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LAMPIRAN

Lampiran 1. Hasil Analisis *Tensile Bond Strength* Restorasi Komposit

Hasil Uji dengan software SPSS

1. Hasil normality test

Tests of Normality							
	Group	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
TBS	AC	.144	9	.200 [*]	.948	9	.670
	NAC	.197	9	.200 [*]	.941	9	.591
	Control	.260	9	.081	.867	9	.113

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

2. Hasil homogeneity test

Test of Homogeneity of Variance					
		Levene			
		Statistic	df1	df2	Sig.
TBS	Based on Mean	1.039	2	24	.369
	Based on Median	.894	2	24	.422
	Based on Median and with adjusted df	.894	2	20.356	.425
	Based on trimmed mean	1.004	2	24	.381

2. Hasil One – way ANOVA

ANOVA					
TBS					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	17939.596	2	8969.798	87.293	<.001
Within Groups	2466.130	24	102.755		
Total	20405.726	26			

3. Hasil Post-Hoc Test

TBS					
Subset for alpha = 0.05					
Group		N	1	2	3
Tukey B ^a	NAC	9	53.5506		
	Control	9		70.8434	
	AC	9			114.7864

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 9.000.

Multiple Comparisons							
Dependent Variable: TBS							
	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Bonferroni	AC	NAC	61.23589*	4.77855	<.001	48.9376	73.5342
		Control	43.94300*	4.77855	<.001	31.6447	56.2413
	NAC	AC	-61.23589*	4.77855	<.001	-73.5342	-48.9376
		Control	-17.29289*	4.77855	.004	-29.5912	-4.9946
	Control	AC	-43.94300*	4.77855	<.001	-56.2413	-31.6447
		NAC	17.29289*	4.77855	.004	4.9946	29.5912

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

4. Hasil Uji t

Hasil uji perbedaan dapat dilihat dari table multiple comparison berikut dengan melihat perbandingan dari masing-masing kelompok.

Multiple Comparisons							
Dependent Variable: TBS							
	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Bonferroni	AC	NAC	61.23589*	4.77855	<.001	48.9376	73.5342
		Control	43.94300*	4.77855	<.001	31.6447	56.2413
	NAC	AC	-61.23589*	4.77855	<.001	-73.5342	-48.9376
		Control	-17.29289*	4.77855	.004	-29.5912	-4.9946
	Control	AC	-43.94300*	4.77855	<.001	-56.2413	-31.6447
		NAC	17.29289*	4.77855	.004	4.9946	29.5912

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

Lampiran 2. Dokumentasi Penelitian

Gambar Pembuatan Ekstrak Alga Coklat



Gambar Pengambilan Sampel Gigi *Bovine* di Rumah Pematangan Hewan (RPH) Pammolongan Antang



A



B

Keterangan : **A** .Rahang gigi *bovine* yang baru disembelih.
C. Proses pencabutan gigi *bovine*

Gambar Foto Pemeriksaan Intensitas Cahaya pada *Light Curing*



Keterangan : Pemeriksaan intensitas cahaya pada *light curing* yang digunakan menunjukkan hasil 1500 mW/cm²

Gambar Pembuatan Sampel



A



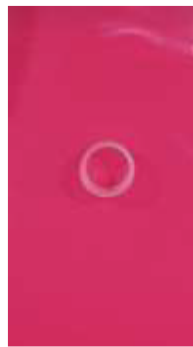
B



C



D



E



F



G



H



I



J



K



L



M



N

O

P



Q

Keterangan : A-I Alat dan bahan penelitian J.Persiapan gigi bovine. K-L Pemotongan gigi bovine menggunakan carborundum disc M.Pembersihan gigi bovine menggunakan alat ultrasonik N-Q alat dan bahan restorasi komposit

Gambar perlakuan sampel



A



B



C



D



E



F



G



H

Keterangan : **A-B** aplikasi bahan *bleaching* intrakoronal .**C-D**.Aplikasi alga coklat pada kelompok sampel 1 . **E**. Aplikasi bahan restorasi komposit **F-H** Penyimpanan pada inkubator pada suhu 37 °C

Gambar Pengujian Sampel




A




B

Keterangan **A**. Uji *tensile bond strength* pada sampel menggunakan *Universal Testing Machine* **B**. Hasil uji *tensile bond strength* menunjukkan terlepasnya bahan restorasi pada area *resin-dentin interface* yang telah diolesi bahan bonding

Lampiran 3. Rekomendasi Persetujuan Etik Penelitian



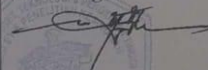
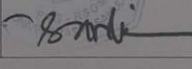
KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS HASANUDDIN
FAKULTAS KEDOKTERAN GIGI
RUMAH SAKIT GIGI DAN MULUT
KOMITE ETIK PENELITIAN KESEHATAN
 Sekretariat : Lantai 2, Gedung Lama RSGM Unhas
 Jl.Kandea No. 5 Makassar
Contact Person: drg. Muhammad Iqbal, Sp.Prof/Nur Aedah AR TELP. 081342971011/08114919191



REKOMENDASI PERSETUJUAN ETIK
 Nomor: 0092/PL.09/KEPK FKG-RSGM UNHAS/2023

Tanggal: 24 Mei 2023

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

No. Protokol	UH 17120829	No Protokol Sponsor	
Peneliti Utama	Drg. Aryuni Abd Gaffar	Sponsor	Pribadi
Judul Peneliti	Analisa Tensile Bond Strength pada Gigi Bovine dengan Menggunakan Sistem Adhesif Satu Tahap setelah Aplikasi Bleaching Intrakoronal dan Ekstrak Alga Cokelat (Sargassum Sp.)		
No. Versi Protokol	1	Tanggal Versi	15 Mei 2023
No. Versi Protokol		Tanggal Versi	
Tempat Penelitian	1. Laboratorium Fitokimia Fakultas Farmasi Universitas Hasanuddin Makassar 2. Rumah Pematangan Hewan Pammolongang Antang Makassar 3. Laboratorium FKG Universitas Hasanuddin Makassar 4. Laboratorium Oral Biologi FKG Universitas Hasanuddin Makassar 5. Laboratorium Metalurgi Fisik Fakultas Teknik Universitas Hasanuddin		
Dokumen Lain			
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard	Masa Berlaku 24 Mei 2023-24 Mei 2024	Frekuensi Review Lanjutan
Ketua Komisi Etik Penelitian	Nama: Dr. drg. Marhamah, M.Kes	Tanda Tangan 	Tanggal
Sekretaris Komisi Etik Penelitian	Nama: drg. Muhammad Iqbal, Sp.Prof	Tanda Tangan 	Tanggal

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.

