2 with 2%. There is no A1 from ELLSP students

4.2. Discussions

The answer for the main research question is on table 4.2. The varieties CEFR levels of the group 1 are from A2 to C2. There are one student who is on A2, nine students on level B1, thirteen students on B2, thirteen students on C1 and four students on level C2. It looks like the first group can only control 1,500 – 5,000 word families. Comparing the second group has various levels from A1 to C2 level. There is one student on A1 level. Increasing on level B1 and B2, there are five students. The fourteen students are on C1 level. The last, five students are on C2. Based on the data, the students are on C1 which the mean score is 3763 word families.

The first sub research question for the first 2,000 word-level answer is students are able to answer the test and most of them pass this level with good scores. There are only one student from first group that got 100% (all answers are correct). It is different for second group that has nine students got 100% (all answers). The lowest scores from the group 2 is ten students (30%) compared the group 1 is nineteen students (63%). The mean on this level is 26,3 or 86,7%.

The second sub research question for the first 3,000 word-level answer is students are able to do the test with good scores. There are two students from group 2 that got 100% (all answers are correct) and there is only one student from group 1. The lowest score from the group 2 is 46% (9 correct answers) and the group 1 is 47% (14 correct answers). The mean of 3,000 group is 23,6 or 78,6%.

The last sub research question for the first 5,000 word-level, there is no one can answer all test correctly. The highest score from group 2 is 97% (29 correct answers), there are two students, that compared to group 1 is 90% (27 correct answers). The lowest scores from the group 2 is 16% (5 correct answers) compared with the group 1 is 63% (19 correct answers). The mean of 5,000 word-level is 16,7 or 55,6%.