

```
T-TEST PAIRS=Pretest WITH Posttest (PAIRED)
/CRITERIA=CI (.9500)
/MISSING=ANALYSIS.
```

T-Test

Notes

Output Created		22-May-2023 19:53:12	
Comments			
Input	Active Dataset	DataSet0	
	Filter	<none>	
	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data	23	
Missing Value Handling	File		
	Definition of Missing	User defined missing values are treated as missing.	
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.	
Syntax		T-TEST PAIRS=Pretest WITH Posttest (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00 00:00:00.015	
	Elapsed Time	00 00:00:00.015	

[DataSet0]

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pretest	72.5652	23	9.32653	1.94472
	Posttest	82.4348	23	8.77406	1.82952

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Pretest & Posttest	23	.792	.000

Paired Samples Test

		Paired Differences			
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference
					Lower Upper
Pair 1	Pretest - Posttest	-9.86957	5.86441	1.22281	-12.40553 -7.33360

Paired Samples Test

		t	df	Sig. (2-tailed)
Pair 1	Pretest - Posttest	-8.071	22	.000

Test	N	Statistika Deskriptif	Paired T-Test		
		M (Std. D)	t	df	Sig. (2-tailed)
Pretest	23	72.57 (9.32)	-8.071	22	0.000*
Posttest	23	82.43 (8.77)			

* $p < 0.05$: nilai signifikansi