

DATA STUDENT

Student	Experiment	Control1	Control2
S1	90	88	86
S1	83,33	81,33	79,33
S3	83,33	81,33	79,33
S4	86,67	84,67	82,67
S5	84	82	80
S6	86,67	84,67	82,67
S7	96,67	94,67	92,67
S8	95	93	91
S9	86,67	84,67	82,67
S10	83,33	81,33	79,33
S11	76,67	74,67	72,67
S12	73,33	71,33	69,33
S13	86,67	84,67	82,67
S14	83,33	81,33	79,33
S15	90	88	86
S16	93,33	91,33	89,33
S17	87	85	83
S18	83,33	81,33	79,33
S19	83,33	81,33	79,33
S20	86,67	84,67	82,67
S21	80	78	76
S22	90	88	86
S23	90	88	86
S24	73,33	71,33	69,33
S25	96,67	94,67	92,67
S26	76,67	74,67	72,67
S27	93,33	91,33	89,33
S28	93,33	91,33	89,33
S29	83,33	81,33	79,33
S30	76,67	74,67	72,67
S31	80	78	76
S32	81	79	77
S33	80	78	76
S34	90	88	86
S35	83,33	81,33	79,33
S36	83,33	81,33	79,33
S37	86,67	84,67	82,67
S38	83,33	81,33	79,33
S39	92	90	88
S40	93	91	89

DATA ANALYSIS

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Group	N	Percent	N	Percent	N	Percent
Score	Experiment	40	100.0%	0	0.0%	40	100.0%
	Control 1	40	100.0%	0	0.0%	40	100.0%
	Control 2	40	100.0%	0	0.0%	40	100.0%

Descriptives

	Group	Statistic		Std. Error
Score	Experiment	Mean	85.6330	.95531
		95% Confidence Interval for Mean	Lower Bound	83.7007
			Upper Bound	87.5653
		5% Trimmed Mean	85.7033	
		Median	85.3350	
		Variance	36.505	
		Std. Deviation	6.04191	
		Minimum	73.33	
		Maximum	96.67	
		Range	23.34	
		Interquartile Range	6.67	
		Skewness	-.084	.374
		Kurtosis	-.479	.733
	Control 1	Mean	83.6330	.95531
		95% Confidence Interval for Mean	Lower Bound	81.7007
			Upper Bound	85.5653
		5% Trimmed Mean	83.7033	

	Median	83.3350	
	Variance	36.505	
	Std. Deviation	6.04191	
	Minimum	71.33	
	Maximum	94.67	
	Range	23.34	
	Interquartile Range	6.67	
	Skewness	-.084	.374
	Kurtosis	-.479	.733
Control 2	Mean	81.6330	.95531
	95% Confidence Interval for Mean	Lower Bound	79.7007
		Upper Bound	83.5653
	5% Trimmed Mean	81.7033	
	Median	81.3350	
	Variance	36.505	
	Std. Deviation	6.04191	
	Minimum	69.33	
	Maximum	92.67	
	Range	23.34	
	Interquartile Range	6.67	
	Skewness	-.084	.374
	Kurtosis	-.479	.733

Tests of Normality

	Group	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Score	Experiment	.127	40	.106	.964	40	.237
	Control 1	.127	40	.106	.964	40	.237

Control 2	.127	40	.106	.964	40	.237
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a. Lilliefors Significance Correction

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Score	Based on Mean	.000	2	117	1.000
	Based on Median	.000	2	117	1.000
	Based on Median and with adjusted df	.000	2	117.000	1.000
	Based on trimmed mean	.000	2	117	1.000

ANOVA

Score

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	320.000	2	160.000	4.383	.015
Within Groups	4271.052	117	36.505		
Total	4591.052	119			

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Score	Based on Mean	.000	2	117	1.000
	Based on Median	.000	2	117	1.000

Based on Median and with adjusted df	.000	2	117.000	1.000
Based on trimmed mean	.000	2	117	1.000

ANOVA

Score

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	320.000	2	160.000	4.383	.015
Within Groups	4271.052	117	36.505		
Total	4591.052	119			

Post Hoc Tests

Multiple Comparisons

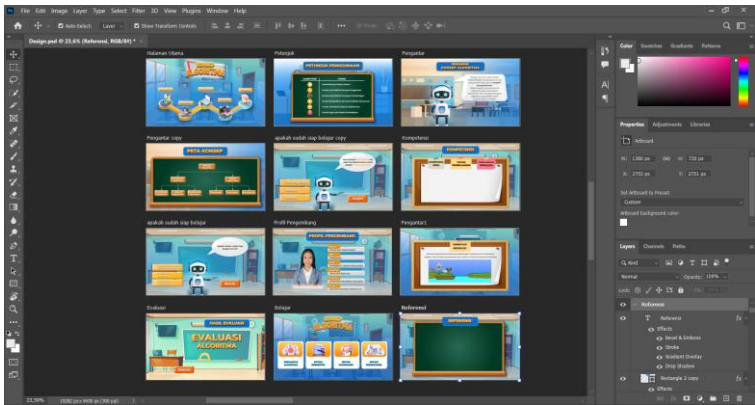
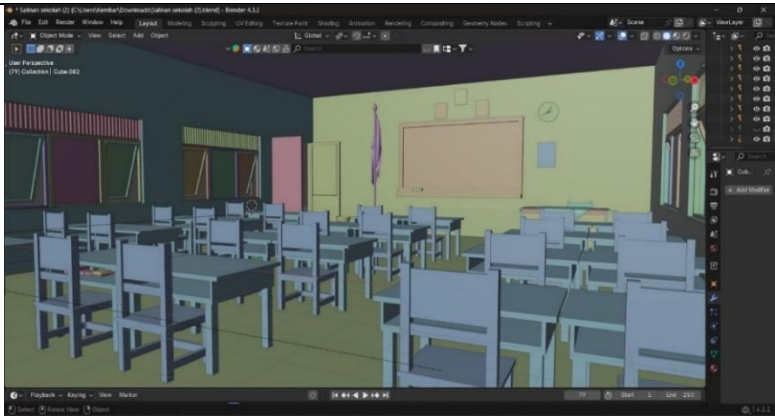
Dependent Variable: Score

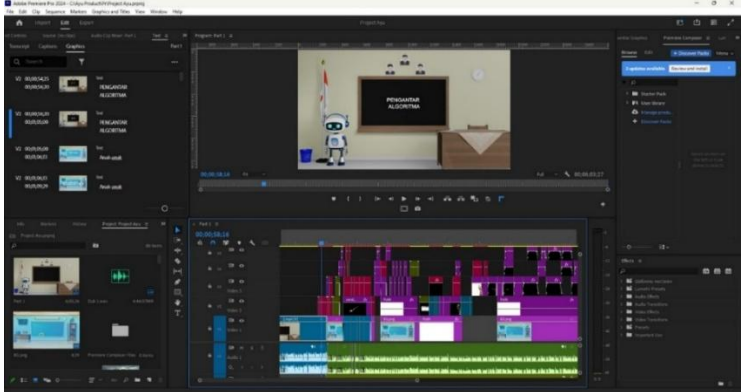
Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Experiment	Control 1	2.00000	1.35101	.424	-1.2815	5.2815
	Control 2	4.00000*	1.35101	.011	.7185	7.2815
Control 1	Experiment	-2.00000	1.35101	.424	-5.2815	1.2815
	Control 2	2.00000	1.35101	.424	-1.2815	5.2815
Control 2	Experiment	-4.00000*	1.35101	.011	-7.2815	-.7185
	Control 1	-2.00000	1.35101	.424	-5.2815	1.2815

*. The mean difference is significant at the 0.05 level.

INTERACTIVE MEDIA DEVELOPMENT

NO	PROCESS	PICTURE
1	Creating learning media designs with Adobe Illustrator	
2	Creating an interface display using Adobe Photoshop software	
3	Creating animations and backgrounds in learning videos with Blender.	

4	The process of producing learning videos with Adobe Premiere Pro software.	
5	The process of creating interactive media using Adobe Captivate.	

PICTURE

