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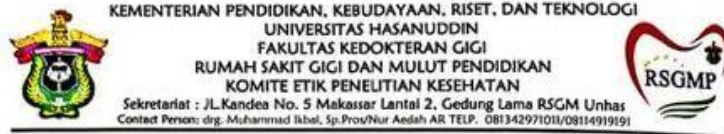
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LAMPIRAN

1. Etik penelitian



REKOMENDASI PERSETUJUAN ETIK Nomor: 0016/PL.09/KEPK FKG-RSGM UNHAS/2024

Tanggal: 24 Januari 2024

Dengan ini menyatakan bahwa protokol dan dokumen yang berhubungan dengan protokol berikut ini telah mendapatkan persetujuan etik:

No. Protokol	UH 17121026	No Protokol Sponsor	
Peneliti Utama	Drg. Wahyuni Madjid	Sponsor	Pribadi
Judul Peneliti	Perbedaan Ekspresi Runt-Related Transcription Factor 2 (RUNX2) Setelah Pemberian Etanol dalam Proses Remodeling Tulang Selama Aplikasi Gaya Ortodonti (In Vivo)		
No. Versi Protokol	1	Tanggal Versi	23 Januari 2024
No. Versi Protokol		Tanggal Versi	
Tempat Penelitian	1. Laboratorium Biomolekuler Fakultas Kedokteran Universitas Hasanuddin 2. Laboratorium Patologi Anatomi Rumah Sakit Pendidikan Universitas Hasanuddin 3. Laboratorium Biokimia Fakultas Kedokteran Universitas Brawijaya		
Dokumen Lain			
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard	Masa Berlaku 24 Januari 2024-24 Januari 2025	Frekuensi Review Lanjutan
Ketua Komisi Etik Penelitian	Nama: Dr. drg. Marhamah, M.Kes	Tanda Tangan 	Tanggal 24 Januari 2024
Sekretaris Komisi Etik Penelitian	Nama: drg. Muhammad Iqbal, Sp.Prost	Tanda Tangan 	Tanggal 24 Januari 2024

Kewajiban peneliti utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum diimplementasikan.
- Menyerahkan laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan lapor SUSAR dalam 72 jam setelah peneliti utama menerima laporan.
- Menyerahkan laporan kemajuan (*progress report*) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah.
- Menyerahkan laporan akhir setelah penelitian berakhir.
- Melaporkan penyimpangan dari protokol yang disetujui (*protocol deviation/violation*)
- Mematuhi semua aturan yang berlaku.

2. Dokumentasi pelaksanaan penelitian

a. Persiapan etanol

1) Tabel Komersi Dosis Manusia dan Hewan

	Mencit 20 gr	Tikus 200 gr	Marmut 400 gr	Kelinci 1,5 kg	Kucing 2 kg	Kea 4 kg	Anjing 12 kg	Manusia 70 kg
Mencit 20 gr	1,0	7,0	12,25	27,8	29,7	64,1	124,2	387,9
Tikus 200 gr	0,14	1,0	1,74	3,9	4,2	9,2	17,8	56,0
Marmut 400 gr	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	1,08	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
Kea 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	0,076	0,16	0,32	1,0

(Suhardjono D. 1995. *Percobaan Hewan Laboratorium*. Yogyakarta: Gajah Mada University Press, hal. 207)

2) Tabel Daftar Volume Maksimal Larutan Sediaan Uji yang Dapat Diberikan pada Berbagai Hewan

Jenis Hewan Uji	Volume Maksimal (ml) sesuai Jalur Pemberian				
	i.v.	i.m.	ip.	s.c.	p.o.
Mencit (20-30 gr)	0,5	0,05	1,0	0,5-10	1,0
Tikus (100 gr)	1,0	0,1	2,5	2,5	5,0
Hamster (50 gr)	-	0,1	1-2	2,5	2,5
Marmut (250 gr)	-	0,25	2-5	5,0	10,0
Merpati (300 gr)	2,0	0,5	2,0	2,0	10,0
Kelinci (2,5 kg)	5-10	0,5	10-20	5-10	20,0
Kucing (3 kg)	5-10	1,0	10-20	5-10	50,0
Anjing (5 kg)	10-20	5,0	20-50	10,0	100,0

(Suhardjono D. 1995. *Percobaan Hewan Laboratorium*. Yogyakarta: Gajah Mada University Press, hal. 207)

Not official text. Please refer to the currently official version of the applicable USP-NF or FCC standard for compliance purposes.

39

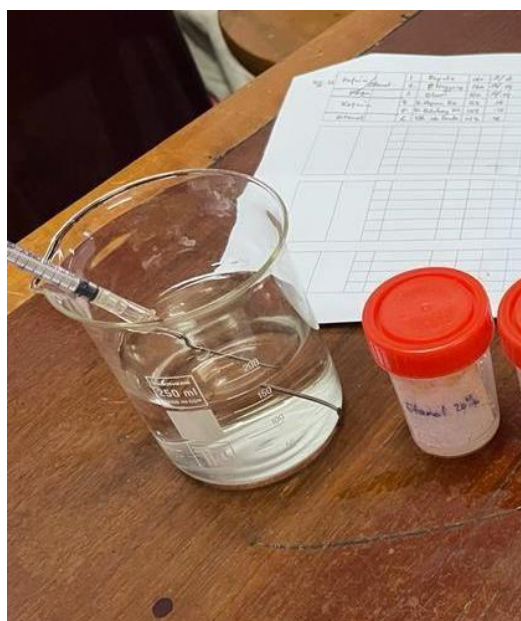
Reference Tables

ALCOHOLOMETRIC TABLE

Based on data appearing in the National Bureau of Standards Bulletin, vol. 9, pp. 424-425 (publication of the National Institute of Standards and Technology).

(1)	(2)	(3)		(4)		(5)	(6)	(7)		(8)
		Specific gravity in air		Percentage of C ₂ H ₅ OH				Specific gravity in air		
By volume at 15.56°C	By weight	At 25°/25°	At 15.56°/15.56°	By volume at 15.56°C	By weight	At 15.56°C	At 15.56°/15.56°	By volume at 15.56°C	By weight	
0	0.00	1.0000	1.0000	0	0.00	1.0000	1.0000	0	0.00	1.0000
1	0.80	0.9985	0.9985	1	1.26	0.9981	0.9981	1	1.26	0.9981
2	1.59	0.9970	0.9970	2	2.51	0.9963	0.9963	2	2.51	0.9963
3	2.39	0.9956	0.9956	3	3.76	0.9945	0.9945	3	3.76	0.9945
4	3.19	0.9941	0.9941	4	5.00	0.9927	0.9927	4	5.00	0.9927
5	4.00	0.9927	0.9928	5	6.24	0.9911	0.9912	5	6.24	0.9911
6	4.80	0.9914	0.9915	6	7.48	0.9894	0.9896	6	7.48	0.9894
7	5.61	0.9901	0.9902	7	8.71	0.9879	0.9881	7	8.71	0.9879
8	6.42	0.9888	0.9890	8	9.94	0.9863	0.9867	8	9.94	0.9863
9	7.23	0.9875	0.9878	9	11.17	0.9848	0.9852	9	11.17	0.9848
10	8.05	0.9862	0.9866	10	12.39	0.9833	0.9839	10	12.39	0.9833
11	8.86	0.9850	0.9854	11	13.61	0.9818	0.9825	11	13.61	0.9818
12	9.68	0.9838	0.9843	12	14.83	0.9804	0.9812	12	14.83	0.9804
13	10.50	0.9826	0.9832	13	16.05	0.9789	0.9799	13	16.05	0.9789
14	11.32	0.9814	0.9821	14	17.26	0.9776	0.9787	14	17.26	0.9776
15	12.14	0.9802	0.9810	15	18.47	0.9762	0.9774	15	18.47	0.9762
16	12.96	0.9790	0.9800	16	19.68	0.9748	0.9762	16	19.68	0.9748
17	13.79	0.9778	0.9789	17	20.88	0.9734	0.9751	17	20.88	0.9734
18	14.61	0.9767	0.9779	18	22.08	0.9720	0.9738	18	22.08	0.9720
19	15.44	0.9756	0.9769	19	23.28	0.9706	0.9726	19	23.28	0.9706
20	16.27	0.9745	0.9759	20	24.47	0.9692	0.9714	20	24.47	0.9692
21	17.10	0.9733	0.9749	21	25.66	0.9677	0.9701	21	25.66	0.9677
22	17.93	0.9721	0.9739	22	26.85	0.9663	0.9688	22	26.85	0.9663
23	18.77	0.9710	0.9729	23	28.03	0.9648	0.9675	23	28.03	0.9648
24	19.60	0.9698	0.9719	24	29.21	0.9633	0.9662	24	29.21	0.9633
25	20.44	0.9687	0.9708	25	30.39	0.9617	0.9648	25	30.39	0.9617
26	21.29	0.9675	0.9697	26	31.56	0.9601	0.9633	26	31.56	0.9601
27	22.13	0.9663	0.9687	27	32.72	0.9585	0.9620	27	32.72	0.9585
28	22.97	0.9652	0.9676	28	33.88	0.9568	0.9605	28	33.88	0.9568
29	23.82	0.9641	0.9664	29	35.03	0.9551	0.9590	29	35.03	0.9551
30	24.67	0.9629	0.9653	30	36.18	0.9534	0.9574	30	36.18	0.9534

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b. Pemasangan *closed coil spring* (CCS) dan pengukuran gaya ortodonti



c. Proses sondasi etanol ke hewan coba



d. *Sacrificed* hewan coba dan persiapan ke laboratorium patologi anatomi Universitas Brawijaya



e. Jaringan ditanam dalam paraffin dan preparat untuk pewarnaan IHC



3. Lampiran output SPSS

Tests of Normality

Kelompok	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
RUNX2 K	.152	15	.200*	.961	15	.717
P	.144	15	.200*	.957	15	.637

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Independent Samples Test

Levene's Test for Equality of Variances		t-test for Equality of Means					95% Confidence Interval of the Difference			
F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper		
RUNX2	Equal variances assumed	.188	.676	-4.389	8	.002	-3.40000	.77460	-5.18622	-1.61378
	Equal variances not assumed			-4.389	7.860	.002	-3.40000	.77460	-5.19177	-1.60823

Independent Samples Test

Levene's Test for Equality of Variances		t-test for Equality of Means					95% Confidence Interval of the Difference			
F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper		
RUNX2	Equal variances assumed	.496	.501	-3.900	8	.005	-3.40000	.87178	-5.41033	-1.38967
	Equal variances not assumed			-3.900	7.275	.005	-3.40000	.87178	-5.44576	-1.35424

Independent Samples Test

		Levene's Test for Equality of Variances					t-test for Equality of Means		95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
RUNX2	Equal variances assumed	.122	.736	-4.146	8	.003	-3.80000	.91652	-5.91349	-1.68651
	Equal variances not assumed			-4.146	7.720	.003	-3.80000	.91652	-5.92691	-1.67309

ANOVA

RUNX2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	16.933	2	8.467	4.980	.027
Within Groups	20.400	12	1.700		
Total	37.333	14			

ANOVA

RUNX2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	22.800	2	11.400	5.797	.017
Within Groups	23.600	12	1.967		
Total	46.400	14			