Lampiran IV

Uji Normalitas Data Pengukuran *Flexible Ruler*

Tests of Normality

	sampel	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
sebelum1	Kelompok Control	.362	10	.001	.717	10	.001
sesudah1	Kelompok Control	.236	10	.123	.841	10	.046
selisih1	Kelompok Control	.433	10	.000	.594	10	.000
sebelum2	Kelompok Control	.221	10	.181	.873	10	.110
sesudah2	Kelompok Control	.114	10	.200*	.944	10	.599
selisih2	Kelompok Control	.267	10	.041	.880	10	.130

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.

Uji Homogenitas Data Pengukuran *Flexible Ruler*

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
sebelum1	3.969	1	18	.062

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
sebelum1	Between Groups	5.000	1	5.000	2.103	.164
	Within Groups	42.800	18	2.378		
	Total	47.800	19			

Uji Hipotesis I Data Pengukuran Flexible Ruler

Ranks

		N	Mean Rank	Sum of Ranks
sesudah1 - sebelum1	Negative Ranks	10[a]	5.50	55.00
	Positive Ranks	0[b]	.00	.00
	Ties	0[c]		
	Total	10		

Test Statistics[b]

	sesudah1 - sebelum1
Z	-2.844[a]
Asymp. Sig. (2-tailed)	.004

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Uji Hipotesis II Data Pengukuran *Flexible Ruler*

Ranks

		N	Mean Rank	Sum of Ranks
sesudah2 - sebelum2	Negative Ranks	10[a]	5.50	55.00
	Positive Ranks	0[b]	.00	.00
	Ties	0[c]		
	Total	10		

Test Statistics[b]

	sesudah2 - sebelum2
Z	-2.816[a]
Asymp. Sig. (2-tailed)	.005

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Uji Hipotesis III Data Pengukuran *Flexible Ruler*

Ranks

	sampel	N	Mean Rank	Sum of Ranks
selisih1	Kelompok Control	10	7.55	75.50
	Kelompok Perlakuan	10	13.45	134.50
	Total	20		
selisih2	Kelompok Control	10	5.50	55.00
	Kelompok Perlakuan	0[a]	.00	.00
	Total	10		

Test Statistics[b]

	selisih1
Mann-Whitney U	20.500
Wilcoxon W	75.500
Z	-2.424
Asymp. Sig. (2-tailed)	.015
Exact Sig. [2*(1-tailed Sig.)]	.023[a]

Uji Normalitas Data Pengukuran MODI

Tests of Normality

	sampel	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	df	Sig.
sebelum1	1	.300	10	.011	.859	10	.075
sesudah1	1	.329	10	.003	.655	10	.000
selisih1	1	.252	10	.071	.856	10	.068
sebelum2	1	.244	10	.093	.924	10	.391
sesudah2	1	.245	10	.091	.820	10	.025
selisih2	1	.229	10	.145	.919	10	.350

a. Lilliefors Significance Correction

Uji Homogenitas Data Pengukuran MODI

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
sebelum1	.330	1	18	.573

Uji Hipotesis I Data Pengukuran MODI

Ranks

		N	Mean Rank	Sum of Ranks
sesudah1 - sebelum1	Negative Ranks	10[a]	5.50	55.00
	Positive Ranks	0[b]	.00	.00
	Ties	0[c]		
	Total	10		

Test Statistics[b]

	sesudah1 - sebelum1
Z	-2.809[a]
Asymp. Sig. (2-tailed)	.005

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Uji Hipotesis II Data Pengukuran MODI

Ranks

		N	Mean Rank	Sum of Ranks
sesudah2 - sebelum2	Negative Ranks	10[a]	5.50	55.00
	Positive Ranks	0[b]	.00	.00
	Ties	0[c]		
	Total	10		

Test Statistics[b]

	sesudah2 - sebelum2
Z	-2.807[a]
Asymp. Sig. (2-tailed)	.005

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Uji Hipotesis III Data Pengukuran MODI

Ranks

	sampel	N	Mean Rank	Sum of Ranks
selisih1	1	10	7.20	72.00
	2	10	13.80	138.00
	Total	20		
selisih2	1	10	5.50	55.00
	2	0[a]	.00	.00
	Total	10		

Test Statistics[b]

	selisih1
Mann-Whitney U	17.000
Wilcoxon W	72.000
Z	-2.505
Asymp. Sig. (2-tailed)	.012
Exact Sig. [2*(1-tailed Sig.)]	.011[a]