



Min : 30,00
Max : 90,00
Mean : 60,34

Tabel 4.1.2 Frequency Distribution of E Class Equal-test Score

No	Score	F	Percentage
1	60	1	2%
2	70	16	39%
3	80	15	37%
4	90	9	22%
Total		41	100%
Min : 60,00			
Max : 90,00			
Mean : 70,78			

Tabel 4.1.3 Frequency Distribution of F Class Equal-test Score

No	Score	F	Percentage
1	60	1	2%
2	70	7	17%
3	80	24	59%
4	90	7	17%
5	100	2	5%
Total		41	100%







Asymp. Sig.	.000
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a. Kruskal Wallis Test

b. Grouping Variable: Kelas

Based on test result of Kruskal Wallis to know there is difference of average score or not among class 8D, 8E, 8F, and 8G, it is found the result that significance value  $0,000 < 0,05$ , so it can be concluded that there is difference of average score among class 8D, 8E, 8F, and 8G. to know which class has same average score or different, it continues by test of Mann Whitney U

d) Test of Mann Whitney U

Tabel 4.1.9 Test of Mann Whitney U Equal-test

CLASS	SIGNIFICANCE VALUE	CONCLUSION
8D and 8E	0,000	Different
8D and 8F	0,000	Different
8D and 8G	0,000	Different
8E and 8F	0,264	Same
8E and 8G	0,858	Same
8F and 8G	0,194	Same

Based on test result of Mann Whitney U, it can be found there are some classes have different average score and there are some classes have same average score. To determine classes chosen in the research, it was chosen,





























## C. Discussion

### 1. Discussion of Research Result

This study is conducted in SMPN 4 Surabaya. This study is intent on testing the effectiveness of GIST Strategy implementation to increase student reading comprehension in exploring descriptive text. The way is by determining the difference of test score result of experimental and control group. Research result is drawn conclusion through two test to answer the research question:

a. In equal-test, using test of Kruskal Wallis and Mann Whitney U. Other than to determine classes that chosen in the research, equal-test was also held to get the average score of all population of this research in order to know student reading comprehension in exploring descriptive text in second grade of SMPN 4 Surabaya.

Based on test result of Kruskal Wallis, it was found the result that significance value  $0,000 < 0,05$ , so it can be concluded that there was difference of average score among class 8D, 8E, 8F, and 8G and on test result of Mann Whitney U, it can be found there were some classes have same average score, those are: 8D and 8E, 8D and 8F, 8D and 8G all of them have significance value  $>0,000$ . Then there were some classes have different average score, those are 8E and 8F with significance value is  $< 0,264$ , 8E and 8G with significance value is  $< 0,858$ , 8F and 8G with significance value was  $< 0,194$ . Then 8E and 8G was

chosen as the experimental and control group because the significance value is the highest one.

To know student reading comprehension in exploring descriptive text, researcher showed the average score of each classes and average score of all classes. The average score of each classes was 8D with average score 63,41 , 8E with 77,80 , 8F with 78,51 , and 8G with 77,80. And the average of all classes was 65,54.

b. In pre-test and post-test, using test of Mann Whitney U to test the difference of descriptive text with implementation of GIST Strategy and descriptive text in conventional learning without implementation of GIST Strategy.

In pre-test result based on test of Mann Whitney U, the result of significance value is  $0,461 > 0,05$ , therefore it was concluded that there was no difference of pre-test average score between experimental and control group.

In post-test result based on test of Mann Whitney U, the result of significance value was  $0,000 < 0,05$ , meant there was significant difference in post-test average score between experimental and control group. Besides, the average score of experimental group was higher than control group. Based on SPSS result interpretations, so researcher states learning with implementation of GIST Strategy is effective to improve student reading comprehension in exploring descriptive text.

