

Uji validitas

Soal

Correlations

		x1	x2	x3	x4	x5	x6	x7	x8	x9	x10	x11	x12	skor_total
x1	Pearson Correlation	1	,408(*)	,542(**)	,312	-,064	,120	,216	-,131	-,210	-,290	,299	,317	,368
	Sig. (2-tailed)		,043	,005	,129	,762	,567	,300	,533	,314	,160	,146	,122	,070
	N	25	25	25	25	25	25	25	25	25	25	25	25	25
x2	Pearson Correlation	,408(*)	1	,589(**)	,525(**)	,322	,547(**)	,611(**)	,189	,192	,108	,282	,254	,727(**)
	Sig. (2-tailed)	,043		,002	,007	,117	,005	,001	,365	,358	,607	,172	,221	,000
	N	25	25	25	25	25	25	25	25	25	25	25	25	25
x3	Pearson Correlation	,542(**)	,589(**)	1	,497(*)	,277	,151	,477(*)	,354	,194	,161	,101	,332	,674(**)
	Sig. (2-tailed)	,005	,002		,011	,181	,471	,016	,083	,353	,442	,631	,105	,000
	N	25	25	25	25	25	25	25	25	25	25	25	25	25
x4	Pearson Correlation	,312	,525(**)	,497(*)	1	,525(**)	,262	,451(*)	,158	,064	-,163	,242	,196	,604(**)
	Sig. (2-tailed)	,129	,007	,011		,007	,207	,024	,449	,761	,436	,244	,349	,001
	N	25	25	25	25	25	25	25	25	25	25	25	25	25
x5	Pearson Correlation	-,064	,322	,277	,525(**)	1	,497(*)	,248	-,026	-,126	-,089	,206	,195	,444(*)
	Sig. (2-tailed)	,762	,117	,181	,007		,012	,232	,901	,548	,673	,323	,351	,026
	N	25	25	25	25	25	25	25	25	25	25	25	25	25
x6	Pearson Correlation	,120	,547(**)	,151	,262	,497(*)	1	,579(**)	,045	,034	-,012	,610(**)	,408(*)	,628(**)
	Sig. (2-tailed)	,567	,005	,471	,207	,012		,002	,831	,871	,954	,001	,043	,001
	N	25	25	25	25	25	25	25	25	25	25	25	25	25
x7	Pearson Correlation	,216	,611(**)	,477(*)	,451(*)	,248	,579(**)	1	,138	,156	,000	,481(*)	,205	,658(**)
	Sig. (2-tailed)	,300	,001	,016	,024	,232	,002		,510	,458	1,000	,015	,326	,000
	N	25	25	25	25	25	25	25	25	25	25	25	25	25
x8	Pearson Correlation	-,131	,189	,354	,158	-,026	,045	,138	1	,890(**)	,704(**)	,072	,337	,544(**)
	Sig. (2-tailed)	,533	,365	,083	,449	,901	,831	,510		,000	,000	,733	,099	,005

	N	25	25	25	25	25	25	25	25	25	25	25	25	25	25
x9	Pearson Correlation	-,210	,192	,194	,064	-,126	,034	,156	,890(**)	1	,790(**)	,198	,351	,513(**)	
	Sig. (2-tailed)	,314	,358	,353	,761	,548	,871	,458	,000		,000	,344	,086	,009	
	N	25	25	25	25	25	25	25	25	25	25	25	25	25	25
x10	Pearson Correlation	-,290	,108	,161	-,163	-,089	-,012	,000	,704(**)	,790(**)	1	,020	,220	,345	
	Sig. (2-tailed)	,160	,607	,442	,436	,673	,954	1,000	,000	,000		,924	,291	,091	
	N	25	25	25	25	25	25	25	25	25	25	25	25	25	25
x11	Pearson Correlation	,299	,282	,101	,242	,206	,610(**)	,481(*)	,072	,198	,020	1	,661(**)	,625(**)	
	Sig. (2-tailed)	,146	,172	,631	,244	,323	,001	,015	,733	,344	,924		,000	,001	
	N	25	25	25	25	25	25	25	25	25	25	25	25	25	25
x12	Pearson Correlation	,317	,254	,332	,196	,195	,408(*)	,205	,337	,351	,220	,661(**)	1	,677(**)	
	Sig. (2-tailed)	,122	,221	,105	,349	,351	,043	,326	,099	,086	,291	,000		,000	
	N	25	25	25	25	25	25	25	25	25	25	25	25	25	25
skor_t otal	Pearson Correlation	,368	,727(**)	,674(**)	,604(**)	,444(*)	,628(**)	,658(**)	,544(**)	,513(**)	,345	,625(**)	,677(**)	1	
	Sig. (2-tailed)	,070	,000	,000	,001	,026	,001	,000	,005	,009	,091	,001	,000		
	N	25	25	25	25	25	25	25	25	25	25	25	25	25	25

* Correlation is significant at the 0.05 level (2-tailed).

** Correlation is significant at the 0.01 level (2-tailed).

Uji reliabilitas

Reliability Statistics

Cronbach's Alpha	N of Items
,811	12

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
x1	41,6800	40,643	,244	,814
x2	41,2800	35,960	,649	,780
x3	41,3200	36,893	,589	,786
x4	41,1200	36,777	,486	,795
x5	41,2000	39,417	,316	,809
x6	41,0400	36,873	,524	,791
x7	40,9600	37,373	,575	,788
x8	41,4000	37,750	,418	,801
x9	41,0800	38,743	,399	,802
x10	41,0800	41,077	,228	,815
x11	41,1600	36,890	,520	,791
x12	41,2400	35,023	,562	,787

UJI normalitas

Descriptives

			Statistic	Std. Error
kelas_eksperimen	Mean		89,4000	1,30128
	95% Confidence Interval for Mean	Lower Bound	86,7386	
		Upper Bound	92,0614	
	5% Trimmed Mean		89,5185	
	Median		90,0000	
	Variance		50,800	
	Std. Deviation		7,12741	
	Minimum		76,00	
	Maximum		100,00	
	Range		24,00	
	Interquartile Range		12,50	
	Skewness		-,045	,427
	Kurtosis		-1,009	,833
	kelas_kontrol	Mean		83,0667
95% Confidence Interval for Mean		Lower Bound	79,2904	
		Upper Bound	86,8429	
5% Trimmed Mean			83,5185	
Median			84,0000	
Variance			102,271	
Std. Deviation			10,11293	
Minimum			56,00	
Maximum			100,00	
Range			44,00	
Interquartile Range			12,50	
Skewness			-,686	,427
Kurtosis			,503	,833

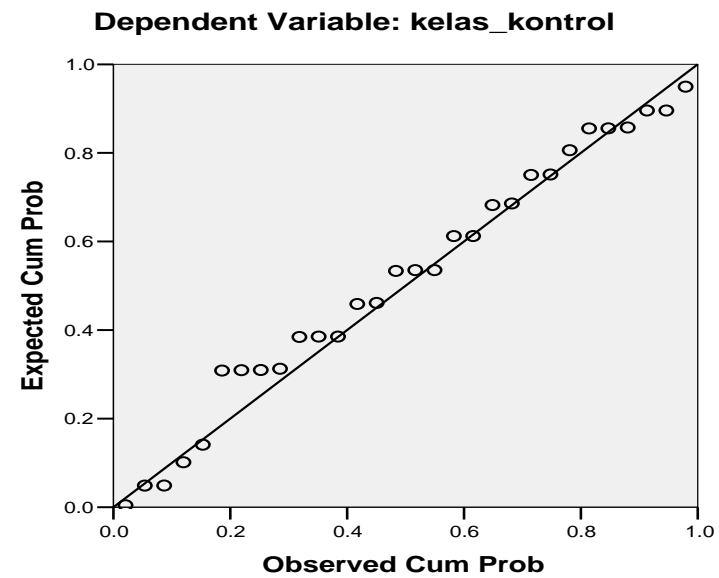
Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
kelas_eksperimen	,100	30	,200*	,953	30	,199
kelas_kontrol	,142	30	,129	,960	30	,302

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

a. Lilliefors Significance Correction

Normal P-P Plot of Regression Standardized Residual



Uji homogenitas

Test of Homogeneity of Variances

kelas_eksperimendankelaskontrol

Levene Statistic	df 1	df 2	Sig.
3,074	3	55	,035

ANOVA

kelas_eksperimendankelaskontrol

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3357,140	3	1119,047	48,567	,000
Within Groups	1267,267	55	23,041		
Total	4624,407	58			

Uji Beda

T-Test

Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 kelas_eksperimen	89,4000	30	7,12741	1,30128
kelas_kontrol	83,0667	30	10,11293	1,84636

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 kelas_eksperimen & kelas_kontrol	30	-,004	,982

Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 kelas_eksperimen - kelas_kontrol	6,33333	12,39670	2,26332	1,70433	10,96234	2,798	29	,009

X1-y Regression

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	39,264	11,817		3,323	,002
	problem_solving_X1	,524	,132	,601	3,975	,000

a. Dependent Variable: prestasi_belajar_Y

X2-y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	53,774	12,652		4,250	,000
	motivasi_belajar_X2	,393	,153	,436	2,564	,016

a. Dependent Variable: prestasi_belajar_Y

X1x2x3 Regression

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,686 ^a	,471	,432	4,68658

a. Predictors: (Constant), motivasi_belajar_X2, problem_solving_X1

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	527,672	2	263,836	12,012	,000 ^a
	Residual	593,028	27	21,964		
	Total	1120,700	29			

a. Predictors: (Constant), motivasi_belajar_X2, problem_solving_X1

b. Dependent Variable: prestasi_belajar_Y

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	19,060	13,878		1,373	,181
	problem_solving_X1	,470	,124	,539	3,785	,001
	motivasi_belajar_X2	,304	,128	,337	2,370	,025

a. Dependent Variable: prestasi_belajar_Y

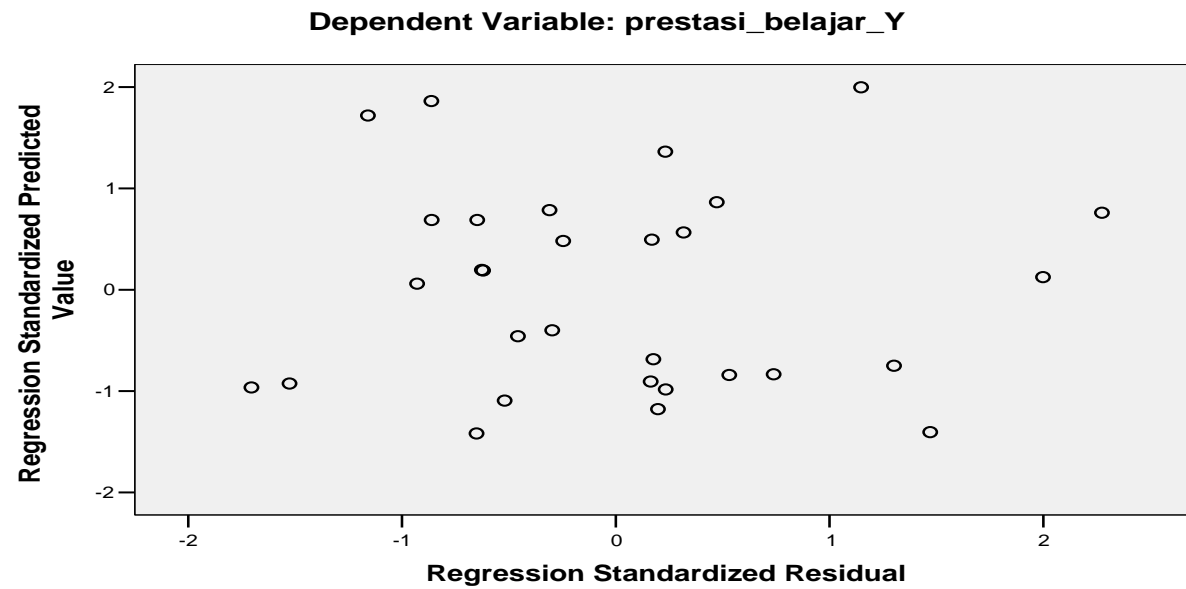
Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,686 ^a	,471	,432	4,68658	1,702

a. Predictors: (Constant), motivasi_belajar_X2, problem_solving_X1

b. Dependent Variable: prestasi_belajar_Y

Heteroskedastisitas

Scatterplot

Multikolinieritas

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	problem_solving_X1	,967	1,035
	motivasi_belajar_X2	,967	1,035

a. Dependent Variable: prestasi_belajar_Y