


**Lampiran 1**  
Surat Lolos Uji Etik Penelitian



**UNIVERSITAS INDONESIA**  
**FAKULTAS KEDOKTERAN GIGI**  
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**SURAT KETERANGAN**  
Nomor : 69/Etichal Clearance/II/FGGUI/2008

Setelah membaca dan mempelajari usulan penelitian nomor 69/Etichal Clearance/II/FGGUI/2008 tertanggal 10 April 2008, di Fakultas Kedokteran Gigi Universitas Indonesia

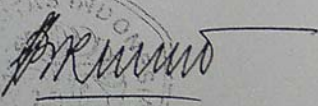
**Atas nama : drg. Ratna Farida, M.Phil**

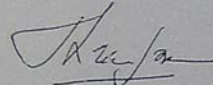
Judul : The Effects of Xylitol on Dental Pulp Cells

Penelitian ini menggunakan sampel pulpa gigi utuh yang baru diekstraksi di bagian Bedah Mulut RSGMP FKGUI dengan indikasi ekstraksi untuk perawatan ortodontik.

Komisi Etik Penelitian Fakultas Kedokteran Gigi Universitas Indonesia dapat mengeluarkan surat lolos etik untuk penelitian tersebut diatas.

Jakarta 11 April 2008

Mengetahui  
Dekan,  
  
Prof. Drg. Bambang Irawan, PhD  
NIP 130 870 092

Komisi Etik Penelitian  
Ketua,  
  
Dr. Drg. Ellyza Herda, MSi  
NIP 131 285 179

**Tabel.** Konsentrasi Protein Total Sel-sel Pulpa Gigi

No.	Kelompok	Protein Total (µg/ml)
1.	Kontrol	19933.751
2.	Kontrol	15493.004
3.	Kontrol	19829.775
4.	Kontrol	17723.457
5.	Kontrol	21920.323
6.	Kontrol	17562.036
7.	Kontrol	20628.972
8.	Xylitol 2%	24275.681
9.	Xylitol 2%	24670.409
10.	Xylitol 2%	24078.334
11.	Xylitol 2%	21512.641
12.	Xylitol 2%	22696.803
13.	Xylitol 2%	19660.462
14.	Xylitol 2%	24825.838
15.	Xylitol 2%	21880.776
16.	Xylitol 2%	23004.796
17.	Xylitol 2%	23707.312
18.	Xylitol 4%	22894.161
19.	Xylitol 4%	29209.709
20.	Xylitol 4%	30788.587
21.	Xylitol 4%	22894.161
22.	Xylitol 4%	27236.090
23.	Xylitol 4%	25262.484
24.	Xylitol 8%	23288.889
25.	Xylitol 8%	23683.606
26.	Xylitol 8%	24867.767
27.	Xylitol 8%	24867.767
28.	Xylitol 8%	21113.220
29.	Xylitol 8%	23373.081
30.	Xylitol 8%	24341.590
31.	Xylitol 8%	21597.482
32.	Xylitol 8%	21599.764
33.	Xylitol 16%	24280.685
34.	Xylitol 16%	16976.633
35.	Xylitol 16%	23050.239
36.	Xylitol 16%	22888.833
37.	Xylitol 16%	20054.227
38.	Xylitol 16%	21740.270

**Lampiran 3**  
Hasil Uji Statistik

**Tests of Normality**

Konsentrasi Xylitol	Shapiro-Wilk		
	Statistic	df	Sig.
Kontrol xylitol	.958	7	.799
Xylitol 2%	.921	10	.368
Xylitol 4%	.918	6	.491
Xylitol 8%	.893	9	.212
Xylitol 16%	.917	6	.484

**Test of Homogeneity of Variances**

Konsentrasi Protein

Levene Statistic	df1	df2	Sig.
2.262	4	33	0.083

**ANOVA**

	Sum of Squares	df	Mean Square	F	Sig.
<i>Between Groups</i>	188124048.891	4	47031012.223	9.831	.000
<i>Within Groups</i>	157872083.986	33	4784002.545		
<i>Total</i>	345996132.877	37			

*Descriptives*

Konsentrasi Xylitol			<i>Statistic</i>	<i>Std. Error</i>		
Konsentrasi Protein	Kontrol xylitol	<i>Mean</i>	19013.05	827.178		
		<i>95% Confidence Interval for Mean</i>	<i>Lower Bound</i>	16989.01		
			<i>Upper Bound</i>	21037.08		
		<i>5% Trimmed Mean</i>	19047.09			
		<i>Median</i>	19829.78			
		<i>Variance</i>	4789564.31			
		<i>Std. Deviation</i>	2188.51			
		<i>Minimum</i>	15493.00			
		<i>Maximum</i>	21920.32			
		<i>Range</i>	6427.32			
		<i>Interquartile Range</i>	3066.94			
		<i>Skewness</i>	-0.416	0.794		
		<i>Kurtosis</i>	-0.515	1.587		
		Xylitol 2%		<i>Mean</i>	23031.31	517.622
				<i>95% Confidence Interval for Mean</i>	<i>Lower Bound</i>	21860.36
					<i>Upper Bound</i>	24202.25
				<i>5% Trimmed Mean</i>	23118.88	
<i>Median</i>	23356.05					
<i>Variance</i>	2679330.18					
<i>Std. Deviation</i>	1636.87					
<i>Minimum</i>	19660.46					
<i>Maximum</i>	24825.84					
<i>Range</i>	5165.38					
<i>Interquartile Range</i>	2585.62					
<i>Skewness</i>	-0.944			0.687		
<i>Kurtosis</i>	0.452			1.334		
Xylitol 4%				<i>Mean</i>	26380.87	1338.242
				<i>95% Confidence Interval for Mean</i>	<i>Lower Bound</i>	22940.80
					<i>Upper Bound</i>	29820.93
				<i>5% Trimmed Mean</i>	26329.70	
		<i>Median</i>	26249.29			
		<i>Variance</i>	10745353.41			
		<i>Std. Deviation</i>	3278.01			
		<i>Minimum</i>	22894.16			
		<i>Maximum</i>	30788.59			
		<i>Range</i>	7894.43			
		<i>Interquartile Range</i>	6710.27			
		<i>Skewness</i>	0.194	0.845		

	<i>Kurtosis</i>		-1.769	1.741
Xylitol 8%	<i>Mean</i>		23192.57	480.463
	<i>95% Confidence Interval for Mean</i>	<i>Lower Bound</i>	22084.62	
		<i>Upper Bound</i>	24300.52	
	<i>5% Trimmed Mean</i>		23215.03	
	<i>Median</i>		23373.08	
	<i>Variance</i>		2077603.50	
	<i>Std. Deviation</i>		1441.39	
	<i>Minimum</i>		21113.22	
	<i>Maximum</i>		24867.77	
	<i>Range</i>		3754.55	
	<i>Interquartile Range</i>		3006.06	
	<i>Skewness</i>		-0.324	0.717
	<i>Kurtosis</i>		-1.521	1.400
Xylitol 16%	<i>Mean</i>		21498.48	1075.068
	<i>95% Confidence Interval for Mean</i>	<i>Lower Bound</i>	18734.93	
		<i>Upper Bound</i>	24262.03	
	<i>5% Trimmed Mean</i>		21595.13	
	<i>Median</i>		22314.55	
	<i>Variance</i>		6934626.31	
	<i>Std. Deviation</i>		2633.37	
	<i>Minimum</i>		16976.63	
	<i>Maximum</i>		24280.69	
	<i>Range</i>		7304.05	
	<i>Interquartile Range</i>		4073.02	
	<i>Skewness</i>		-1.109	0.845
	<i>Kurtosis</i>		0.910	1.741

#### Cases Processing Summary

		Cases					
		Valid		Missing		Total	
Konsentrasi Xylitol		N	Percent	N	Percent	N	Percent
Konsentrasi Protein	Kontrol xylitol	7	100%	0	0%	7	100%
	Xylitol 2%	10	100%	0	0%	10	100%
	Xylitol 4%	6	100%	0	0%	6	100%
	Xylitol 8%	9	100%	0	0%	9	100%
	Xylitol 16%	6	100%	0	0%	6	100%

**Multiple Comparisons**

*Dependent Variable : Konsentrasi Protein*

*LSD*

(I) Konsentrasi Xylitol	(J) Konsentrasi Xylitol	Mean	Std. Error	Sig.	95% Confidence Interval	
		Difference (I-J)			Upper Bound	Lower Bound
Kontrol xylitol	Xylitol 2%	-4018.2598	1077.882	0.001	-6211.2268	-1825.2927
	Xylitol 4%	-7367.8199	1216.866	0.000	-9843.5523	-4892.0876
	Xylitol 8%	-4179.5286	1102.263	0.001	-6422.1005	-1936.9567
	Xylitol 16%	-2485.4357	1216.866	0.049	-4961.1681	-9.7034
Xylitol 2%	Kontrol xylitol	4018.2598	1077.882	0.001	1825.2927	6211.2268
	Xylitol 4%	-3349.5601	1129.484	0.006	-5647.5125	-1051.6077
	Xylitol 8%	-161.2688	1004.966	0.873	-2205.8869	1883.3493
	Xylitol 16%	1532.8240	1129.484	0.184	-765.1284	3830.7764
Xylitol 4%	Kontrol xylitol	7367.8199	1216.866	0.000	4892.0876	9843.5523
	Xylitol 2%	3349.5601	1129.484	0.006	1051.6077	5647.5125
	Xylitol 8%	3188.2913	1152.775	0.009	842.9535	5533.6292
	Xylitol 16%	4882.3842	1262.801	0.000	2313.1953	7451.5730
Xylitol 8%	Kontrol xylitol	4179.5286	1102.263	0.001	1936.9567	6422.1005
	Xylitol 2%	161.2688	1004.966	0.873	-1883.3493	2205.8869
	Xylitol 4%	-3188.2913	1152.775	0.009	-5533.6292	-842.9535
	Xylitol 16%	1694.0928	1152.775	0.151	-651.2450	4039.4307
Xylitol 16%	Kontrol xylitol	2485.4357	1216.866	0.049	9.7034	4961.1681
	Xylitol 2%	-1532.8240	1129.484	0.184	-3830.7764	765.1284
	Xylitol 4%	-4882.3842	1262.801	0.000	-7451.5730	-2313.1953
	Xylitol 8%	-1694.0928	1152.775	0.151	-4039.4307	651.2450

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

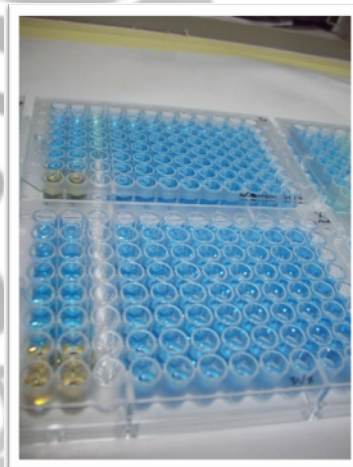
**Lampiran 4**  
Dokumentasi



**Gambar 1.** Sub-kultur Sel-sel Pulpa Gigi pada 24 well plate



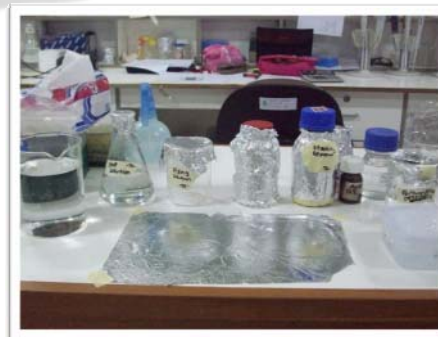
**Gambar 2.** Sentrifuge



**Gambar 3.** Reaksi Sampel Protein dengan Coomassie Brilliant Blue G-250



**Gambar 4.** Bak Elektroforesis yang digunakan dalam proses SDS PAGE



**Gambar 5.** Silver Staining Kit



**Gambar 6.** Foto Bersama Kelompok Skripsi, Pembimbing dan Penguji Usai Sidang Skripsi

