

## HASIL UJI SPSS

### 1. Komunikasi Ilmiah Tertulis

Uji Normalitas

Tests of Normality							
		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Kelas	Statistic	df	Sig.	Statistic	df	Sig.
Nilai	Kelas_Eksperimen	,271	32	,000	,829	32	,000
Siswa	Kelas_Kontrol	,259	32	,000	,862	32	,001

Uji Homogenitas

Test of Homogeneity of Variance					
		Levene Statistic	df1	df2	Sig.
Nilai	Based on Mean	1,427	1	62	,237
Siswa	Based on Median	,169	1	62	,682
	Based on Median and with adjusted df	,169	1	61,812	,682
	Based on trimmed mean	1,234	1	62	,271

Uji T

		Independent Samples Test								
		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Posttes	Equal variances assumed	1,427	,237	2,987	62	,004	4,96875	1,66350	1,64346	8,29404
	Equal variances not assumed			2,987	61,527	,004	4,96875	1,66350	1,64295	8,29455

Uji Manwhitney U

Mean Ranks Tiap Kelas

Ranks				
Kelas		N	Mean Rank	Sum of Ranks
Nilai_Siswa	Kelas_Eksperimen	32	38,14	1220,50
	Kelas_Kontrol	32	26,86	859,50
	Total	64		

Mann-Whitney U

Test Statistics <sup>a</sup>	
Nilai_Siswa	
Mann-Whitney U	331,500
Wilcoxon W	859,500
Z	-2,447
Asymp. Sig. (2-tailed)	,014

## 2. Komunikasi Ilmiah Lisan

Uji Normalitas

### Tests of Normality

	kelas	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Nilai	1	,161	32	,035	,936	32	,057
	2	,152	32	,058	,943	32	,088

Uji Homogenitas

### Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Nilai Siswa	Based on Mean	1,552	1	62	,217
	Based on Median	1,099	1	62	,299
	Based on Median and with adjusted df	1,099	1	52,839	,299
	Based on trimmed mean	1,618	1	62	,208

Uji T

Independent Samples Test									
		Levene's Test for Equality of Variances		t-test for Equality of Means					
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference Lower Upper
Nilai Siswa	Equal variances assumed	1,552	,217	7,302	62	,004	15,000	2,054	10,894 19,106
	Equal variances not assumed			7,302	58,653	,004	15,000	2,054	10,889 19,111