CHAPTER IV

RESEARCH FINDING AND DISCUSSION

This chapter will present and explain findings from the result of statistical analysis of both variables (the scores of FLDI's selection test and first semester final examination).

A. Findings

The selection test and first semester final examination have several sections, reading comprehension, grammar section, translation, and writing comprehension. Knowing those sections, the data, which is scores of those tests, should be scores of those sections, but in this study the researcher used cumulative or average scores to be analyzed.

It has been clear that data used in this study is the scores of FLDI's selection test and first semester final examination. In this part, the researcher will describe the data and the finding after analysis process.

1. The Scores of FLDI's Selection Test (2015)

This sub-chapter presents data in form of the scores of selection test conducted on August 2015. The data given is the average or cumulative scores of all section in the selection test.

The Score List of Selection Test Foreign Language Development (FLDI) Islamic Boarding School of Nurul Jadid, Paiton, Probolinggo Academic Year 2015/2016

PUTRA

No	Inisial	Sekolah Formal	Kelas	Nilai
1	AM	SMA NJ	Χ	71.6
2	MFR	MA NJ	Χ	40.6
3	IMS	SMK NJ	Χ	49.4
4	AF	SMA NJ	ΧI	29.4
5	YA	SMA NJ	Χ	26.6
6	SMS	MA NJ		55.2
7	MID	MA NJ	Χ	47.2
8	HS	MA NJ	Х	23.6
9	ARB	MA NJ	Х	34.2
10	JA	MA NJ	Х	33.6
11	MIA	SMA NJ	ΧI	40.2
12	AA	MA NJ	Х	43.6
13	SA	SMK NJ	Х	31.8
14	AW	SMK NJ	Х	38
15	IH	MA NJ	Х	47.4
16	MCA	MA NJ	Χ	52.2
17	MAG	SMA NJ	Х	57.6
18	MAS	SMK NJ	Х	40.4
19	AFH	SMA NJ	ΧI	32.8
20	IN	MA NJ	Χ	30
21	FR	MA NJ	Χ	33.8
22	FAL	MA NJ	Х	35.4
23	MUH	MA NJ	Х	42.2
24	MM	SMK NJ	Χ	21.4
25	DAA	MA NJ	Χ	46.4
26	MIM	MA NJ	Х	34.4
27	ACA	SMK NJ	ΧI	23.8

Table 4.1

PUTRI Al-Bayan

No	Inisial	Sekolah Formal	Kelas	Nilai
1	АН	SMA NJ	XI	24.4
2	CF	SMA NJ	Х	22
3	LDLR	SMK NJ	ΧI	22.2
4	CPAP	SMA NJ	Х	37.6
5	RAA	SMA NJ	ΧI	25
6	RAM	MA NJ	Х	33.8
7	ASY	SMA NJ	Х	33
8	JNB	MA NJ	Х	38.4
9	K	SMA NJ	ΧI	25.6
10	FT	SMA NJ	Х	36.2
11	FNP	SMA NJ	Х	31
12	MKP	SMA NJ	Х	49.4
13	AFT	SMA NJ	Х	36.8
14	AMa	MA NJ	Х	42.8
15	SM	MA NJ	Х	29.4
16	IS	MAN	ΧI	23.4
17	IFAH	MA NJ	Х	21.4
18	DARP	MA NJ	Х	41.6
19	AFa	MA NJ	Х	43.8
20	RQ	MA NJ	Х	33.8
21	MMa	SMA NJ		37.8
22	АН	SMA NJ	Х	37.4
23	LDM	SMA NJ	Х	24
24	IS	SMA NJ	Х	24.6
25	WOIF	MAN	XI	25.6
26	RA	MA NJ	Х	32.4

Table 4.2

PUTRI Al-Hasyimiyah

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No	Inisial	Sekolah Formal	Kelas	Nilai	
1	AAU	MA NJ	Х	60.2	
2	NDM	SMA NJ	Х	64	
3	ARNM	SMA NJ	Х	57.2	
4	FWJ	SMA NJ	ΧI	55.2	
5	WU	SMA NJ	Х	49	
6	R	SMA NJ	XI	55	
7	IAZ	SMA NJ	Х	53.2	

9 FD SMA NJ X 47.4 10 NKh SMA NJ X 45.4 11 AS SMA NJ X 57.6 12 JF MA NJ X 55.4 13 MRI SMA NJ X 48.6 14 FH SMA NJ X 54 15 PAN SMA NJ X 51.8 16 YH MAN XI 46.2 17 RH MA NJ XI 50.6 18 WIA SMA NJ X 61.2 19 YD SMA NJ X 56.6 20 GAMFA MA NJ X 56.6 20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 57.6 25 FHa	8	NK	SMA NJ	Х	51.2
11 AS SMA NJ X 57.6 12 JF MA NJ X 55.4 13 MRI SMA NJ X 48.6 14 FH SMA NJ X 54 15 PAN SMA NJ X 51.8 16 YH MAN XI 46.2 17 RH MA NJ XI 50.6 18 WIA SMA NJ X 61.2 19 YD SMA NJ X 56.6 20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 4	9	FD	SMA NJ	Х	47.4
12 JF MA NJ X 55.4 13 MRI SMA NJ X 48.6 14 FH SMA NJ X 54 15 PAN SMA NJ X 51.8 16 YH MAN XI 46.2 17 RH MA NJ XI 50.6 18 WIA SMA NJ X 61.2 19 YD SMA NJ X 56.6 20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 53.8 24 AC MA NJ X 57.6 25 FHa SMK NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 40.2 30 AAB S	10	NKh	SMA NJ	Х	45.4
13 MRI SMA NJ X 48.6 14 FH SMA NJ X 54 15 PAN SMA NJ X 51.8 16 YH MAN XI 46.2 17 RH MA NJ XI 50.6 18 WIA SMA NJ X 61.2 19 YD SMA NJ X 56.6 20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 57.6 23 WM SMA NJ X 57.6 25 FHa SMK NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X	11	AS	SMA NJ	Х	57.6
14 FH SMA NJ X 54 15 PAN SMA NJ X 51.8 16 YH MAN XI 46.2 17 RH MA NJ XI 50.6 18 WIA SMA NJ X 61.2 19 YD SMA NJ X 56.6 20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA <t< td=""><td>12</td><td>JF</td><td>MA NJ</td><td>Х</td><td>55.4</td></t<>	12	JF	MA NJ	Х	55.4
15 PAN SMA NJ X 51.8 16 YH MAN XI 46.2 17 RH MA NJ XI 50.6 18 WIA SMA NJ X 61.2 19 YD SMA NJ X 56.6 20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 47.6 32 AFA	13	MRI	SMA NJ	Х	48.6
16 YH MAN XI 46.2 17 RH MA NJ XI 50.6 18 WIA SMA NJ X 61.2 19 YD SMA NJ X 56.6 20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 53.8 24 AC MA NJ X 57.6 25 FHa SMK NJ XI 45.6 26 RHu SMA NJ XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 45.	14	FH	SMA NJ	Х	54
17 RH MA NJ XI 50.6 18 WIA SMA NJ X 61.2 19 YD SMA NJ X 56.6 20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 53.8 24 AC MA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 47.6 32 AFA SMA NJ X 45	15	PAN	SMA NJ	Х	51.8
18 WIA SMA NJ X 61.2 19 YD SMA NJ X 56.6 20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 53.8 24 AC MA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	16	YH	MAN	XI	46.2
19 YD SMA NJ X 56.6 20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 53.8 24 AC MA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	17	RH	MA NJ	XI	50.6
20 GAMFA MA NJ X 51 21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 53.8 24 AC MA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	18	WIA	SMA NJ	Х	61.2
21 LW SMA NJ X 58 22 NS SMA NJ X 55.2 23 WM SMA NJ X 53.8 24 AC MA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	19	YD	SMA NJ	Х	56.6
22 NS SMA NJ X 55.2 23 WM SMA NJ X 53.8 24 AC MA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	20	GAMFA	MA NJ	Х	51
23 WM SMA NJ X 53.8 24 AC MA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	21	LW	SMA NJ	Х	58
24 AC MA NJ X 57.6 25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	22	NS	SMA NJ	Х	55.2
25 FHa SMK NJ XI 55 26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	23	WM	SMA NJ	Х	53.8
26 RHu SMA NJ XI 48.8 27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	24	AC	MA NJ	X	57.6
27 YLM MAN XI 47.6 28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	25	FHa	SMK NJ	XI	55
28 SCM SMA NJ X 50.6 29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	26	RHu	SMA NJ	XI	48.8
29 SNQ MA NJ XI 46.2 30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	27	YLM	MAN	XI	47.6
30 AAB SMK NJ X 47.6 31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	28	SCM	SMA NJ	Х	50.6
31 BPA SMA NJ X 51.4 32 AFA SMA NJ X 45	29	SNQ	MA NJ	XI	46.2
32 AFA SMA NJ X 45	30	AAB	SMK NJ	X	47.6
	31	ВРА	SMA NJ	Х	51.4
33 EW SMA NJ X 49.2	32	AFA	SMA NJ	X	45
	33	EW	SMA NJ	X	49.2

Table 4.3

2. FLDI's Final Examination of the First Semester (2015/2016)

These tables consist of first semester final examination scores held by FLDI on January 2016. The scores are the average or cumulative scores from all section in the final examination.

Recapitulation of First Semester Final Exam Scores Foreign Language Development Institute (FLDI) Academic Year 2015/2016

Tingkat: Elementary A Pusat

6	inighat. Elementary A i usut				
NO	Inisial	Nilai Numerik	Nilai Huruf		
1	AM	77	В		
2	MFR	74.3	С		
3	IMS	72.9	С		
4	AF	72.3	С		
5	YA	72.2	С		
6	SMS	72.1	С		
7	MID	72.1	С		
8	HS	71.9	С		
9	ARB	71	C		
10	JA	70.4	С		
11	MIA	70.2	С		
12	AA	69.4	С		
13	SA	69	С		
14	AW	66.8	С		

Table 4.4

Tingkat: Elementary B Pusat

illighat. Elementary brusat			
No	Inisial	Nilai Numerik	Nilai Huruf
1	IH	72.7	С
2	MCA	72.5	С
3	MAG	72.5	С
4	MAS	72.5	С
5	AFH	72.1	С
6	IN	71.8	С
7	FR	71.3	С
8	FAL	71.3	С
9	MUH	70.1	С
10	MM	70.1	С
11	DAA	68.3	С
12	MIM	67.6	С
13	ACA	63.3	С

Table 4.5

Tingkat: Elementary A Glory Al-Bayan

	ingination and in a section of the s				
No	Inisial	Nilai Numerik	Nilai Huruf		
1	АН	79.8	В		
2	CF	78.0	В		
3	LDLR	76.3	В		
4	CPAP	75.8	С		
5	RAA	75.7	С		
6	RAM	75.7	С		
7	ASY	75.5	С		
8	JNB	75.3	С		
9	K	75.2	С		
10	FT	75.2	С		
11	FNP	75.0	С		
12	MKP	74.8	С		
13	AFT	74.7	С		
14	AMa	73.2	С		
15	SM	73.1	С		
16	IS	72.2	С		
17	IFAH	71.7	С		

Table 4.6

Tingkat: Elementary B Glory Al-Bayan

	inghat i ziementar y z eler y in zayan				
No	Inisial	Nilai Numerik	Nilai Huruf		
1	DARP	80.3	В		
2	AFa	77.8	В		
3	RQ	75.6	С		
4	MMa	75.1	С		
5	АН	74.8	С		
6	LDM	74.7	С		
7	IS	73.6	С		
8	WOIF	71.7	С		
9	RA	59.3	D		

Table 4.7

Tingkat: Elementary A Al-Hasyimiyah

No	Inisial	Nilai Numerik	Nilai Huruf
1	AAU	82.0	В
2	NDM	81.7	В
3	ARNM	79.8	В
4	FWJ	79.7	В
5	WU	78.6	В
6	R	78.1	В
7	IAZ	77.7	В
8	NK	77.2	В
9	FD	76.9	В
10	NKh	76.3	В
11	AS	76.0	В
12	JF	75.7	С
13	MRI	75.2	С
14	FH	75.2	С
15	PAN	73.9	С
16	YH	70.9	С
17	RH	70.8	С

Table 4.8

Tingkat: Elementary B Al-Hasyimiyah

0	Tingkat . Elementary D Al Hasyimyan				
No	Inisial	Nilai Numerik	Nilai Huruf		
1	WIA	83.3	В		
2	YD	80.4	В		
3	GAMFA	77.8	В		
4	LW	77.6	В		
5	NS	77.0	В		
6	WM	76.5	В		
7	AC	76.3	В		
8	FHa	74.7	С		
9	RHu	74.6	С		
10	YLM	74.1	С		
11	SCM	73.8	С		
12	SNQ	72.0	С		
13	AAB	71.6	С		
14	BPA	71.3	С		
15	AFA	70.3	С		
16	EW	70.0	С		

Table 4.9

Those tables are the data given by FLDI officer. The tables representing students' selection test scores in correlation step was not separated, meaning that those data in those tables were in a table when the researcher correlated it. That circumstance also happened to the tables of students' first semester final examination score.

From the tables of the recapitulation of first semester final examination for elementary level of FLDI, we can assume that their progress in learning and mastering English is in very right direction. Those tables show us great amount of achievement after learning process in the institution.

3. The Result of Statistic Data Analysis Using Pearson Correlation Product Moment

The researcher uses Pearson product moment correlation in correlating the two variables through SPSS version 16.0 app. The result of the statistical analysis is recorded as follows:

	Correlations				
		Selection_Test (X)	Final_Exam (Y)		
Selection_Test	Pearson Correlation	1	.403**		
	Sig. (1-tailed)		0		
	N	86	86		
Final_Exam	Pearson Correlation	.403**	1		
	Sig. (1-tailed)	0			
	N	86	86		

^{**.} Correlation is significant at the 0.01 level (1-tailed).

Figure 4.1

The result of analyzing and correlating variable X and Y, as mentioned above, is 0.403, meaning that the scores of selection test affected the scores of first semester final examination. In other word, the bigger scores gotten by the test-takers, the bigger scores they will get in first semester final examination.

Furthermore, it has been acknowledged that the significance level decided by the researcher is 0.05, and the significance of the correlation, result of the statistical analysis using Pearson correlation product moment, is 0.00. Since the significance of the correlation between the selection test and first semester final examination is smaller than the significance level decided (0.00 < 0.05), so the two tests has high significance.

Based on the statistical analysis presented that the positive result of correlating variable X and Y (0.403) and the significance of the correlation gaining 0.00, so the researcher concludes that the scores of selection test and the first semester final examination have positive correlation with high significance.

B. Discussions

As one of autonomy institution in Nurul Jadid, FLDI can plan and run its own policies. One of its policies is deciding every member candidate that wants to join the institution must join a selection test first. The purpose of the test is to know the skills and ability of the test-takers in speaking Arabic and English, and also to predict test-takers future-like performance.

The test, as a measuring instrument which function is to predict future-like performance of test-takers conducted by FLDI must have high predictive validity. To assess high or not the predictive validity is, which engaging two variables (the scores of the selection test and first semester final examination), and to find out whether the H¹ (there is positive correlation between FLDI's selection test score and the first semester final examination score) is accepted or not, Pearson correlation product moment is used. SPSS version 16.0 is also used to ease the statistical analysis process.

After analyzing, these are the result that the researcher got:

The relation between selection test (variable X) and first semester final examination (variable Y) shows positive relationship proved by the result of analysis in numeric data: 0.403. These positive relationship shows that the bigger scores of the selection test, the bigger scores of first semester final examination that test-takers got.

We have known that the significance level decided by the researcher is 0.05, and after the analysis, the significance of the correlation between variable X and Y is 0.00. This result presents evidence that the correlation of both variables has high significance because the significance of the correlation is smaller than the significance level.

Predictive validity of the selection test is proved to be valid in predicting test-takers future-like performance. As mentioned above, the fact that both

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⁶⁸ Donald Ary, et al., *Introduction To Research In Education*, (USA: Wadsworth, Cengage Learning, 2010), 129.

variables have positive correlation with high significance is a proof that predictive validity of the test is valid.

Recalling Donald Ary et al statement, that if both variables, the scores of aptitude test (predictor) and examination (criterion), shows positive relation, the predictor can be used in predicting test-takers' future-like performance.⁶⁹ So, the selection test conducted by FLDI can be used again in next academic year because it is proved that the test could predict the future-like performance of test-takers with positive correlation and high significance.

⁶⁹ Donald Ary, et al., *Introdcution To Research In Education,* (USA: Wadsworth, Cengage Learning, 2010), 229.

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