

KEPUSTAKAAN

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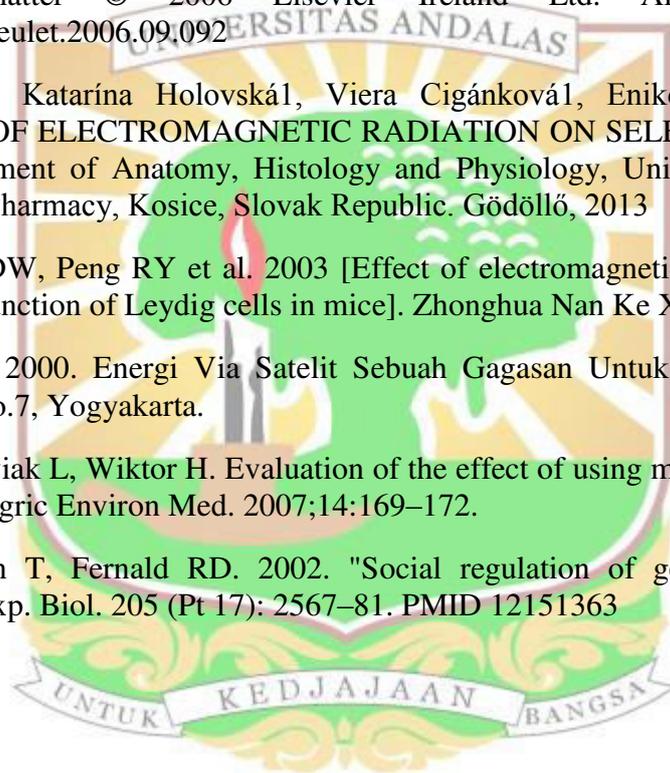
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Laporan Hasil Penelitian

No. Laboratorium : 2015-02-R-0019-HI-1028 s/d 1049
Nama Peneliti : M. Saka Abeiasa, S.Pd
Alamat : Mahasiswa Biomedik Universitas Andalas
No. Telepon : 081364749413
Lama Penelitian : 1 Bulan (April – Mei 2015)
Jumlah Total Sampel : 24
Metode : Elisa

No	No. Laboratorium	Nama	Jenis sampel	Testosteron ng/ml
1	2015-02-R-0019-HI-1028	K1t	Serum tikus	3.39
2	2015-02-R-0019-HI-1029	K2t	Serum tikus	2.87
3	2015-02-R-0019-HI-1030	K3t	Serum tikus	3.45
4	2015-02-R-0019-HI-1031	K4t	Serum tikus	3.17
5	2015-02-R-0019-HI-1032	K5t	Serum tikus	2.98
6	2015-02-R-0019-HI-1033	K6t	Serum tikus	3.05
7	2015-02-R-0019-HI-1034	A1t	Serum tikus	2.92
8	2015-02-R-0019-HI-1035	A2t	Serum tikus	3.11
9	2015-02-R-0019-HI-1036	A3t	Serum tikus	2.45
10	2015-02-R-0019-HI-1037	A4t	Serum tikus	2.39
11	2015-02-R-0019-HI-1038	A5t	Serum tikus	2.84
12	2015-02-R-0019-HI-1039	A6t	Serum tikus	2.55
13	2015-02-R-0019-HI-1040	B1t	Serum tikus	2.30
14	2015-02-R-0019-HI-1041	B2t	Serum tikus	2.39
15	2015-02-R-0019-HI-1042	B3t	Serum tikus	2.43
16	2015-02-R-0019-HI-1043	B4t	Serum tikus	2.35
17	2015-02-R-0019-HI-1044	B5t	Serum tikus	2.32
18	2015-02-R-0019-HI-1045	B6t	Serum tikus	2.31
19	2015-02-R-0019-HI-1046	C1t	Serum tikus	2.19
20	2015-02-R-0019-HI-1047	C2t	Serum tikus	2.13
21	2015-02-R-0019-HI-1048	C3t	Serum tikus	2.31
22	2015-02-R-0019-HI-1049	C4t	Serum tikus	2.23



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Laporan Hasil Penelitian

No. Laboratorium : 2015-02-R-0019-HI-1028 s/d 1049
Nama Peneliti : M. Saka Abeiasa, S.Pd
Alamat : Mahasiswa Biomedik Universitas Andalas
No. Telepon : 081364749413
Lama Penelitian : 1 Bulan (April – Mei 2015)
Jumlah Total Sampel : 24
Metode : Elisa

No	No. Laboratorium	Nama	Jenis sampel	Testosteron ng/ml
23	2015-02-R-0019-HI-1050	C5t	Serum tikus	2.22
24	2015-02-R-0019-HI-1051	C6t	Serum tikus	2.19

Kepala Unit Hormon dan
Kimia

dra. Neneng Gusniarti

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17 Mei 2015

Kepala Bidang Operasional dan
Administrasi Lab. Terpadu FKUI

Dr.drs. Heri Wibowo, M. Biomed

NUP. 0100400024

Lampiran 2 Penghitungan Kadar Testosteron dan Jumlah Spermatozoa

Descriptives								
testosteron								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
kontrol	6	3,1517	,23034	,09404	2,9099	3,3934	2,87	3,45
30 menit	6	2,7100	,28865	,11784	2,4071	3,0129	2,39	3,11
60 menit	6	2,3500	,05099	,02082	2,2965	2,4035	2,30	2,43
90 menit	6	2,2117	,05947	,02428	2,1493	2,2741	2,13	2,31
Total	24	2,6058	,41126	,08395	2,4322	2,7795	2,13	3,45

Test of Homogeneity of Variances			
testosteron			
Levene Statistic	df1	df2	Sig.
10,653	3	20	,000

ANOVA					
testosteron					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3,178	3	1,059	29,729	,000
Within Groups	,713	20	,036		
Total	3,890	23			

Multiple Comparisons							
Testosteron							
Bonferroni							
(I) kelompok	(J) kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval		
					Lower Bound	Upper Bound	
kontrol	30 menit	60 menit	,44167	,10898	,004	,1227	,7607
		90 menit	,80167	,10898	,000	,4827	1,1207
		kontrol	-,44167	,10898	,004	-,7607	-,1227
	60 menit	90 menit	,36000	,10898	,021	,0410	,6790
		kontrol	-,36000	,10898	,021	-,6790	-,0410
		90 menit	,49833	,10898	,001	,1793	,8173
	90 menit	kontrol	-,80167	,10898	,000	-1,1207	-,4827
		30 menit	-,49833	,10898	,001	-,8173	-,1793
		60 menit	,13833	,10898	1,000	-,1807	,4573
30 menit	60 menit	-,94000	,10898	,000	-1,2590	-,6210	
	90 menit	-,49833	,10898	,001	-,8173	-,1793	
	kontrol	,94000	,10898	,000	,6210	1,2590	
60 menit	90 menit	-,13833	,10898	1,000	-,4573	,1807	
	kontrol	,13833	,10898	1,000	-,1807	,4573	
	30 menit	,49833	,10898	,001	,8173	,1793	
90 menit	kontrol	-,13833	,10898	1,000	-,4573	,1807	
	30 menit	,49833	,10898	,001	,8173	,1793	
	60 menit	-,13833	,10898	1,000	-,4573	,1807	

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

ANOVA

Jumlahspermatozoa

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,280	3	,093	13,183	,000
Within Groups	,142	20	,007		
Total	,422	23			

Descriptives

Jumlahsperma

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
kontrol	6	7,5233	,04803	,01961	7,4729	7,5737	7,47	7,57
30 menit	6	7,3867	,10073	,04112	7,2810	7,4924	7,24	7,52
60 menit	6	7,2900	,07642	,03120	7,2098	7,3702	7,18	7,38
90 menit	6	7,2400	,10020	,04091	7,1348	7,3452	7,10	7,37
Total	24	7,3600	,13542	,02764	7,3028	7,4172	7,10	7,57

Multiple Comparisons

Jumlahsperma

LSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
kontrol	30 menit	,13667*	,04859	,011	,0353	,2380
	60 menit	,23333*	,04859	,000	,1320	,3347
	90 menit	,28333*	,04859	,000	,1820	,3847
30 menit	kontrol	-,13667*	,04859	,011	-,2380	-,0353
	60 menit	,09667	,04859	,061	-,0047	,1980
	90 menit	,14667*	,04859	,007	,0453	,2480
60 menit	kontrol	-,23333*	,04859	,000	-,3347	-,1320
	30 menit	-,09667	,04859	,061	-,1980	,0047
	90 menit	,05000	,04859	,316	-,0514	,1514
90 menit	kontrol	-,28333*	,04859	,000	-,3847	-,1820
	30 menit	-,14667*	,04859	,007	-,2480	-,0453
	60 menit	-,05000	,04859	,316	-,1514	,0514

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

Lampiran 3

Model Kandang



Aklimatisasi Hewan Uji



Pembersihan Kandang Hewan Uji



Lampiran 4

Penimbangan Berat Badan Hewan Uji



Proses Paparan



Lampiran 5

Pengambilan Spermatozoa Hewan Uji dan Serum Darah



Persiapan alat bedah



Pembiusan Hewan uji



Penyayatan skrotum Hewan Uji



Hewan Uji Difiksasi



Testis ditarik keluar



Epididimis dikoleksi



Epydidimis diletakkan ke cairan fisiologis dibiarkan 30 menit



Penyayatan epydidimis

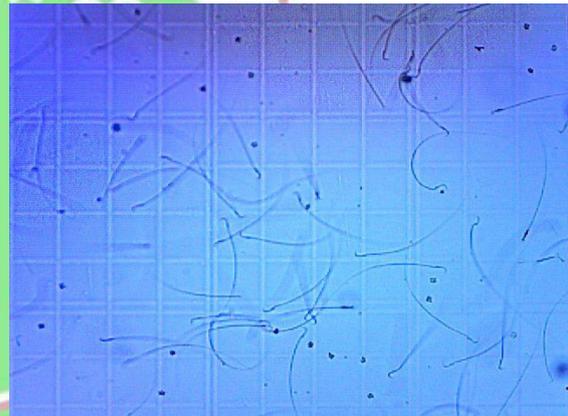


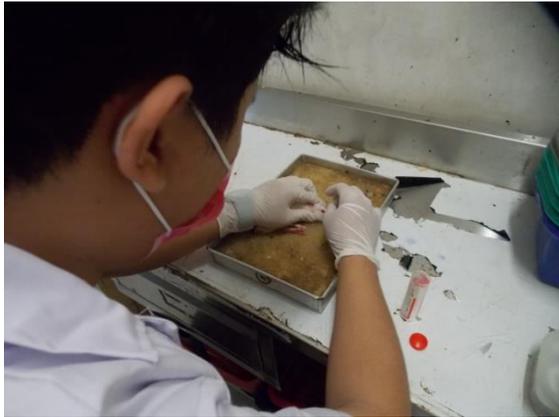
Foto sperma tikus dibawah mokroskop digital



Pipeting cairan fisiologis sebanyak 30ul / 50 tetes



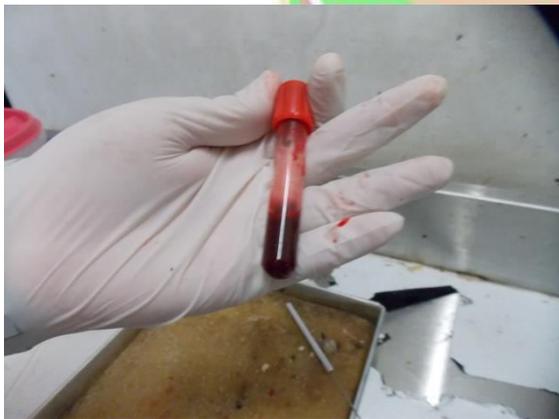
Pembiusan Hewan uji



Penetrasi pipa kapiler kedalam saccus orbitalis



Darah di tampung dengan vacuntiner



Darah siap untuk di sentrivugasi



