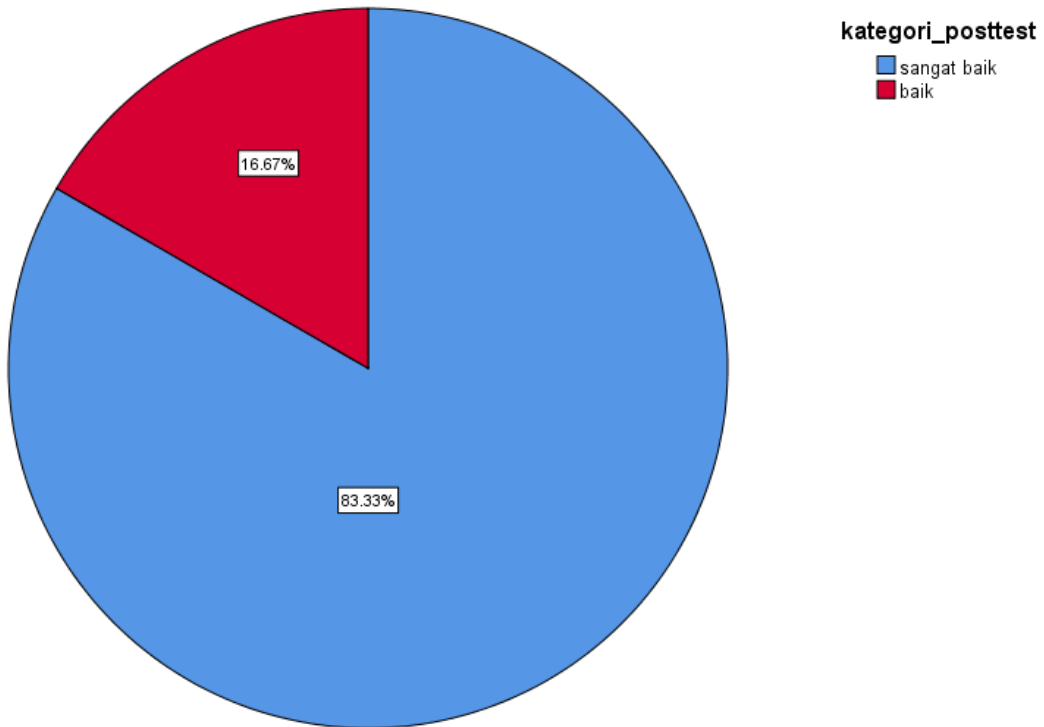
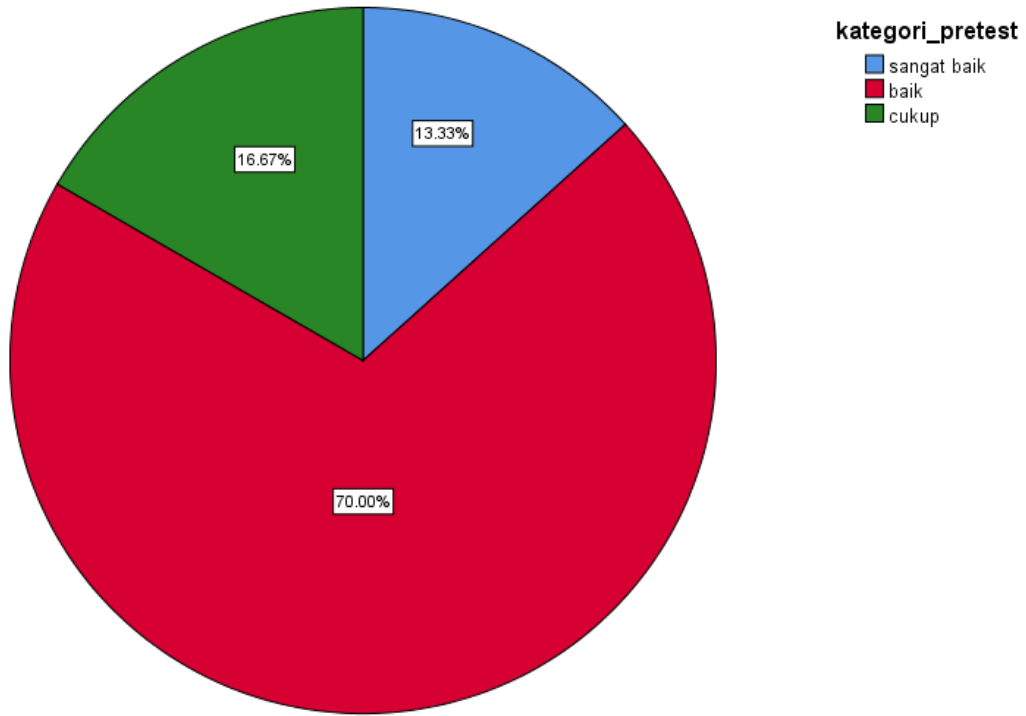


kategori_pretest

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	sangat baik	4	13.3	13.3	13.3
	baik	21	70.0	70.0	83.3
	cukup	5	16.7	16.7	100.0
	Total	30	100.0	100.0	

kategori_posttest

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	sangat baik	25	83.3	83.3	83.3
	baik	5	16.7	16.7	100.0
	Total	30	100.0	100.0	



Case Processing Summary

Cases						
Valid			Missing		Total	
	N	Percent	N	Percent	N	Percent
skor_pretest	30	100.0%	0	0.0%	30	100.0%
skor_posttest	30	100.0%	0	0.0%	30	100.0%

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
hasil pretest	30	44	59	50.67	4.551
hasil posttest	30	50	72	62.20	6.228
Valid N (listwise)	30				

Descriptives

		Statistic	Std. Error
hasil pretest	Mean	50.67	.831
	95% Confidence Interval for Mean	Lower Bound	48.97
		Upper Bound	52.37
	5% Trimmed Mean	50.57	
	Median	50.00	
	Variance	20.713	
	Std. Deviation	4.551	
	Minimum	44	
	Maximum	59	
	Range	15	
	Interquartile Range	5	
	Skewness	.364	.427
	Kurtosis	-.416	.833
hasil posttest	Mean	62.20	1.137
	95% Confidence Interval for Mean	Lower Bound	59.87
		Upper Bound	64.53
	5% Trimmed Mean	62.33	
	Median	64.00	
	Variance	38.786	
	Std. Deviation	6.228	
	Minimum	50	
	Maximum	72	

Range	22	
Interquartile Range	6	
Skewness	-.496	.427
Kurtosis	-.052	.833

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
hasil pretest	.183	30	.117	.886	30	.121
hasil posttest	.165	30	.141	.931	30	.136

a. Lilliefors Significance Correction

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	hasil pretest	50.67	30	4.551	.831
	hasil posttest	62.20	30	6.228	1.137

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	hasil pretest & hasil posttest	30	.369	.000

Paired Samples Test

Paired Differences								
	Mean	Std. Deviation	Std. Error	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
				Lower	Upper			
Pair 1hasil pretest - hasil posttest	-11.533	6.213	1.134	-13.853	-9.213	-10.167	29	.000

