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LAMPIRAN

1. Tabel konversi dosis berdasarkan hewan dan manusia (Niar & Jacob, 2018)

Hewan dan BB rata-rata	Mencit 20 g	Tikus 200 g	Marmut 400 g	Kelinci 1,5 kg	Kucing 2 kg	Kera 4 kg	Anjing 12 kg	Manusia 70 kg
Mencit 20 g	1,0	7,0	12,29	27,8	28,7	64,1	124,2	387,9
Tikus 200 g	0,14	1,0	1,74	3,9	4,2	9,2	17,8	60,5
Marmut 400 g	0,08	0,57	1,0	2,25	2,4	5,2	10,2	31,5
Kelinci 1,5 kg	0,04	0,25	0,44	1,0	1,06	2,4	4,5	14,2
Kucing 2 kg	0,03	0,23	0,41	0,92	1,0	2,2	4,1	13,0
Kera 4 kg	0,016	0,11	0,19	0,42	0,45	1,0	1,9	6,1
Anjing 12 kg	0,008	0,06	0,10	0,22	0,24	0,52	1,0	3,1
Manusia 70 kg	0,0026	0,018	0,031	0,07	0,76	0,16	0,32	1,0

2. Perhitungan dosis obat

- dosis Acarbose untuk manusia adalah 50mg
konversi dosis = $50 \text{ mg} * 0,018 = 0,9 \text{ mg}$
- dosis orlistat untuk manusia adalah 120mg
konversi dosis = $60 \text{ mg} * 0,018 = 1,08 \text{ mg}$
- dosis dangke untuk manusia adalah 100g/hari
konversi dosis = $100 * 0,018 = 1,8 \text{ g}$,
ket: 0,018 merupakan faktor konversi untuk tikus dengan berat 200g

kelompok Acarbose diberi 0,9mg, kelompok orlistat diberi 1,08mg per hari, sedangkan pada kelompok dangke diberikan dangke dengan dosis 1,8g/hari dan kelompok lain mendapatkan kelipatan dosis yaitu 3,6g/hari

3. Hasil uji statistik

1) Berat badan

Test of Homogeneity of Variances

		Levene	df1	df2	Sig.
		Statistic			
berat badan	Based on Mean	2.215	5	15	.107
	Based on Median	1.250	5	15	.335
	Based on Median and with adjusted df	1.250	5	6.261	.388
	Based on trimmed mean	1.913	5	15	.152

ANOVA

berat badan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9216.170	5	1843.234	4.988	.007
Within Groups	5543.082	15	369.539		
Total	14759.25	20			
	1				

Multiple Comparisons

Dependent Variable: berat badan

Tukey HSD

(I) kelompok perlakuan	(J) kelompok perlakuan	Mean			95% Confidence Interval	
		Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
ND	HFFD	-60.7000*	16.6479	.024	-114.789	-6.611
	Acarbose	-23.4833	17.5485	.761	-80.498	33.531
	Orlistat	-7.4000	16.6479	.997	-61.489	46.689
	Dangke1,8	-3.9500	16.6479	1.000	-58.039	50.139
	Dangke3,6	-15.3000	16.6479	.935	-69.389	38.789
HFFD	ND	60.7000*	16.6479	.024	6.611	114.789
	Acarbose	37.2167	14.6821	.175	-10.485	84.918
	Orlistat	53.3000*	13.5930	.014	9.137	97.463
	Dangke1,8	56.7500*	13.5930	.009	12.587	100.913
	Dangke3,6	45.4000*	13.5930	.042	1.237	89.563
Acarbose	ND	23.4833	17.5485	.761	-33.531	80.498
	HFFD	-37.2167	14.6821	.175	-84.918	10.485
	Orlistat	16.0833	14.6821	.876	-31.618	63.785
	Dangke1,8	19.5333	14.6821	.765	-28.168	67.235
	Dangke3,6	8.1833	14.6821	.992	-39.518	55.885
Orlistat	ND	7.4000	16.6479	.997	-46.689	61.489
	HFFD	-53.3000*	13.5930	.014	-97.463	-9.137
	Acarbose	-16.0833	14.6821	.876	-63.785	31.618
	Dangke1,8	3.4500	13.5930	1.000	-40.713	47.613
	Dangke3,6	-7.9000	13.5930	.991	-52.063	36.263
Dangke1,8	ND	3.9500	16.6479	1.000	-50.139	58.039
	HFFD	-56.7500*	13.5930	.009	-100.913	-12.587
	Acarbose	-19.5333	14.6821	.765	-67.235	28.168
	Orlistat	-3.4500	13.5930	1.000	-47.613	40.713
	Dangke3,6	-11.3500	13.5930	.956	-55.513	32.813
Dangke3,6	ND	15.3000	16.6479	.935	-38.789	69.389
	HFFD	-45.4000*	13.5930	.042	-89.563	-1.237
	Acarbose	-8.1833	14.6821	.992	-55.885	39.518
	Orlistat	7.9000	13.5930	.991	-36.263	52.063
	Dangke1,8	11.3500	13.5930	.956	-32.813	55.513

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

2) Kadar glukosa

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
glukosa	Based on Mean	.858	4	13	.514
	Based on Median	.972	4	13	.455
	Based on Median and with adjusted df	.972	4	5.629	.490
	Based on trimmed mean	.876	4	13	.505

ANOVA

glukosa					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	17520.361	4	4380.090	42.328	.000
Within Groups	1345.250	13	103.481		
Total	18865.611	17			

Multiple Comparisons

Dependent Variable: glukosa

Tukey HSD

(I) kelompok perlakuan	(J) kelompok perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ND	HFFD	-39.7500 [*]	8.8097	.004	-67.489	-12.011
	Acarbose	31.5000 [*]	8.8097	.023	3.761	59.239
	Dangke1,8	39.2500 [*]	8.8097	.005	11.511	66.989
	Dangke3,6	35.2500 [*]	8.8097	.011	7.511	62.989
HFFD	ND	39.7500 [*]	8.8097	.004	12.011	67.489
	Acarbose	71.2500 [*]	7.1931	.000	48.601	93.899
	Dangke1,8	79.0000 [*]	7.1931	.000	56.351	101.649
	Dangke3,6	75.0000 [*]	7.1931	.000	52.351	97.649
Acarbose	ND	-31.5000 [*]	8.8097	.023	-59.239	-3.761
	HFFD	-71.2500 [*]	7.1931	.000	-93.899	-48.601
	Dangke1,8	7.7500	7.1931	.815	-14.899	30.399
	Dangke3,6	3.7500	7.1931	.984	-18.899	26.399
Dangke1,8	ND	-39.2500 [*]	8.8097	.005	-66.989	-11.511
	HFFD	-79.0000 [*]	7.1931	.000	-101.649	-56.351
	Acarbose	-7.7500	7.1931	.815	-30.399	14.899
	Dangke3,6	-4.0000	7.1931	.979	-26.649	18.649
Dangke3,6	ND	-35.2500 [*]	8.8097	.011	-62.989	-7.511
	HFFD	-75.0000 [*]	7.1931	.000	-97.649	-52.351
	Acarbose	-3.7500	7.1931	.984	-26.399	18.899
	Dangke1,8	4.0000	7.1931	.979	-18.649	26.649

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

3) Profil lipid

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
TC	Based on Mean	4.009	4	13	.025
	Based on Median	3.577	4	13	.035
	Based on Median and with adjusted df	3.577	4	9.200	.051
	Based on trimmed mean	3.954	4	13	.026
HDL	Based on Mean	2.155	4	13	.132
	Based on Median	.888	4	13	.498
	Based on Median and with adjusted df	.888	4	7.528	.515
	Based on trimmed mean	1.837	4	13	.182
LDL	Based on Mean	2.451	4	13	.098
	Based on Median	2.088	4	13	.141
	Based on Median and with adjusted df	2.088	4	7.873	.176
	Based on trimmed mean	2.443	4	13	.099
TG	Based on Mean	1.796	4	13	.190
	Based on Median	1.101	4	13	.397
	Based on Median and with adjusted df	1.101	4	11.621	.401
	Based on trimmed mean	1.679	4	13	.215

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
TC	Between Groups	1558.361	4	389.590	11.174	.000
	Within Groups	453.250	13	34.865		
	Total	2011.611	17			
HDL	Between Groups	418.250	4	104.563	1.877	.175
	Within Groups	724.250	13	55.712		
	Total	1142.500	17			
LDL	Between Groups	304.763	4	76.191	4.813	.013
	Within Groups	205.800	13	15.831		
	Total	510.563	17			
TG	Between Groups	19912.694	4	4978.174	13.641	.000
	Within Groups	4744.250	13	364.942		
	Total	24656.944	17			

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) kelompok perlakuan	(J) kelompok perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		
						Lower Bound	Upper Bound	
TC	ND	HFFD	-11.2500	5.1136	.239	-27.351	4.851	
		Orlistat	6.5000	5.1136	.712	-9.601	22.601	
		Dangke1,8	9.2500	5.1136	.409	-6.851	25.351	
		Dangke3,6	14.7500	5.1136	.079	-1.351	30.851	
	HFFD	ND	11.2500	5.1136	.239	-4.851	27.351	
		Orlistat	17.7500*	4.1752	.007	4.603	30.897	
		Dangke1,8	20.5000*	4.1752	.002	7.353	33.647	
		Dangke3,6	26.0000*	4.1752	.000	12.853	39.147	
	Orlistat	ND	-6.5000	5.1136	.712	-22.601	9.601	
		HFFD	-17.7500*	4.1752	.007	-30.897	-4.603	
		Dangke1,8	2.7500	4.1752	.962	-10.397	15.897	
		Dangke3,6	8.2500	4.1752	.329	-4.897	21.397	
	Dangke1,8	ND	-9.2500	5.1136	.409	-25.351	6.851	
		HFFD	-20.5000*	4.1752	.002	-33.647	-7.353	
		Orlistat	-2.7500	4.1752	.962	-15.897	10.397	
		Dangke3,6	5.5000	4.1752	.686	-7.647	18.647	
	Dangke3,6	ND	-14.7500	5.1136	.079	-30.851	1.351	
		HFFD	-26.0000*	4.1752	.000	-39.147	-12.853	
		Orlistat	-8.2500	4.1752	.329	-21.397	4.897	
		Dangke1,8	-5.5000	4.1752	.686	-18.647	7.647	
	HDL	ND	HFFD	12.0000	6.4640	.385	-8.353	32.353
			Orlistat	1.2500	6.4640	1.000	-19.103	21.603
			Dangke1,8	11.2500	6.4640	.445	-9.103	31.603
			Dangke3,6	4.7500	6.4640	.944	-15.603	25.103
		HFFD	ND	-12.0000	6.4640	.385	-32.353	8.353
			Orlistat	-10.7500	5.2779	.303	-27.368	5.868
			Dangke1,8	-.7500	5.2779	1.000	-17.368	15.868
			Dangke3,6	-7.2500	5.2779	.654	-23.868	9.368
		Orlistat	ND	-1.2500	6.4640	1.000	-21.603	19.103
			HFFD	10.7500	5.2779	.303	-5.868	27.368
			Dangke1,8	10.0000	5.2779	.367	-6.618	26.618
			Dangke3,6	3.5000	5.2779	.961	-13.118	20.118
		Dangke1,8	ND	-11.2500	6.4640	.445	-31.603	9.103
			HFFD	.7500	5.2779	1.000	-15.868	17.368
			Orlistat	-10.0000	5.2779	.367	-26.618	6.618
			Dangke3,6	-6.5000	5.2779	.734	-23.118	10.118
Dangke3,6		ND	-4.7500	6.4640	.944	-25.103	15.603	
		HFFD	7.2500	5.2779	.654	-9.368	23.868	
		Orlistat	-3.5000	5.2779	.961	-20.118	13.118	
		Dangke1,8	6.5000	5.2779	.734	-10.118	23.118	
LDL		ND	HFFD	-7.1000	3.4457	.293	-17.950	3.750
			Orlistat	4.0250	3.4457	.769	-6.825	14.875
			Dangke1,8	.4000	3.4457	1.000	-10.450	11.250
			Dangke3,6	3.0750	3.4457	.895	-7.775	13.925
		HFFD	ND	7.1000	3.4457	.293	-3.750	17.950
			Orlistat	11.1250*	2.8134	.012	2.266	19.984
			Dangke1,8	7.5000	2.8134	.115	-1.359	16.359
			Dangke3,6	10.1750*	2.8134	.022	1.316	19.034
		Orlistat	ND	-4.0250	3.4457	.769	-14.875	6.825
			HFFD	-11.1250*	2.8134	.012	-19.984	-2.266
			Dangke1,8	-3.6250	2.8134	.702	-12.484	5.234
			Dangke3,6	-.9500	2.8134	.997	-9.809	7.909
		Dangke1,8	ND	-4.0000	3.4457	1.000	-11.250	10.450
			HFFD	-7.5000	2.8134	.115	-16.359	1.359
			Orlistat	3.6250	2.8134	.702	-5.234	12.484
			Dangke3,6	2.6750	2.8134	.872	-6.184	11.534
	Dangke3,6	ND	-3.0750	3.4457	.895	-13.925	7.775	
		HFFD	-10.1750*	2.8134	.022	-19.034	-1.316	
		Orlistat	.9500	2.8134	.997	-7.909	9.809	
		Dangke1,8	-2.6750	2.8134	.872	-11.534	6.184	
	TG	ND	HFFD	-98.2500*	16.5441	.000	-150.342	-46.158
			Orlistat	-36.0000	16.5441	.248	-88.092	16.092
			Dangke1,8	-24.7500	16.5441	.582	-76.842	27.342
			Dangke3,6	-16.7500	16.5441	.845	-68.842	35.342
		HFFD	ND	98.2500*	16.5441	.000	46.158	150.342
			Orlistat	62.2500*	13.5082	.004	19.717	104.783
			Dangke1,8	73.5000*	13.5082	.001	30.967	116.033
			Dangke3,6	81.5000*	13.5082	.000	38.967	124.033
		Orlistat	ND	36.0000	16.5441	.248	-16.092	88.092
			HFFD	-62.2500*	13.5082	.004	-104.783	-19.717
			Dangke1,8	11.2500	13.5082	.916	-31.283	53.783
			Dangke3,6	19.2500	13.5082	.624	-23.283	61.783
		Dangke1,8	ND	24.7500	16.5441	.582	-27.342	76.842
			HFFD	-73.5000*	13.5082	.001	-116.033	-30.967
			Orlistat	-11.2500	13.5082	.916	-53.783	31.283
			Dangke3,6	8.0000	13.5082	.974	-34.533	50.533
Dangke3,6		ND	16.7500	16.5441	.845	-35.342	68.842	
		HFFD	-81.5000*	13.5082	.000	-124.033	-38.967	
		Orlistat	-19.2500	13.5082	.624	-61.783	23.283	
		Dangke1,8	-8.0000	13.5082	.974	-50.533	34.533	

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

4). Aktivitas enzim amilase dan lipase

a. Amilase

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
amilase	Based on Mean	.195	4	13	.937
	Based on Median	.112	4	13	.976
	Based on Median and with adjusted df	.112	4	10.462	.976
	Based on trimmed mean	.182	4	13	.944

ANOVA

amilase

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.359	4	.340	11.755	.000
Within Groups	.376	13	.029		
Total	1.735	17			

Multiple Comparisons

Dependent Variable: amilase

Tukey HSD

(I) kelompok perlakuan	(J) kelompok perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ND	HFFD	-.626500*	.147241	.007	-1.09011	-.16289
	acarbose	.125000	.147241	.910	-.33861	.58861
	Dangke1,8	.011500	.147241	1.000	-.45211	.47511
	Dangke3,6	-.153500	.147241	.831	-.61711	.31011
HFFD	ND	.626500*	.147241	.007	.16289	1.09011
	acarbose	.751500*	.120222	.000	.37296	1.13004
	Dangke1,8	.638000*	.120222	.001	.25946	1.01654
	Dangke3,6	.473000*	.120222	.012	.09446	.85154
acarbose	ND	-.125000	.147241	.910	-.58861	.33861
	HFFD	-.751500*	.120222	.000	-1.13004	-.37296
	Dangke1,8	-.113500	.120222	.875	-.49204	.26504
	Dangke3,6	-.278500	.120222	.201	-.65704	.10004
Dangke1,8	ND	-.011500	.147241	1.000	-.47511	.45211
	HFFD	-.638000*	.120222	.001	-1.01654	-.25946
	acarbose	.113500	.120222	.875	-.26504	.49204
	Dangke3,6	-.165000	.120222	.654	-.54354	.21354
Dangke3,6	ND	.153500	.147241	.831	-.31011	.61711
	HFFD	-.473000*	.120222	.012	-.85154	-.09446
	acarbose	.278500	.120222	.201	-.10004	.65704
	Dangke1,8	.165000	.120222	.654	-.21354	.54354

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

b. Lipase

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
lipase	Based on Mean	1.242	4	12	.345
	Based on Median	1.201	4	12	.360
	Based on Median and with adjusted df	1.201	4	6.466	.395
	Based on trimmed mean	1.245	4	12	.344

ANOVA

lipase

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.001	4	.000	11.242	.001
Within Groups	.000	12	.000		
Total	.001	16			

Multiple Comparisons

Dependent Variable: lipase

Tukey HSD

(I) kelompok perlakuan	(J) kelompok perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ND	HFFD	-.000450	.004276	1.000	-.01408	.01318
	orlistat	.015700*	.004276	.022	.00207	.02933
	Dangke1,8	.014867*	.004508	.041	.00050	.02923
	Dangke3,6	.018100*	.004276	.008	.00447	.03173
HFFD	ND	.000450	.004276	1.000	-.01318	.01408
	orlistat	.016150*	.003492	.004	.00502	.02728
	Dangke1,8	.015317*	.003771	.011	.00330	.02734
	Dangke3,6	.018550*	.003492	.001	.00742	.02968
orlistat	ND	-.015700*	.004276	.022	-.02933	-.00207
	HFFD	-.016150*	.003492	.004	-.02728	-.00502
	Dangke1,8	-.000833	.003771	.999	-.01285	.01119
	Dangke3,6	.002400	.003492	.955	-.00873	.01353
Dangke1,8	ND	-.014867*	.004508	.041	-.02923	-.00050
	HFFD	-.015317*	.003771	.011	-.02734	-.00330
	orlistat	.000833	.003771	.999	-.01119	.01285
	Dangke3,6	.003233	.003771	.907	-.00879	.01525
Dangke3,6	ND	-.018100*	.004276	.008	-.03173	-.00447
	HFFD	-.018550*	.003492	.001	-.02968	-.00742
	orlistat	-.002400	.003492	.955	-.01353	.00873
	Dangke1,8	-.003233	.003771	.907	-.01525	.00879

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