

General Linear Model

Between-Subjects Factors

	Value Label	N
pendekatan	1.00 pendekatan_discovery	27
	2.00 pendekatan_verifikasi	27

Descriptive Statistics

pendekatan		Mean	Std. Deviation	N
kinerja_ilmiah	pendekatan_discovery	79.1704	6.52827	27
	pendekatan_verifikasi	74.0778	8.11799	27
	Total	76.6241	7.73578	54
KBK_kognitif	pendekatan_discovery	59.6652	9.53502	27
	pendekatan_verifikasi	54.1693	10.42698	27
	Total	56.9172	10.27763	54

Multivariate Tests^b

Effect	Value	F	Hypothesis df	Error df	Sig.	
Intercept	Pillai's Trace	.993	3410.743 ^a	2.000	51.000	.000
	Wilks' Lambda	.007	3410.743 ^a	2.000	51.000	.000
	Hotelling's Trace	133.755	3410.743 ^a	2.000	51.000	.000
	Roy's Largest Root	133.755	3410.743 ^a	2.000	51.000	.000
pendekatan	Pillai's Trace	.154	4.653 ^a	2.000	51.000	.014
	Wilks' Lambda	.846	4.653 ^a	2.000	51.000	.014
	Hotelling's Trace	.182	4.653 ^a	2.000	51.000	.014
	Roy's Largest Root	.182	4.653 ^a	2.000	51.000	.014

a. Exact statistic

b. Design: Intercept + pendekatan

Tests of Between-Subjects Effects

Source	Dependent Variable	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	kinerja_ilmiah	350.116 ^a	1	350.116	6.453	.014
	KBK_kognitif	407.770 ^b	1	407.770	4.085	.048
Intercept	kinerja_ilmiah	317047.431	1	317047.431	5843.109	.000
	KBK_kognitif	174936.790	1	174936.790	1752.536	.000
pendekatan	kinerja_ilmiah	350.116	1	350.116	6.453	.014
	KBK_kognitif	407.770	1	407.770	4.085	.048
Error	kinerja_ilmiah	2821.523	52	54.260		
	KBK_kognitif	5190.600	52	99.819		
Total	kinerja_ilmiah	320219.070	54			
	KBK_kognitif	180535.161	54			
Corrected Total	kinerja_ilmiah	3171.639	53			
	KBK_kognitif	5598.371	53			

a. R Squared = ,110 (Adjusted R Squared = ,093)

b. R Squared = ,073 (Adjusted R Squared = ,055)

pendekatan

Estimates

Dependent Variable	pendekatan	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
kinerja_ilmiah	pendekatan_discovery	79.170	1.418	76.326	82.015
	pendekatan_verifikasi	74.078	1.418	71.233	76.922
KBK_kognitif	pendekatan_discovery	59.665	1.923	55.807	63.523
	pendekatan_verifikasi	54.169	1.923	50.311	58.028

Pairwise Comparisons

Dependent Variable	(I) pendekatan	(J) pendekatan	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
						Lower Bound	Upper Bound
kinerja_ilmiah	pendekatan_ discovery	pendekatan_ verifikasi	5.093 [*]	2.005	.014	1.070	9.116
	pendekatan_ verifikasi	pendekatan_ discovery	-5.093 [*]	2.005	.014	-9.116	-1.070
KBK_kognitif	pendekatan_ discovery	pendekatan_ verifikasi	5.496 [*]	2.719	.048	.039	10.952
	pendekatan_ verifikasi	pendekatan_ discovery	-5.496 [*]	2.719	.048	-10.952	-.039

Based on estimated marginal means

*. The mean difference is significant at the ,05 level.

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.
Pillai's trace	.154	4.653 ^a	2.000	51.000	.014
Wilks' lambda	.846	4.653 ^a	2.000	51.000	.014
Hotelling's trace	.182	4.653 ^a	2.000	51.000	.014
Roy's largest root	.182	4.653 ^a	2.000	51.000	.014

Each F tests the multivariate effect of pendekatan. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Univariate Tests

Dependent Variable		Sum of Squares	df	Mean Square	F	Sig.
kinerja_ilmiah	Contrast	350.116	1	350.116	6.453	.014
	Error	2821.523	52	54.260		
KBK_kognitif	Contrast	407.770	1	407.770	4.085	.048
	Error	5190.600	52	99.819		

The F tests the effect of pendekatan. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.