LAMPIRAN

PROSES PENELITIAN

	
Penyediaan Simplisia Mengkudu (*Morinda citrifolia L*) Buah mengkudu yang tingkat kematangan cukup sebanyak 5 kg diiris tipis-tipis (bijinya dibuang) kemudian dijemur sampai kering. Kemudian ditimbang sebanyak 100 gram yang akan dilakukan proses maserasi	Penyediaan Simplisia Daun Insulin (*Smallanthus sonchifolius)* Simplisia daun insulin (*Smallanthus sonchifolius)* dibeli online di toko indoplant di kota Yogyakarta, kemudian ditimbang sebanyak 100 gram untuk dilakukan maserasi.

	
Proses Maserasi Mengkudu dan daun insulin	Tahap 3. Proses rotary evaporasi Maserat lalu diuapkan dengan rotary evaporator dengan suhu 40-50 ^{o}C sampai didapat ekstrak yang kental.
	
Proses pemanasan menggunakan waterbath Maserat yang sudah kental dipanaskan dengan menggunakan waterbath hingga didapat kerak bubuk dari ekstrak yang kental tadi.	Persiapan mencit 48 mencit dipisahkan sesuai perlakuan di masing-masing kandang (setiap perlakuan ada 4 mencit dalam 1 kandang yang telah disekat, 3 mencit untuk pengulangan, 1 untuk cadangan jika ada yang mati). Lakukan proses aklimatisasi selama 7 hari. Pemberian makan minum normal.

	
Pengukuran berat mencit sebelum perlakuan	Pengukuran gula darah sebelum perlakuan
	
Injeksi alloxan selama 3 hari	Pengukuran gula darah setelah injeksi alloxan

	
Pengukuran berat mencit setelah perlakuan	Pengukuran gula darah mencit setelah perlakuan
	
Pembedahan	Pengamatan mikroskopis

KADAR GULA DARAH

Oneway

Notes

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	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.

Syntax		ONEWAY HASIL BY PERLAKUAN /STATISTICS DESCRIPTIVES HOMOGENEITY /PLOT MEANS /MISSING ANALYSIS /POSTHOC=DUNCAN LSD ALPHA(0.05).
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Descriptives

KADAR GULA DARAH

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
P1	3	8.00	1.000	.577	5.52	10.48	7	9
P2	3	10.00	2.000	1.155	5.03	14.97	8	12
P3	3	73.00	3.000	1.732	65.55	80.45	70	76
P4	3	77.00	1.000	.577	74.52	79.48	76	78
P5	3	77.33	2.082	1.202	72.16	82.50	75	79
P6	3	91.00	2.000	1.155	86.03	95.97	89	93
P7	3	86.67	2.082	1.202	81.50	91.84	85	89
P8	3	78.00	2.000	1.155	73.03	82.97	76	80
P9	3	82.00	.000	.000	82.00	82.00	82	82

P10	3	76.00	2.000	1.155	71.03	80.97	74	78
P11	3	94.00	2.000	1.155	89.03	98.97	92	96
P12	3	78.00	.000	.000	78.00	78.00	78	78
Total	36	69.25	28.048	4.675	59.76	78.74	7	96

Test of Homogeneity of Variances

KADAR GULA DARAH

Levene Statistic	df1	df2	Sig.
1.196	11	24	.341

ANOVA

KADAR GULA DARAH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	27455.417	11	2495.947	755.076	.000
Within Groups	79.333	24	3.306		
Total	27534.750	35			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: KADAR GULA DARAH

	(I) PERLAKUAN	(J) PERLAKUAN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	P1	P2	-2.000	1.484	.190	-5.06	1.06
		P3	-65.000*	1.484	.000	-68.06	-61.94
		P4	-69.000*	1.484	.000	-72.06	-65.94
		P5	-69.333*	1.484	.000	-72.40	-66.27
		P6	-83.000*	1.484	.000	-86.06	-79.94
		P7	-78.667*	1.484	.000	-81.73	-75.60
		P8	-70.000*	1.484	.000	-73.06	-66.94
		P9	-74.000*	1.484	.000	-77.06	-70.94
		P10	-68.000*	1.484	.000	-71.06	-64.94
		P11	-86.000*	1.484	.000	-89.06	-82.94
		P12	-70.000*	1.484	.000	-73.06	-66.94
	P2	P1	2.000	1.484	.190	-1.06	5.06
		P3	-63.000*	1.484	.000	-66.06	-59.94
		P4	-67.000*	1.484	.000	-70.06	-63.94

	P5	-67.333*	1.484	.000	-70.40	-64.27
	P6	-81.000*	1.484	.000	-84.06	-77.94
	P7	-76.667*	1.484	.000	-79.73	-73.60
	P8	-68.000*	1.484	.000	-71.06	-64.94
	P9	-72.000*	1.484	.000	-75.06	-68.94
	P10	-66.000*	1.484	.000	-69.06	-62.94
	P11	-84.000*	1.484	.000	-87.06	-80.94
	P12	-68.000*	1.484	.000	-71.06	-64.94
	P1	65.000*	1.484	.000	61.94	68.06
	P2	63.000*	1.484	.000	59.94	66.06
	P4	-4.000*	1.484	.013	-7.06	-.94
	P5	-4.333*	1.484	.008	-7.40	-1.27
	P6	-18.000*	1.484	.000	-21.06	-14.94
P3	P7	-13.667*	1.484	.000	-16.73	-10.60
	P8	-5.000*	1.484	.003	-8.06	-1.94
	P9	-9.000*	1.484	.000	-12.06	-5.94
	P10	-3.000	1.484	.055	-6.06	.06
	P11	-21.000*	1.484	.000	-24.06	-17.94
	P12	-5.000*	1.484	.003	-8.06	-1.94
	P1	69.000*	1.484	.000	65.94	72.06
	P2	67.000*	1.484	.000	63.94	70.06
	P3	4.000*	1.484	.013	.94	7.06
P4	P5	-.333	1.484	.824	-3.40	2.73
	P6	-14.000*	1.484	.000	-17.06	-10.94
	P7	-9.667*	1.484	.000	-12.73	-6.60

	P8	-1.000	1.484	.507	-4.06	2.06
	P9	-5.000*	1.484	.003	-8.06	-1.94
	P10	1.000	1.484	.507	-2.06	4.06
	P11	-17.000*	1.484	.000	-20.06	-13.94
	P12	-1.000	1.484	.507	-4.06	2.06
	P1	69.333*	1.484	.000	66.27	72.40
	P2	67.333*	1.484	.000	64.27	70.40
	P3	4.333*	1.484	.008	1.27	7.40
	P4	.333	1.484	.824	-2.73	3.40
	P6	-13.667*	1.484	.000	-16.73	-10.60
P5	P7	-9.333*	1.484	.000	-12.40	-6.27
	P8	-.667	1.484	.657	-3.73	2.40
	P9	-4.667*	1.484	.004	-7.73	-1.60
	P10	1.333	1.484	.378	-1.73	4.40
	P11	-16.667*	1.484	.000	-19.73	-13.60
	P12	-.667	1.484	.657	-3.73	2.40
	P1	83.000*	1.484	.000	79.94	86.06
	P2	81.000*	1.484	.000	77.94	84.06
	P3	18.000*	1.484	.000	14.94	21.06
	P4	14.000*	1.484	.000	10.94	17.06
P6	P5	13.667*	1.484	.000	10.60	16.73
	P7	4.333*	1.484	.008	1.27	7.40
	P8	13.000*	1.484	.000	9.94	16.06
	P9	9.000*	1.484	.000	5.94	12.06
	P10	15.000*	1.484	.000	11.94	18.06

	P11	-3.000	1.484	.055	-6.06	.06
	P12	13.000*	1.484	.000	9.94	16.06
	P1	78.667*	1.484	.000	75.60	81.73
	P2	76.667*	1.484	.000	73.60	79.73
	P3	13.667*	1.484	.000	10.60	16.73
	P4	9.667*	1.484	.000	6.60	12.73
	P5	9.333*	1.484	.000	6.27	12.40
P7	P6	-4.333*	1.484	.008	-7.40	-1.27
	P8	8.667*	1.484	.000	5.60	11.73
	P9	4.667*	1.484	.004	1.60	7.73
	P10	10.667*	1.484	.000	7.60	13.73
	P11	-7.333*	1.484	.000	-10.40	-4.27
	P12	8.667*	1.484	.000	5.60	11.73
	P1	70.000*	1.484	.000	66.94	73.06
	P2	68.000*	1.484	.000	64.94	71.06
	P3	5.000*	1.484	.003	1.94	8.06
	P4	1.000	1.484	.507	-2.06	4.06
	P5	.667	1.484	.657	-2.40	3.73
P8	P6	-13.000*	1.484	.000	-16.06	-9.94
	P7	-8.667*	1.484	.000	-11.73	-5.60
	P9	-4.000*	1.484	.013	-7.06	-.94
	P10	2.000	1.484	.190	-1.06	5.06
	P11	-16.000*	1.484	.000	-19.06	-12.94
	P12	.000	1.484	1.000	-3.06	3.06
P9	P1	74.000*	1.484	.000	70.94	77.06

	P2	72.000*	1.484	.000	68.94	75.06
	P3	9.000*	1.484	.000	5.94	12.06
	P4	5.000*	1.484	.003	1.94	8.06
	P5	4.667*	1.484	.004	1.60	7.73
	P6	-9.000*	1.484	.000	-12.06	-5.94
	P7	-4.667*	1.484	.004	-7.73	-1.60
	P8	4.000*	1.484	.013	.94	7.06
	P10	6.000*	1.484	.000	2.94	9.06
	P11	-12.000*	1.484	.000	-15.06	-8.94
	P12	4.000*	1.484	.013	.94	7.06
	P1	68.000*	1.484	.000	64.94	71.06
	P2	66.000*	1.484	.000	62.94	69.06
	P3	3.000	1.484	.055	-.06	6.06
	P4	-1.000	1.484	.507	-4.06	2.06
	P5	-1.333	1.484	.378	-4.40	1.73
P10	P6	-15.000*	1.484	.000	-18.06	-11.94
	P7	-10.667*	1.484	.000	-13.73	-7.60
	P8	-2.000	1.484	.190	-5.06	1.06
	P9	-6.000*	1.484	.000	-9.06	-2.94
	P11	-18.000*	1.484	.000	-21.06	-14.94
	P12	-2.000	1.484	.190	-5.06	1.06
	P1	86.000*	1.484	.000	82.94	89.06
	P2	84.000*	1.484	.000	80.94	87.06
P11	P3	21.000*	1.484	.000	17.94	24.06
	P4	17.000*	1.484	.000	13.94	20.06

	P5	16.667*	1.484	.000	13.60	19.73
	P6	3.000	1.484	.055	-.06	6.06
	P7	7.333*	1.484	.000	4.27	10.40
	P8	16.000*	1.484	.000	12.94	19.06
	P9	12.000*	1.484	.000	8.94	15.06
	P10	18.000*	1.484	.000	14.94	21.06
	P12	16.000*	1.484	.000	12.94	19.06
	P1	70.000*	1.484	.000	66.94	73.06
	P2	68.000*	1.484	.000	64.94	71.06
	P3	5.000*	1.484	.003	1.94	8.06
	P4	1.000	1.484	.507	-2.06	4.06
	P5	.667	1.484	.657	-2.40	3.73
P12	P6	-13.000*	1.484	.000	-16.06	-9.94
	P7	-8.667*	1.484	.000	-11.73	-5.60
	P8	.000	1.484	1.000	-3.06	3.06
	P9	-4.000*	1.484	.013	-7.06	-.94
	P10	2.000	1.484	.190	-1.06	5.06
	P11	-16.000*	1.484	.000	-19.06	-12.94

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

Homogeneous Subsets

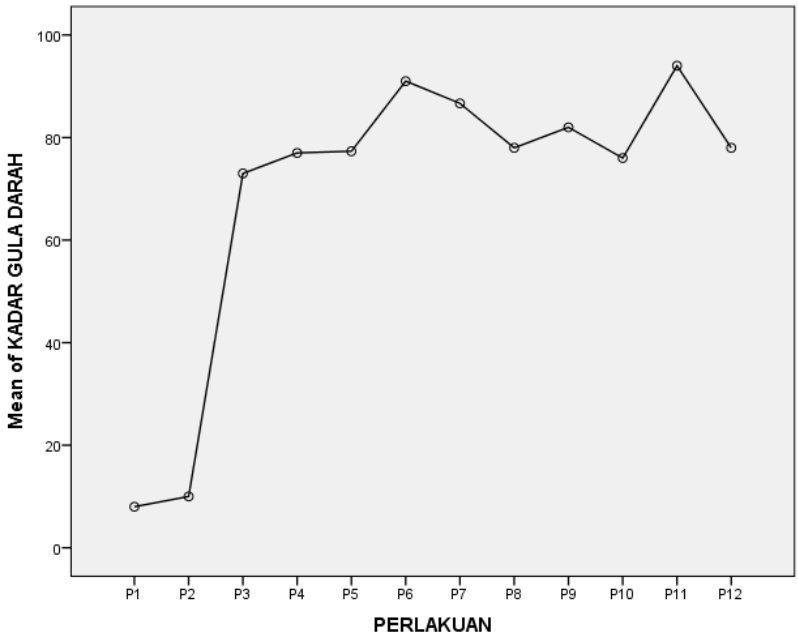
KADAR GULA DARAH

	PERLAKUAN	N	Subset for alpha = 0.05					
			1	2	3	4	5	6
Duncan[a]	P1	3	8.00					
	P2	3	10.00					
	P3	3		73.00				
	P10	3		76.00	76.00			
	P4	3			77.00			
	P5	3			77.33			
	P8	3			78.00			
	P12	3			78.00			
	P9	3				82.00		
	P7	3					86.67	
	P6	3						91.00
	P11	3						94.00
	Sig.		.190	.055	.239	1.000	1.000	.055

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Means Plots


Mean of KADAR GULA DARAH
100
80
60
40
20
0
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
P12
PERLAKUAN

Konsentrasi

Oneway

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.

Syntax		ONEWAY HASIL BY PERLAKUAN /STATISTICS DESCRIPTIVES HOMOGENEITY /PLOT MEANS /MISSING ANALYSIS /POSTHOC=DUNCAN LSD ALPHA(0.05).
Resources	Processor Time	00:00:00,55
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Descriptives

JUMLAH KONSENTRASI

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
P1	3	266.8300	1.00000	.57735	264.3459	269.3141	265.83	267.83
P2	3	185.3333	.66501	.38394	183.6814	186.9853	184.67	186.00
P3	3	248.3333	.16503	.09528	247.9234	248.7433	248.17	248.50
P4	3	228.7500	.92000	.53116	226.4646	231.0354	227.83	229.67
P5	3	238.3333	.33501	.19342	237.5011	239.1656	238.00	238.67

P6	3	248.6667	1.16500	.67262	245.7726	251.5607	247.50	249.83
P7	3	217.9400	17.44000	10.06899	174.6166	261.2634	200.50	235.38
P8	3	214.3333	.66501	.38394	212.6814	215.9853	213.67	215.00
P9	3	226.0800	1.25000	.72169	222.9748	229.1852	224.83	227.33
P10	3	238.0833	.41501	.23961	237.0524	239.1143	237.67	238.50
P11	3	226.1667	2.83500	1.63679	219.1241	233.2092	223.33	229.00
P12	3	203.1667	1.16500	.67262	200.2726	206.0607	202.00	204.33
Total	36	228.5014	21.71141	3.61857	221.1553	235.8475	184.67	267.83

Test of Homogeneity of Variances

JUMLAH KONSENTRASI

Levene Statistic	df1	df2	Sig.
3.470	11	24	.005

ANOVA

JUMLAH KONSENTRASI

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	15859.468	11	1441.770	54.149	.000
Within Groups	639.021	24	26.626		
Total	16498.489	35			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: JUMLAH KONSENTRASI

	(I) PERLAKUAN	(J) PERLAKUAN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	P1	P2	81.49667*	4.21314	.000	72.8012	90.1922
		P3	18.49667*	4.21314	.000	9.8012	27.1922
		P4	38.08000*	4.21314	.000	29.3845	46.7755
		P5	28.49667*	4.21314	.000	19.8012	37.1922
		P6	18.16333*	4.21314	.000	9.4678	26.8588
		P7	48.89000*	4.21314	.000	40.1945	57.5855
		P8	52.49667*	4.21314	.000	43.8012	61.1922
		P9	40.75000*	4.21314	.000	32.0545	49.4455
		P10	28.74667*	4.21314	.000	20.0512	37.4422
		P11	40.66333*	4.21314	.000	31.9678	49.3588

P2	P12	63.66333*	4.21314	.000	54.9678	72.3588
	P1	-81.49667*	4.21314	.000	-90.1922	-72.8012
	P3	-63.00000*	4.21314	.000	-71.6955	-54.3045
	P4	-43.41667*	4.21314	.000	-52.1122	-34.7212
	P5	-53.00000*	4.21314	.000	-61.6955	-44.3045
	P6	-63.33333*	4.21314	.000	-72.0288	-54.6378
	P7	-32.60667*	4.21314	.000	-41.3022	-23.9112
	P8	-29.00000*	4.21314	.000	-37.6955	-20.3045
	P9	-40.74667*	4.21314	.000	-49.4422	-32.0512

P3	P10	-52.75000*	4.21314	.000	-61.4455	-44.0545
	P11	-40.83333*	4.21314	.000	-49.5288	-32.1378
	P12	-17.83333*	4.21314	.000	-26.5288	-9.1378
	P1	-18.49667*	4.21314	.000	-27.1922	-9.8012
	P2	63.00000*	4.21314	.000	54.3045	71.6955
	P4	19.58333*	4.21314	.000	10.8878	28.2788
	P5	10.00000*	4.21314	.026	1.3045	18.6955
	P6	-.33333	4.21314	.938	-9.0288	8.3622
	P7	30.39333*	4.21314	.000	21.6978	39.0888
	P8	34.00000*	4.21314	.000	25.3045	42.6955
	P9	22.25333*	4.21314	.000	13.5578	30.9488
	P10	10.25000*	4.21314	.023	1.5545	18.9455

P4	P11	22.16667*	4.21314	.000	13.4712	30.8622
	P12	45.16667*	4.21314	.000	36.4712	53.8622
	P1	-38.08000*	4.21314	.000	-46.7755	-29.3845
	P2	43.41667*	4.21314	.000	34.7212	52.1122
	P3	-19.58333*	4.21314	.000	-28.2788	-10.8878
	P5	-9.58333*	4.21314	.032	-18.2788	-.8878
	P6	-19.91667*	4.21314	.000	-28.6122	-11.2212
	P7	10.81000*	4.21314	.017	2.1145	19.5055
	P8	14.41667*	4.21314	.002	5.7212	23.1122
	P9	2.67000	4.21314	.532	-6.0255	11.3655
	P10	-9.33333*	4.21314	.036	-18.0288	-.6378
	P11	2.58333	4.21314	.546	-6.1122	11.2788

P5	P12	25.58333*	4.21314	.000	16.8878	34.2788
	P1	-28.49667*	4.21314	.000	-37.1922	-19.8012
	P2	53.00000*	4.21314	.000	44.3045	61.6955
	P3	-10.00000*	4.21314	.026	-18.6955	-1.3045
	P4	9.58333*	4.21314	.032	.8878	18.2788
	P6	-10.33333*	4.21314	.022	-19.0288	-1.6378
	P7	20.39333*	4.21314	.000	11.6978	29.0888
	P8	24.00000*	4.21314	.000	15.3045	32.6955
	P9	12.25333*	4.21314	.008	3.5578	20.9488
	P10	.25000	4.21314	.953	-8.4455	8.9455
	P11	12.16667*	4.21314	.008	3.4712	20.8622
	P12	35.16667*	4.21314	.000	26.4712	43.8622

	P1	-18.16333*	4.21314	.000	-26.8588	-9.4678
	P2	63.33333*	4.21314	.000	54.6378	72.0288
	P3	.33333	4.21314	.938	-8.3622	9.0288
	P4	19.91667*	4.21314	.000	11.2212	28.6122
	P5	10.33333*	4.21314	.022	1.6378	19.0288
P6	P7	30.72667*	4.21314	.000	22.0312	39.4222
	P8	34.33333*	4.21314	.000	25.6378	43.0288
	P9	22.58667*	4.21314	.000	13.8912	31.2822
	P10	10.58333*	4.21314	.019	1.8878	19.2788
	P11	22.50000*	4.21314	.000	13.8045	31.1955
	P12	45.50000*	4.21314	.000	36.8045	54.1955
P7	P1	-48.89000*	4.21314	.000	-57.5855	-40.1945

	P2	32.60667*	4.21314	.000	23.9112	41.3022
	P3	-30.39333*	4.21314	.000	-39.0888	-21.6978
	P4	-10.81000*	4.21314	.017	-19.5055	-2.1145
	P5	-20.39333*	4.21314	.000	-29.0888	-11.6978
	P6	-30.72667*	4.21314	.000	-39.4222	-22.0312
	P8	3.60667	4.21314	.400	-5.0888	12.3022
	P9	-8.14000	4.21314	.065	-16.8355	.5555
	P10	-20.14333*	4.21314	.000	-28.8388	-11.4478
	P11	-8.22667	4.21314	.063	-16.9222	.4688
	P12	14.77333*	4.21314	.002	6.0778	23.4688
P8	P1	-52.49667*	4.21314	.000	-61.1922	-43.8012

P2	29.00000*	4.21314	.000	20.3045	37.6955
P3	-34.00000*	4.21314	.000	-42.6955	-25.3045
P4	-14.41667*	4.21314	.002	-23.1122	-5.7212
P5	-24.00000*	4.21314	.000	-32.6955	-15.3045
P6	-34.33333*	4.21314	.000	-43.0288	-25.6378
P7	-3.60667	4.21314	.400	-12.3022	5.0888
P9	-11.74667*	4.21314	.010	-20.4422	-3.0512
P10	-23.75000*	4.21314	.000	-32.4455	-15.0545
P11	-11.83333*	4.21314	.010	-20.5288	-3.1378
P12	11.16667*	4.21314	.014	2.4712	19.8622

P9	P1	-40.75000*	4.21314	.000	-49.4455	-32.0545
	P2	40.74667*	4.21314	.000	32.0512	49.4422
	P3	-22.25333*	4.21314	.000	-30.9488	-13.5578
	P4	-2.67000	4.21314	.532	-11.3655	6.0255
	P5	-12.25333*	4.21314	.008	-20.9488	-3.5578
	P6	-22.58667*	4.21314	.000	-31.2822	-13.8912
	P7	8.14000	4.21314	.065	-.5555	16.8355
	P8	11.74667*	4.21314	.010	3.0512	20.4422
	P10	-12.00333*	4.21314	.009	-20.6988	-3.3078
	P11	-.08667	4.21314	.984	-8.7822	8.6088
	P12	22.91333*	4.21314	.000	14.2178	31.6088

	P1	-28.74667*	4.21314	.000	-37.4422	-20.0512
	P2	52.75000*	4.21314	.000	44.0545	61.4455
	P3	-10.25000*	4.21314	.023	-18.9455	-1.5545
	P4	9.33333*	4.21314	.036	.6378	18.0288
	P5	-.25000	4.21314	.953	-8.9455	8.4455
P10	P6	-10.58333*	4.21314	.019	-19.2788	-1.8878
	P7	20.14333*	4.21314	.000	11.4478	28.8388
	P8	23.75000*	4.21314	.000	15.0545	32.4455
	P9	12.00333*	4.21314	.009	3.3078	20.6988
	P11	11.91667*	4.21314	.009	3.2212	20.6122
	P12	34.91667*	4.21314	.000	26.2212	43.6122
P11	P1	-40.66333*	4.21314	.000	-49.3588	-31.9678

	P2	40.83333*	4.21314	.000	32.1378	49.5288
	P3	-22.16667*	4.21314	.000	-30.8622	-13.4712
	P4	-2.58333	4.21314	.546	-11.2788	6.1122
	P5	-12.16667*	4.21314	.008	-20.8622	-3.4712
	P6	-22.50000*	4.21314	.000	-31.1955	-13.8045
	P7	8.22667	4.21314	.063	-.4688	16.9222
	P8	11.83333*	4.21314	.010	3.1378	20.5288
	P9	.08667	4.21314	.984	-8.6088	8.7822
	P10	-11.91667*	4.21314	.009	-20.6122	-3.2212
	P12	23.00000*	4.21314	.000	14.3045	31.6955
P12	P1	-63.66333*	4.21314	.000	-72.3588	-54.9678

	P2	17.83333*	4.21314	.000	9.1378	26.5288
	P3	-45.16667*	4.21314	.000	-53.8622	-36.4712
	P4	-25.58333*	4.21314	.000	-34.2788	-16.8878
	P5	-35.16667*	4.21314	.000	-43.8622	-26.4712
	P6	-45.50000*	4.21314	.000	-54.1955	-36.8045
	P7	-14.77333*	4.21314	.002	-23.4688	-6.0778
	P8	-11.16667*	4.21314	.014	-19.8622	-2.4712
	P9	-22.91333*	4.21314	.000	-31.6088	-14.2178
	P10	-34.91667*	4.21314	.000	-43.6122	-26.2212

	P11	-23.00000*	4.21314	.000	-31.6955	-14.3045

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

Homogeneous Subsets

JUMLAH KONSENTRASI

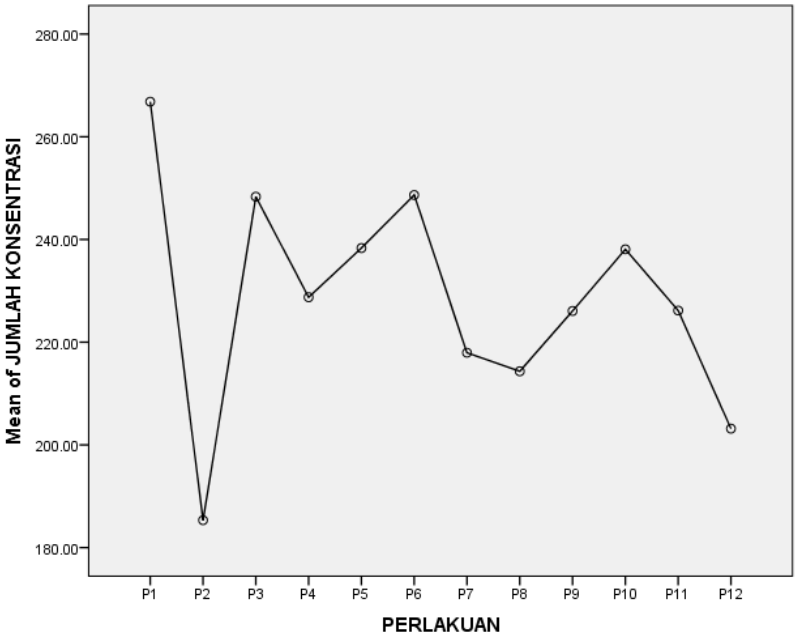
	PERLAKUAN	N	Subset for alpha = 0.05							
			1	2	3	4	5	6	7	8
Duncan[a]	P2	3	185.3333							
	P12	3		203.1667						
	P8	3			214.3333					
	P7	3			217.9400	217.9400				
	P9	3				226.0800	226.0800			
	P11	3				226.1667	226.1667			
	P4	3					228.7500			
	P10	3						238.0833		

	P5	3						238.333		
	P3	3							248.333	
	P6	3							248.667	
	P1	3								266.800
	Sig.		1.000	1.000	.400	.076	.556	.953	.938	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Means Plots



Morfologi

Oneway

Notes

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Descriptives

MORFOLOGI

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
P1	3	89.33	1.528	.882	85.54	93.13	88	91
P2	3	82.00	1.000	.577	79.52	84.48	81	83
P3	3	88.67	1.528	.882	84.87	92.46	87	90
P4	3	86.00	1.000	.577	83.52	88.48	85	87
P5	3	86.00	1.000	.577	83.52	88.48	85	87
P6	3	89.33	1.528	.882	85.54	93.13	88	91
P7	3	86.00	1.000	.577	83.52	88.48	85	87
P8	3	83.67	2.082	1.202	78.50	88.84	82	86
P9	3	85.67	1.528	.882	81.87	89.46	84	87
P10	3	87.00	2.000	1.155	82.03	91.97	85	89
P11	3	86.00	1.000	.577	83.52	88.48	85	87
P12	3	82.00	3.000	1.732	74.55	89.45	79	85
Total	36	85.97	2.762	.460	85.04	86.91	79	91

Test of Homogeneity of Variances

MORFOLOGI

Levene Statistic	df1	df2	Sig.
.754	11	24	.680

ANOVA

MORFOLOGI

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	203.639	11	18.513	7.015	.000
Within Groups	63.333	24	2.639		
Total	266.972	35			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: MORFOLOGI

	(I) PERLAKUAN	(J) PERLAKUAN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	P1	P2	7.333*	1.326	.000	4.60	10.07
		P3	.667	1.326	.620	-2.07	3.40
		P4	3.333*	1.326	.019	.60	6.07
		P5	3.333*	1.326	.019	.60	6.07
		P6	.000	1.326	1.000	-2.74	2.74
		P7	3.333*	1.326	.019	.60	6.07

	P8	5.667*	1.326	.000	2.93	8.40
	P9	3.667*	1.326	.011	.93	6.40
	P10	2.333	1.326	.091	-.40	5.07
	P11	3.333*	1.326	.019	.60	6.07
	P12	7.333*	1.326	.000	4.60	10.07
	P1	-7.333*	1.326	.000	-10.07	-4.60
	P3	-6.667*	1.326	.000	-9.40	-3.93
	P4	-4.000*	1.326	.006	-6.74	-1.26
	P5	-4.000*	1.326	.006	-6.74	-1.26
	P6	-7.333*	1.326	.000	-10.07	-4.60
P2	P7	-4.000*	1.326	.006	-6.74	-1.26
	P8	-1.667	1.326	.221	-4.40	1.07
	P9	-3.667*	1.326	.011	-6.40	-.93
	P10	-5.000*	1.326	.001	-7.74	-2.26
	P11	-4.000*	1.326	.006	-6.74	-1.26
	P12	.000	1.326	1.000	-2.74	2.74
	P1	-.667	1.326	.620	-3.40	2.07
	P2	6.667*	1.326	.000	3.93	9.40
	P4	2.667	1.326	.056	-.07	5.40
P3	P5	2.667	1.326	.056	-.07	5.40
	P6	-.667	1.326	.620	-3.40	2.07
	P7	2.667	1.326	.056	-.07	5.40

	P8	5.000*	1.326	.001	2.26	7.74
	P9	3.000*	1.326	.033	.26	5.74
	P10	1.667	1.326	.221	-1.07	4.40
	P11	2.667	1.326	.056	-.07	5.40
	P12	6.667*	1.326	.000	3.93	9.40
	P1	-3.333*	1.326	.019	-6.07	-.60
	P2	4.000*	1.326	.006	1.26	6.74
	P3	-2.667	1.326	.056	-5.40	.07
	P5	.000	1.326	1.000	-2.74	2.74
	P6	-3.333*	1.326	.019	-6.07	-.60
P4	P7	.000	1.326	1.000	-2.74	2.74
	P8	2.333	1.326	.091	-.40	5.07
	P9	.333	1.326	.804	-2.40	3.07
	P10	-1.000	1.326	.458	-3.74	1.74
	P11	.000	1.326	1.000	-2.74	2.74
	P12	4.000*	1.326	.006	1.26	6.74
	P1	-3.333*	1.326	.019	-6.07	-.60
	P2	4.000*	1.326	.006	1.26	6.74
	P3	-2.667	1.326	.056	-5.40	.07
P5	P4	.000	1.326	1.000	-2.74	2.74
	P6	-3.333*	1.326	.019	-6.07	-.60
	P7	.000	1.326	1.000	-2.74	2.74

	P8	2.333	1.326	.091	-.40	5.07
	P9	.333	1.326	.804	-2.40	3.07
	P10	-1.000	1.326	.458	-3.74	1.74
	P11	.000	1.326	1.000	-2.74	2.74
	P12	4.000*	1.326	.006	1.26	6.74
	P1	.000	1.326	1.000	-2.74	2.74
	P2	7.333*	1.326	.000	4.60	10.07
	P3	.667	1.326	.620	-2.07	3.40
	P4	3.333*	1.326	.019	.60	6.07
	P5	3.333*	1.326	.019	.60	6.07
P6	P7	3.333*	1.326	.019	.60	6.07
	P8	5.667*	1.326	.000	2.93	8.40
	P9	3.667*	1.326	.011	.93	6.40
	P10	2.333	1.326	.091	-.40	5.07
	P11	3.333*	1.326	.019	.60	6.07
	P12	7.333*	1.326	.000	4.60	10.07
	P1	-3.333*	1.326	.019	-6.07	-.60
	P2	4.000*	1.326	.006	1.26	6.74
	P3	-2.667	1.326	.056	-5.40	.07
P7	P4	.000	1.326	1.000	-2.74	2.74
	P5	.000	1.326	1.000	-2.74	2.74
	P6	-3.333*	1.326	.019	-6.07	-.60

	P8	2.333	1.326	.091	-.40	5.07
	P9	.333	1.326	.804	-2.40	3.07
	P10	-1.000	1.326	.458	-3.74	1.74
	P11	.000	1.326	1.000	-2.74	2.74
	P12	4.000*	1.326	.006	1.26	6.74
	P1	-5.667*	1.326	.000	-8.40	-2.93
	P2	1.667	1.326	.221	-1.07	4.40
	P3	-5.000*	1.326	.001	-7.74	-2.26
	P4	-2.333	1.326	.091	-5.07	.40
	P5	-2.333	1.326	.091	-5.07	.40
P8	P6	-5.667*	1.326	.000	-8.40	-2.93
	P7	-2.333	1.326	.091	-5.07	.40
	P9	-2.000	1.326	.145	-4.74	.74
	P10	-3.333*	1.326	.019	-6.07	-.60
	P11	-2.333	1.326	.091	-5.07	.40
	P12	1.667	1.326	.221	-1.07	4.40
	P1	-3.667*	1.326	.011	-6.40	-.93
	P2	3.667*	1.326	.011	.93	6.40
	P3	-3.000*	1.326	.033	-5.74	-.26
P9	P4	-.333	1.326	.804	-3.07	2.40
	P5	-.333	1.326	.804	-3.07	2.40
	P6	-3.667*	1.326	.011	-6.40	-.93

	P7	-.333	1.326	.804	-3.07	2.40
	P8	2.000	1.326	.145	-.74	4.74
	P10	-1.333	1.326	.325	-4.07	1.40
	P11	-.333	1.326	.804	-3.07	2.40
	P12	3.667*	1.326	.011	.93	6.40
	P1	-2.333	1.326	.091	-5.07	.40
	P2	5.000*	1.326	.001	2.26	7.74
	P3	-1.667	1.326	.221	-4.40	1.07
	P4	1.000	1.326	.458	-1.74	3.74
	P5	1.000	1.326	.458	-1.74	3.74
P10	P6	-2.333	1.326	.091	-5.07	.40
	P7	1.000	1.326	.458	-1.74	3.74
	P8	3.333*	1.326	.019	.60	6.07
	P9	1.333	1.326	.325	-1.40	4.07
	P11	1.000	1.326	.458	-1.74	3.74
	P12	5.000*	1.326	.001	2.26	7.74
	P1	-3.333*	1.326	.019	-6.07	-.60
	P2	4.000*	1.326	.006	1.26	6.74
	P3	-2.667	1.326	.056	-5.40	.07
P11	P4	.000	1.326	1.000	-2.74	2.74
	P5	.000	1.326	1.000	-2.74	2.74
	P6	-3.333*	1.326	.019	-6.07	-.60

	P7	.000	1.326	1.000	-2.74	2.74
	P8	2.333	1.326	.091	-.40	5.07
	P9	.333	1.326	.804	-2.40	3.07
	P10	-1.000	1.326	.458	-3.74	1.74
	P12	4.000*	1.326	.006	1.26	6.74
	P1	-7.333*	1.326	.000	-10.07	-4.60
	P2	.000	1.326	1.000	-2.74	2.74
	P3	-6.667*	1.326	.000	-9.40	-3.93
	P4	-4.000*	1.326	.006	-6.74	-1.26
	P5	-4.000*	1.326	.006	-6.74	-1.26
P12	P6	-7.333*	1.326	.000	-10.07	-4.60
	P7	-4.000*	1.326	.006	-6.74	-1.26
	P8	-1.667	1.326	.221	-4.40	1.07
	P9	-3.667*	1.326	.011	-6.40	-.93
	P10	-5.000*	1.326	.001	-7.74	-2.26
	P11	-4.000*	1.326	.006	-6.74	-1.26

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

Homogeneous Subsets

MORFOLOGI

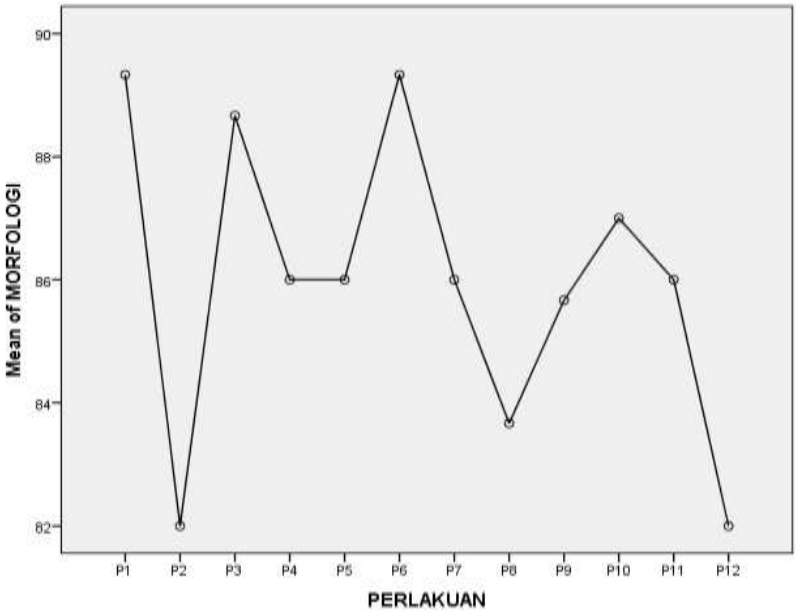
	PERLAKUAN	N	Subset for alpha = 0.05			
			1	2	3	4
Duncan[a]	P2	3	82.00			

	P12	3	82.00			
	P8	3	83.67	83.67		
	P9	3		85.67	85.67	
	P4	3		86.00	86.00	
	P5	3		86.00	86.00	
	P7	3		86.00	86.00	
	P11	3		86.00	86.00	
	P10	3			87.00	87.00
	P3	3			88.67	88.67
	P1	3				89.33
	P6	3				89.33
	Sig.		.247	.133	.058	.119

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Means Plots



Motilitas

Oneway

Notes

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	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
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Descriptives

MOTILITAS

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
P1	3	67.67	3.512	2.028	58.94	76.39	64	71
P2	3	5.00	1.000	.577	2.52	7.48	4	6
P3	3	12.00	1.000	.577	9.52	14.48	11	13
P4	3	6.67	.577	.333	5.23	8.10	6	7
P5	3	9.00	1.000	.577	6.52	11.48	8	10
P6	3	14.00	1.000	.577	11.52	16.48	13	15
P7	3	4.00	1.000	.577	1.52	6.48	3	5
P8	3	6.33	.577	.333	4.90	7.77	6	7
P9	3	6.00	1.000	.577	3.52	8.48	5	7
P10	3	8.33	.577	.333	6.90	9.77	8	9
P11	3	4.00	1.732	1.000	-.30	8.30	3	6
P12	3	5.00	1.000	.577	2.52	7.48	4	6
Total	36	12.33	17.226	2.871	6.50	18.16	3	71

Test of Homogeneity of Variances

MOTILITAS

Levene Statistic	df1	df2	Sig.
1.858	11	24	.099

ANOVA

MOTILITAS

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	10339.333	11	939.939	483.397	.000
Within Groups	46.667	24	1.944		
Total	10386.000	35			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: MOTILITAS

	(I) PERLAKUAN	(J) PERLAKUAN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	P1	P2	62.667*	1.139	.000	60.32	65.02
		P3	55.667*	1.139	.000	53.32	58.02

	P4	61.000*	1.139	.000	58.65	63.35
	P5	58.667*	1.139	.000	56.32	61.02
	P6	53.667*	1.139	.000	51.32	56.02
	P7	63.667*	1.139	.000	61.32	66.02
	P8	61.333*	1.139	.000	58.98	63.68
	P9	61.667*	1.139	.000	59.32	64.02
	P10	59.333*	1.139	.000	56.98	61.68
	P11	63.667*	1.139	.000	61.32	66.02
	P12	62.667*	1.139	.000	60.32	65.02
	P1	-62.667*	1.139	.000	-65.02	-60.32
	P3	-7.000*	1.139	.000	-9.35	-4.65
	P4	-1.667	1.139	.156	-4.02	.68
	P5	-4.000*	1.139	.002	-6.35	-1.65
	P6	-9.000*	1.139	.000	-11.35	-6.65
P2	P7	1.000	1.139	.388	-1.35	3.35
	P8	-1.333	1.139	.253	-3.68	1.02
	P9	-1.000	1.139	.388	-3.35	1.35
	P10	-3.333*	1.139	.007	-5.68	-.98
	P11	1.000	1.139	.388	-1.35	3.35
	P12	.000	1.139	1.000	-2.35	2.35
	P1	-55.667*	1.139	.000	-58.02	-53.32
	P2	7.000*	1.139	.000	4.65	9.35
P3	P4	5.333*	1.139	.000	2.98	7.68
	P5	3.000*	1.139	.015	.65	5.35
	P6	-2.000	1.139	.092	-4.35	.35

	P7	8.000*	1.139	.000	5.65	10.35
	P8	5.667*	1.139	.000	3.32	8.02
	P9	6.000*	1.139	.000	3.65	8.35
	P10	3.667*	1.139	.004	1.32	6.02
	P11	8.000*	1.139	.000	5.65	10.35
	P12	7.000*	1.139	.000	4.65	9.35
	P1	-61.000*	1.139	.000	-63.35	-58.65
	P2	1.667	1.139	.156	-.68	4.02
	P3	-5.333*	1.139	.000	-7.68	-2.98
	P5	-2.333	1.139	.052	-4.68	.02
	P6	-7.333*	1.139	.000	-9.68	-4.98
P4	P7	2.667*	1.139	.028	.32	5.02
	P8	.333	1.139	.772	-2.02	2.68
	P9	.667	1.139	.564	-1.68	3.02
	P10	-1.667	1.139	.156	-4.02	.68
	P11	2.667*	1.139	.028	.32	5.02
	P12	1.667	1.139	.156	-.68	4.02
	P1	-58.667*	1.139	.000	-61.02	-56.32
	P2	4.000*	1.139	.002	1.65	6.35
	P3	-3.000*	1.139	.015	-5.35	-.65
	P4	2.333	1.139	.052	-.02	4.68
P5	P6	-5.000*	1.139	.000	-7.35	-2.65
	P7	5.000*	1.139	.000	2.65	7.35
	P8	2.667*	1.139	.028	.32	5.02
	P9	3.000*	1.139	.015	.65	5.35

	P10	.667	1.139	.564	-1.68	3.02
	P11	5.000*	1.139	.000	2.65	7.35
	P12	4.000*	1.139	.002	1.65	6.35
	P1	-53.667*	1.139	.000	-56.02	-51.32
	P2	9.000*	1.139	.000	6.65	11.35
	P3	2.000	1.139	.092	-.35	4.35
	P4	7.333*	1.139	.000	4.98	9.68
	P5	5.000*	1.139	.000	2.65	7.35
P6	P7	10.000*	1.139	.000	7.65	12.35
	P8	7.667*	1.139	.000	5.32	10.02
	P9	8.000*	1.139	.000	5.65	10.35
	P10	5.667*	1.139	.000	3.32	8.02
	P11	10.000*	1.139	.000	7.65	12.35
	P12	9.000*	1.139	.000	6.65	11.35
	P1	-63.667*	1.139	.000	-66.02	-61.32
	P2	-1.000	1.139	.388	-3.35	1.35
	P3	-8.000*	1.139	.000	-10.35	-5.65
	P4	-2.667*	1.139	.028	-5.02	-.32
	P5	-5.000*	1.139	.000	-7.35	-2.65
P7	P6	-10.000*	1.139	.000	-12.35	-7.65
	P8	-2.333	1.139	.052	-4.68	.02
	P9	-2.000	1.139	.092	-4.35	.35
	P10	-4.333*	1.139	.001	-6.68	-1.98
	P11	.000	1.139	1.000	-2.35	2.35
	P12	-1.000	1.139	.388	-3.35	1.35

	P1	-61.333*	1.139	.000	-63.68	-58.98
	P2	1.333	1.139	.253	-1.02	3.68
	P3	-5.667*	1.139	.000	-8.02	-3.32
	P4	-.333	1.139	.772	-2.68	2.02
	P5	-2.667*	1.139	.028	-5.02	-.32
P8	P6	-7.667*	1.139	.000	-10.02	-5.32
	P7	2.333	1.139	.052	-.02	4.68
	P9	.333	1.139	.772	-2.02	2.68
	P10	-2.000	1.139	.092	-4.35	.35
	P11	2.333	1.139	.052	-.02	4.68
	P12	1.333	1.139	.253	-1.02	3.68
	P1	-61.667*	1.139	.000	-64.02	-59.32
	P2	1.000	1.139	.388	-1.35	3.35
	P3	-6.000*	1.139	.000	-8.35	-3.65
	P4	-.667	1.139	.564	-3.02	1.68
	P5	-3.000*	1.139	.015	-5.35	-.65
P9	P6	-8.000*	1.139	.000	-10.35	-5.65
	P7	2.000	1.139	.092	-.35	4.35
	P8	-.333	1.139	.772	-2.68	2.02
	P10	-2.333	1.139	.052	-4.68	.02
	P11	2.000	1.139	.092	-.35	4.35
	P12	1.000	1.139	.388	-1.35	3.35
	P1	-59.333*	1.139	.000	-61.68	-56.98
P10	P2	3.333*	1.139	.007	.98	5.68
	P3	-3.667*	1.139	.004	-6.02	-1.32

	P4	1.667	1.139	.156	-.68	4.02
	P5	-.667	1.139	.564	-3.02	1.68
	P6	-5.667*	1.139	.000	-8.02	-3.32
	P7	4.333*	1.139	.001	1.98	6.68
	P8	2.000	1.139	.092	-.35	4.35
	P9	2.333	1.139	.052	-.02	4.68
	P11	4.333*	1.139	.001	1.98	6.68
	P12	3.333*	1.139	.007	.98	5.68
	P1	-63.667*	1.139	.000	-66.02	-61.32
	P2	-1.000	1.139	.388	-3.35	1.35
	P3	-8.000*	1.139	.000	-10.35	-5.65
	P4	-2.667*	1.139	.028	-5.02	-.32
	P5	-5.000*	1.139	.000	-7.35	-2.65
P11	P6	-10.000*	1.139	.000	-12.35	-7.65
	P7	.000	1.139	1.000	-2.35	2.35
	P8	-2.333	1.139	.052	-4.68	.02
	P9	-2.000	1.139	.092	-4.35	.35
	P10	-4.333*	1.139	.001	-6.68	-1.98
	P12	-1.000	1.139	.388	-3.35	1.35
	P1	-62.667*	1.139	.000	-65.02	-60.32
	P2	.000	1.139	1.000	-2.35	2.35
	P3	-7.000*	1.139	.000	-9.35	-4.65
P12	P4	-1.667	1.139	.156	-4.02	.68
	P5	-4.000*	1.139	.002	-6.35	-1.65
	P6	-9.000*	1.139	.000	-11.35	-6.65

	P7	1.000	1.139	.388	-1.35	3.35
	P8	-1.333	1.139	.253	-3.68	1.02
	P9	-1.000	1.139	.388	-3.35	1.35
	P10	-3.333*	1.139	.007	-5.68	-.98
	P11	1.000	1.139	.388	-1.35	3.35

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

Homogeneous Subsets

MOTILITAS

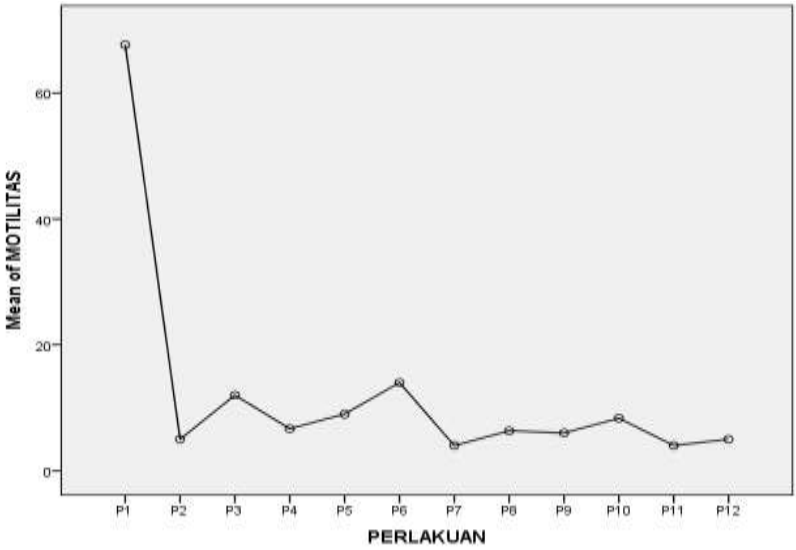
	PERLAKUAN	N	Subset for alpha = 0.05				
			1	2	3	4	5
Duncan[a]	P7	3	4.00				
	P11	3	4.00				
	P2	3	5.00				

P12	3	5.00				
P9	3	6.00	6.00			
P8	3	6.33	6.33			
P4	3	6.67	6.67	6.67		
P10	3		8.33	8.33		
P5	3			9.00		
P3	3				12.00	
P6	3				14.00	
P1	3					67.67
Sig.		.050	.071	.063	.092	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Means Plots



Viabilitas

Oneway

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
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Descriptives

VIABILITAS

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
P1	3	79.00	1.000	.577	76.52	81.48	78	80
P2	3	55.67	3.055	1.764	48.08	63.26	53	59
P3	3	69.67	3.055	1.764	62.08	77.26	67	73
P4	3	73.67	1.528	.882	69.87	77.46	72	75
P5	3	76.33	2.082	1.202	71.16	81.50	74	78
P6	3	80.67	2.082	1.202	75.50	85.84	79	83
P7	3	65.33	1.528	.882	61.54	69.13	64	67
P8	3	74.33	1.155	.667	71.46	77.20	73	75
P9	3	82.00	2.000	1.155	77.03	86.97	80	84
P10	3	82.67	1.528	.882	78.87	86.46	81	84
P11	3	63.00	1.000	.577	60.52	65.48	62	64
P12	3	50.33	2.082	1.202	45.16	55.50	48	52
Total	36	71.06	10.359	1.727	67.55	74.56	48	84

Test of Homogeneity of Variances

VIABILITAS

Levene Statistic	df1	df2	Sig.
1.015	11	24	.463

ANOVA

VIABILITAS

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3663.889	11	333.081	86.891	.000
Within Groups	92.000	24	3.833		
Total	3755.889	35			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: VIABILITAS

	(I) PERLAKUAN	(J) PERLAKUAN	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	P1	P2	23.333*	1.599	.000	20.03	26.63
		P3	9.333*	1.599	.000	6.03	12.63
		P4	5.333*	1.599	.003	2.03	8.63
		P5	2.667	1.599	.108	-.63	5.97
		P6	-1.667	1.599	.308	-4.97	1.63
		P7	13.667*	1.599	.000	10.37	16.97
		P8	4.667*	1.599	.008	1.37	7.97
		P9	-3.000	1.599	.073	-6.30	.30
		P10	-3.667*	1.599	.031	-6.97	-.37

	P11	16.000*	1.599	.000	12.70	19.30
	P12	28.667*	1.599	.000	25.37	31.97
	P1	-23.333*	1.599	.000	-26.63	-20.03
	P3	-14.000*	1.599	.000	-17.30	-10.70
	P4	-18.000*	1.599	.000	-21.30	-14.70
	P5	-20.667*	1.599	.000	-23.97	-17.37
	P6	-25.000*	1.599	.000	-28.30	-21.70
P2	P7	-9.667*	1.599	.000	-12.97	-6.37
	P8	-18.667*	1.599	.000	-21.97	-15.37
	P9	-26.333*	1.599	.000	-29.63	-23.03
	P10	-27.000*	1.599	.000	-30.30	-23.70
	P11	-7.333*	1.599	.000	-10.63	-4.03
	P12	5.333*	1.599	.003	2.03	8.63
	P1	-9.333*	1.599	.000	-12.63	-6.03
	P2	14.000*	1.599	.000	10.70	17.30
	P4	-4.000*	1.599	.020	-7.30	-.70
	P5	-6.667*	1.599	.000	-9.97	-3.37
P3	P6	-11.000*	1.599	.000	-14.30	-7.70
	P7	4.333*	1.599	.012	1.03	7.63
	P8	-4.667*	1.599	.008	-7.97	-1.37
	P9	-12.333*	1.599	.000	-15.63	-9.03

	P10	-13.000*	1.599	.000	-16.30	-9.70
	P11	6.667*	1.599	.000	3.37	9.97
	P12	19.333*	1.599	.000	16.03	22.63
	P1	-5.333*	1.599	.003	-8.63	-2.03
	P2	18.000*	1.599	.000	14.70	21.30
	P3	4.000*	1.599	.020	.70	7.30
	P5	-2.667	1.599	.108	-5.97	.63
	P6	-7.000*	1.599	.000	-10.30	-3.70
P4	P7	8.333*	1.599	.000	5.03	11.63
	P8	-.667	1.599	.680	-3.97	2.63
	P9	-8.333*	1.599	.000	-11.63	-5.03
	P10	-9.000*	1.599	.000	-12.30	-5.70
	P11	10.667*	1.599	.000	7.37	13.97
	P12	23.333*	1.599	.000	20.03	26.63
	P1	-2.667	1.599	.108	-5.97	.63
	P2	20.667*	1.599	.000	17.37	23.97
	P3	6.667*	1.599	.000	3.37	9.97
P5	P4	2.667	1.599	.108	-.63	5.97
	P6	-4.333*	1.599	.012	-7.63	-1.03
	P7	11.000*	1.599	.000	7.70	14.30
	P8	2.000	1.599	.223	-1.30	5.30

	P9	-5.667*	1.599	.002	-8.97	-2.37
	P10	-6.333*	1.599	.001	-9.63	-3.03
	P11	13.333*	1.599	.000	10.03	16.63
	P12	26.000*	1.599	.000	22.70	29.30
	P1	1.667	1.599	.308	-1.63	4.97
	P2	25.000*	1.599	.000	21.70	28.30
	P3	11.000*	1.599	.000	7.70	14.30
	P4	7.000*	1.599	.000	3.70	10.30
	P5	4.333*	1.599	.012	1.03	7.63
P6	P7	15.333*	1.599	.000	12.03	18.63
	P8	6.333*	1.599	.001	3.03	9.63
	P9	-1.333	1.599	.412	-4.63	1.97
	P10	-2.000	1.599	.223	-5.30	1.30
	P11	17.667*	1.599	.000	14.37	20.97
	P12	30.333*	1.599	.000	27.03	33.63
	P1	-13.667*	1.599	.000	-16.97	-10.37
	P2	9.667*	1.599	.000	6.37	12.97
	P3	-4.333*	1.599	.012	-7.63	-1.03
P7	P4	-8.333*	1.599	.000	-11.63	-5.03
	P5	-11.000*	1.599	.000	-14.30	-7.70
	P6	-15.333*	1.599	.000	-18.63	-12.03

	P8	-9.000*	1.599	.000	-12.30	-5.70
	P9	-16.667*	1.599	.000	-19.97	-13.37
	P10	-17.333*	1.599	.000	-20.63	-14.03
	P11	2.333	1.599	.157	-.97	5.63
	P12	15.000*	1.599	.000	11.70	18.30
	P1	-4.667*	1.599	.008	-7.97	-1.37
	P2	18.667*	1.599	.000	15.37	21.97
	P3	4.667*	1.599	.008	1.37	7.97
	P4	.667	1.599	.680	-2.63	3.97
	P5	-2.000	1.599	.223	-5.30	1.30
P8	P6	-6.333*	1.599	.001	-9.63	-3.03
	P7	9.000*	1.599	.000	5.70	12.30
	P9	-7.667*	1.599	.000	-10.97	-4.37
	P10	-8.333*	1.599	.000	-11.63	-5.03
	P11	11.333*	1.599	.000	8.03	14.63
	P12	24.000*	1.599	.000	20.70	27.30
	P1	3.000	1.599	.073	-.30	6.30
	P2	26.333*	1.599	.000	23.03	29.63
P9	P3	12.333*	1.599	.000	9.03	15.63
	P4	8.333*	1.599	.000	5.03	11.63
	P5	5.667*	1.599	.002	2.37	8.97

	P6	1.333	1.599	.412	-1.97	4.63
	P7	16.667*	1.599	.000	13.37	19.97
	P8	7.667*	1.599	.000	4.37	10.97
	P10	-.667	1.599	.680	-3.97	2.63
	P11	19.000*	1.599	.000	15.70	22.30
	P12	31.667*	1.599	.000	28.37	34.97
	P1	3.667*	1.599	.031	.37	6.97
	P2	27.000*	1.599	.000	23.70	30.30
	P3	13.000*	1.599	.000	9.70	16.30
	P4	9.000*	1.599	.000	5.70	12.30
	P5	6.333*	1.599	.001	3.03	9.63
P10	P6	2.000	1.599	.223	-1.30	5.30
	P7	17.333*	1.599	.000	14.03	20.63
	P8	8.333*	1.599	.000	5.03	11.63
	P9	.667	1.599	.680	-2.63	3.97
	P11	19.667*	1.599	.000	16.37	22.97
	P12	32.333*	1.599	.000	29.03	35.63
	P1	-16.000*	1.599	.000	-19.30	-12.70
	P2	7.333*	1.599	.000	4.03	10.63
P11	P3	-6.667*	1.599	.000	-9.97	-3.37
	P4	-10.667*	1.599	.000	-13.97	-7.37

	P5	-13.333*	1.599	.000	-16.63	-10.03
	P6	-17.667*	1.599	.000	-20.97	-14.37
	P7	-2.333	1.599	.157	-5.63	.97
	P8	-11.333*	1.599	.000	-14.63	-8.03
	P9	-19.000*	1.599	.000	-22.30	-15.70
	P10	-19.667*	1.599	.000	-22.97	-16.37
	P12	12.667*	1.599	.000	9.37	15.97
	P1	-28.667*	1.599	.000	-31.97	-25.37
	P2	-5.333*	1.599	.003	-8.63	-2.03
	P3	-19.333*	1.599	.000	-22.63	-16.03
	P4	-23.333*	1.599	.000	-26.63	-20.03
	P5	-26.000*	1.599	.000	-29.30	-22.70
P12	P6	-30.333*	1.599	.000	-33.63	-27.03
	P7	-15.000*	1.599	.000	-18.30	-11.70
	P8	-24.000*	1.599	.000	-27.30	-20.70
	P9	-31.667*	1.599	.000	-34.97	-28.37
	P10	-32.333*	1.599	.000	-35.63	-29.03
	P11	-12.667*	1.599	.000	-15.97	-9.37

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

Homogeneous Subsets

VIABILITAS

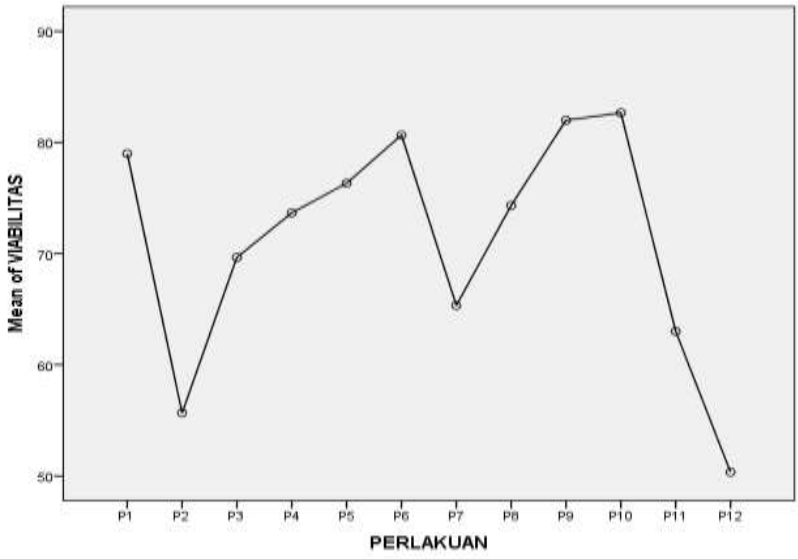
	PERLAKUAN	N	Subset for alpha = 0.05							
			1	2	3	4	5	6	7	8
Duncan[a]	P12	3	50.33							
	P2	3		55.67						
	P11	3			63.00					
	P7	3			65.33					
	P3	3				69.67				
	P4	3					73.67			
	P8	3					74.33			
	P5	3					76.33	76.33		
	P1	3						79.00	79.00	

	P6	3							80.67	80.67
	P9	3							82.00	82.00
	P10	3								82.67
	Sig.		1.000	1.000	.157	1.000	.127	.108	.087	.249

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Means Plots



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KAMPUS : Jl.Dukuh Menanggal XII, Telp.(031)8281183, 8281181,
Surabaya 60234

BUKTI BIMBINGAN SKRIPSI

Nama : Dyan Wahyu Purwaningsih
NIM : 212509004
Judul Skripsi : Efektivitas Ekstrak Daun Insulin (Smallanthus sonchifolius), Buah Mengkudu (Morinda citrifolia L), Dan Kombinasi Kedua Ekstrak Sebagai Penurun Kadar Gula Dan Peningkat Kualitas Spermatozoa Mencit (Mus musculus L) Diabetes.

Dosen Pembimbing : Dr. Dra. Sukarjati M. Kes

No	Tanggal	Materi Bimbingan	Pembimbing
1.	23-06-2023	Bimbingan BAB V (Hasil Penelitian)	
2.	3-07-2023	Bimbingan revisi BAB V	
3.	6-07-2023	Bimbingan BAB I – BAB IV	
4.	10-07-2023	Bimbingan revisi BAB I – BAB IV	
5.	13-07-2023	Bimbingan BAB VI	
6.	24-07-2023	Bimbingan revisi BAB VI	
7.	25-07-2023	Bimbingan BAB I – BAB VII	
8.	27-07-2023	Bimbingan revisi BAB I – BAB VII	
9.	8-08-2023	Bimbingan revisi hasil sidang skripsi	

Mengetahui
Dekan FST,

Dra. Diah Karunia Binawati, M.Si
NIP. 196204081992022001

Dosen Pembimbing,

Dr. Dra. Sukarjati M. Kes
NIP. 19640526 198903 2 002

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PERSETUJUAN PERBAIKAN SKRIPSI

Dosen Pembimbing dan Penguji di bawah ini telah menyetujui atas perbaikan skripsi yang dilakukan oleh :

Nama : Dyan Wahyu Purwaningsih

NIM : 212509004

Prodi : Biologi

Judul : Efektivitas Ekstrak Daun Insulin (Smallanthus sonchifolius), Buah Mengkudu (Morinda citrifolia L), Dan Kombinasi Kedua Ekstrak Sebagai Penurun Kadar Gula Dan Peningkat Kualitas Spermatozoa Mencit (Mus musculus L) Diabetes.

DOSEN PEMBIMBING

No	Nama	Tanda tangan	Tanggal Persetujuan
1.	Dr. Dra. Sukarjati M. Kes		10-08-2023

DOSEN PENGUJI

No	Nama	Tanda tangan	Tanggal Persetujuan
1.	Prof. Dr. Ir. Pungky Slamet W.K,M.Si		10/8 2023

*Catatan:

Naskah skripsi dapat digandakan dan dijilid, apabila mahasiswa yang bersangkutan telah mendapat persetujuan dari dosen pembimbing dan dosen penguji.