

LAMPIRAN

DESKRIPTIF STATISTIK

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Pretest	20	12	18	16,25	1,943
Posttest	20	23	25	24,50	,827
Valid N (listwise)	20				

NORMALITAS

Tests of Normality						
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Pretest	,250	20	,002	,835	20	,003
Posttest	,427	20	,000	,612	20	,000

a. Lilliefors Significance Correction

WILCOXON

Ranks				
		N	Mean Rank	Sum of Ranks
Posttest - Pretest	Negative Ranks	0 ^a	,00	,00
	Positive Ranks	20 ^b	10,50	210,00
	Ties	0 ^c		
	Total	20		

a. Posttest < Pretest

b. Posttest > Pretest

c. Posttest = Pretest

Test Statistics^a

Posttest - Pretest	
Z	-3,937 ^b
Asymp. Sig. (2-tailed)	,000

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

NGAIN

Descriptives

			Statistic	Std. Error
NGainPersen	Mean		94,12	2,269
	95% Confidence Interval for Mean	Lower Bound	89,37	
		Upper Bound	98,87	
	5% Trimmed Mean		95,05	
	Median		100,00	
	Variance		102,987	
	Std. Deviation		10,148	
	Minimum		71	
	Maximum		100	
	Range		29	
	Interquartile Range		10	
	Skewness		-1,439	,512
	Kurtosis		,472	,992

No	Ngain (%)
1	100
1	100
3	100
4	100
5	75
6	100
7	90
8	100
9	100
10	100
11	100
12	80
13	100
14	91
15	71
16	100
17	100
18	100
19	75
20	100
Rata-rata	94,12
Minimum	71
Maksimum	100

Kategori Tafsiran Efektivitas N-Gain

Presentase (%)	Tafsiran
< 40	Tidak Efektif
40 – 55	Kurang Efektif
56 – 75	Cukup Efektif
> 76	Efektif

Sumber: Hake, R.R., 1999