

## Univariate Analysis of Variance

### Notes

Output Created		10-JAN-2021 20:37:22
Comments		
Input	Data	D:\ELEX2020\2020-2021\Data\Anava2.sav
	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	60
	Missing Value Handling	Definition of Missing
Cases Used		Statistics are based on all cases with valid data for all variables in the model.
Syntax	<pre> UNIANOVA Berat BY Jenis Tipe   /METHOD=SSTYPE(3)   /INTERCEPT=INCLUDE   /POSTHOC=Jenis Tipe(TUKEY LSD)  /PLOT=PROFILE(Tipe*Jenis) TYPE=LINE ERRORBAR=NO MEANREFERENCE=YES YAXIS=AUTO   /PRINT DESCRIPTIVE HOMOGENEITY   /CRITERIA=ALPHA(.01)   /DESIGN=Jenis Tipe Jenis*Tipe.           </pre>	
Resources	Processor Time	00:00:00.13
	Elapsed Time	00:00:00.12

### Warnings

Post hoc tests are not performed for Jenis Diet because there are fewer than three groups.

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### Between-Subjects Factors

		Value Label	N
Jenis Diet	1	Tinggi	30
	2	Rendah	30
Tipe Diet	1	Daging sapi	20
	2	Daging babi	20
	3	Sereal	20

### Descriptive Statistics

Dependent Variable: Kenaikan Berat Badan

Jenis Diet	Tipe Diet	Mean	Std. Deviation	N
Tinggi	Daging sapi	100.00	15.136	10
	Daging babi	99.50	10.916	10
	Sereal	85.90	15.022	10
	Total	95.13	14.908	30
Rendah	Daging sapi	79.20	13.887	10
	Daging babi	78.70	16.547	10
	Sereal	83.90	15.709	10
	Total	80.60	15.069	30
Total	Daging sapi	89.60	17.712	20
	Daging babi	89.10	17.320	20
	Sereal	84.90	14.994	20
	Total	87.87	16.570	60

### Levene's Test of Equality of Error Variances<sup>a,b</sup>

		Levene Statistic	df1	df2	
Kenaikan Berat Badan	Based on Mean	.478	5	54	
	Based on Median	.394	5	54	
	Based on Median and with adjusted df	.394	5	48.502	

Based on trimmed mean	.468	5	54	
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### Tests of Between-Subjects Effects

Dependent Variable: Kenaikan Berat Badan

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4612.933 <sup>a</sup>	5	922.587	4.300	.002
Intercept	463233.067	1	463233.067	2159.036	.000
Jenis	3168.267	1	3168.267	14.767	.000
Tipe	266.533	2	133.267	.621	.541
Jenis * Tipe	1178.133	2	589.067	2.746	.073
Error	11586.000	54	214.556		
Total	479432.000	60			
Corrected Total	16198.933	59			

a. R Squared = .285 (Adjusted R Squared = .219)

### Post Hoc Tests

#### Tipe Diet

#### Multiple Comparisons

Dependent Variable: Kenaikan Berat Badan

	(I) Tipe Diet	(J) Tipe Diet	Mean Difference (I-J)	Std. Error	Sig.	99% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	Daging sapi	Daging babi	.50	4.632	.994	-13.59	14.59
		Sereal	4.70	4.632	.571	-9.39	18.39
	Daging babi	Daging sapi	-.50	4.632	.994	-14.59	13.59
		Sereal	4.20	4.632	.638	-9.89	15.49
	Sereal	Daging sapi	-4.70	4.632	.571	-18.79	9.39

		Daging babi	-4.20	4.632	.638	-18.29	
LSD	Daging sapi	Daging babi	.50	4.632	.914	-11.87	
		Sereal	4.70	4.632	.315	-7.67	
	Daging babi	Daging sapi	-.50	4.632	.914	-12.87	
		Sereal	4.20	4.632	.369	-8.17	
	Sereal	Daging sapi	-4.70	4.632	.315	-17.07	
		Daging babi	-4.20	4.632	.369	-16.57	

## Homogeneous Subsets

### Kenaikan Berat Badan

		Tipe Diet	N	Subset
				1
Tukey HSD <sup>a,b</sup>	Sereal		20	84.90
	Daging babi		20	89.10
	Daging sapi		20	89.60
	Sig.			.571

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 214.556.

a. Uses Harmonic Mean Sample Size = 20.000.

b. Alpha = .01.

## Profile Plots

