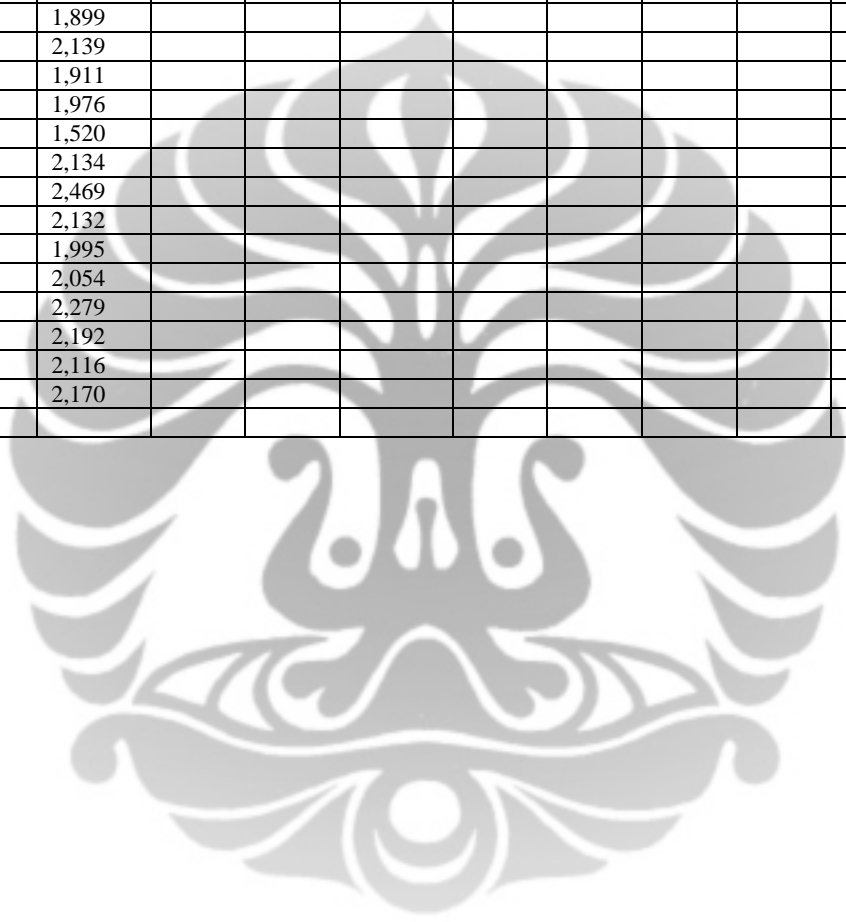


Lampiran 1.
Data Nilai Absorbansi (OD) Sel-Sel Osteoblas

Sampel	Kontrol	Pasta IBX			Pasta IHA-C			Pasta IHA		
		1 %	0,5 %	0,25%	1 %	0,5 %	0,25 %	1 %	0,5 %	0,25%
1	2,058	1,962	2,278	2,393	2,264	2,508	2,332	2,120	2,037	2,243
2	1,597	2,162	2,107	2,246	2,202	2,275	2,382	2,265	2,179	2,394
3	1,854	2,213	2,045	2,538	2,146	2,053	2,198	2,329	2,151	2,459
4	1,991	2,041	2,229	1,919	2,177	2,288	2,218	2,399	2,339	2,424
5	2,140	2,317	2,261	2,106	2,061	2,243	2,386	2,384	2,252	2,248
6	2,173	2,195	2,253	2,210	1,758	2,365	2,404	1,707	2,141	2,373
7	2,341	1,965	2,241	2,259	2,308	2,170	2,385	2,224	1,982	2,397
8	2,238	2,262	2,378	2,230	2,112	1,965	2,226	2,392	2,218	2,491
9	2,125									
10	2,133									
11	1,899									
12	2,139									
13	1,911									
14	1,976									
15	1,520									
16	2,134									
17	2,469									
18	2,132									
19	1,995									
20	2,054									
21	2,279									
22	2,192									
23	2,116									
24	2,170									



Lampiran 2.
Uji Normalitas Shapiro-Wilk

Jenis Pasta		Kolgororov-Smirnov(a)			Shapiro-Wilk		
		Statistik	df	Sig.	Statistik	df	Sig.
Nilai OD	Pasta IBX 1%	.191	8	.200(*)	.913	8	.375
	Pasta IBX 0.5%	.269	8	.091	.916	8	.395
	Pasta IBX 0.25%	.204	8	.200(*)	.961	8	.820
	Pasta IHA-C 1%	.220	8	.200(*)	.856	8	.109
	Pasta IHA-C 0.5%	.147	8	.200(*)	.981	8	.968
	Pasta IHA-C 0.25%	.273	8	.080	.810	8	.037
	Pasta IHA 1%	.244	8	.177	.767	8	.013
	Pasta IHA 0.5%	.176	8	.200(*)	.978	8	.953
	Pasta IHA 0.25%	.225	8	.200(*)	.892	8	.244
	Kontrol	.173	24	.060	.921	24	.062

* Batas bawah kemaknaan yang sebenarnya.
a Lilliefors *Significance Correction*

Lampiran 3.
Uji Homogenitas Levene

Nilai OD

Levene <i>Statistic</i>	df1	df2	Sig.
.916	9	86	.516

Lampiran 4
Uji Beda Data Dengan *One Way* ANOVA

Nilai OD

	<i>Sum of Squares</i>	df	<i>Mean Square</i>	F	Sig.
<i>Between Groups</i>	.878	9	.098	3.446	.001
<i>Within Groups</i>	2.436	86	.028		
Total	3.315	95			

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Lanjutan Lampiran 4: *Multiple Comparison*

(I) Jenis Pasta	(J) Jenis Pasta	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Pasta IBX 1%	Pasta IBX 0.5%	-.084375	.084153	.319	-.25167	.08292
	Pasta IBX 0.25%	-.098000	.084153	.247	-.26529	.06929
	Pasta IHA-C 1%	.011125	.084153	.895	-.15617	.17842
	Pasta IHA-C 0.5%	-.093750	.084153	.268	-.26104	.07354
	Pasta IHA-C 0.25%	-.176750(*)	.084153	.039	-.34404	-.00946
	Pasta IHA 1%	-.087875	.084153	.299	-.25517	.07942
	Pasta IHA 0.5%	-.022750	.084153	.788	-.19004	.14454
	Pasta IHA 0.25%	-.239000(*)	.084153	.006	-.40629	-.07171
	Kontrol	.071458	.068711	.301	-.06513	.20805
	Pasta IBX 0.5%	Pasta IBX 1%	.084375	.084153	.319	-.08292
Pasta IBX 0.25%		-.013625	.084153	.872	-.18092	.15367
Pasta IHA-C 1%		.095500	.084153	.260	-.07179	.26279
Pasta IHA-C 0.5%		-.009375	.084153	.912	-.17667	.15792
Pasta IHA-C 0.25%		-.092375	.084153	.275	-.25967	.07492
Pasta IHA 1%		-.003500	.084153	.967	-.17079	.16379
Pasta IHA 0.5%		.061625	.084153	.466	-.10567	.22892
Pasta IHA 0.25%		-.154625	.084153	.070	-.32192	.01267
Kontrol		.155833(*)	.068711	.026	.01924	.29243
Pasta IBX 0.25%		Pasta IBX 1%	.098000	.084153	.247	-.06929
	Pasta IBX 0.5%	.013625	.084153	.872	-.15367	.18092
	Pasta IHA-C 1%	.109125	.084153	.198	-.05817	.27642
	Pasta IHA-C 0.5%	.004250	.084153	.960	-.16304	.17154
	Pasta IHA-C 0.25%	-.078750	.084153	.352	-.24604	.08854
	Pasta IHA 1%	.010125	.084153	.905	-.15717	.17742
	Pasta IHA 0.5%	.075250	.084153	.374	-.09204	.24254
	Pasta IHA 0.25%	-.141000	.084153	.097	-.30829	.02629
	Kontrol	.169458(*)	.068711	.016	.03287	.30605

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Lanjutan Lampiran 4: *Multiple Comparison*

(I) Jenis Pasta	(J) Jenis Pasta	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
		Lower Bound	Upper Bound	Lower Bound	Upper Bound	Lower Bound
Pasta IHA-C 1%	Pasta IBX 1%	-.011125	.084153	.895	-.17842	.15617
	Pasta IBX 0.5%	-.095500	.084153	.260	-.26279	.07179
	Pasta IBX 0.25%	-.109125	.084153	.198	-.27642	.05817
	Pasta IHA-C 0.5%	-.104875	.084153	.216	-.27217	.06242
	Pasta IHA-C 0.25%	-.187875(*)	.084153	.028	-.35517	-.02058
	Pasta IHA 1%	-.099000	.084153	.243	-.26629	.06829
	Pasta IHA 0.5%	-.033875	.084153	.688	-.20117	.13342
	Pasta IHA 0.25%	-.250125(*)	.084153	.004	-.41742	-.08283
	Kontrol	.060333	.068711	.382	-.07626	.19693
Pasta IHA-C 0.5%	Pasta IBX 1%	.093750	.084153	.268	-.07354	.26104
	Pasta IBX 0.5%	.009375	.084153	.912	-.15792	.17667
	Pasta IBX 0.25%	-.004250	.084153	.960	-.17154	.16304
	Pasta IHA-C 1%	.104875	.084153	.216	-.06242	.27217
	Pasta IHA-C 0.25%	-.083000	.084153	.327	-.25029	.08429
	Pasta IHA 1%	.005875	.084153	.945	-.16142	.17317
	Pasta IHA 0.5%	.071000	.084153	.401	-.09629	.23829
	Pasta IHA 0.25%	-.145250	.084153	.088	-.31254	.02204
	Kontrol	.165208(*)	.068711	.018	.02862	.30180
Pasta IHA-C 0.25%	Pasta IBX 1%	.176750(*)	.084153	.039	.00946	.34404
	Pasta IBX 0.5%	.092375	.084153	.275	-.07492	.25967
	Pasta IBX 0.25%	.078750	.084153	.352	-.08854	.24604
	Pasta IHA-C 1%	.187875(*)	.084153	.028	.02058	.35517
	Pasta IHA-C 0.5%	.083000	.084153	.327	-.08429	.25029
	Pasta IHA 1%	.088875	.084153	.294	-.07842	.25617
	Pasta IHA 0.5%	.154000	.084153	.071	-.01329	.32129
	Pasta IHA 0.25%	-.062250	.084153	.461	-.22954	.10504
	Kontrol	.248208(*)	.068711	.001	.11162	.38480

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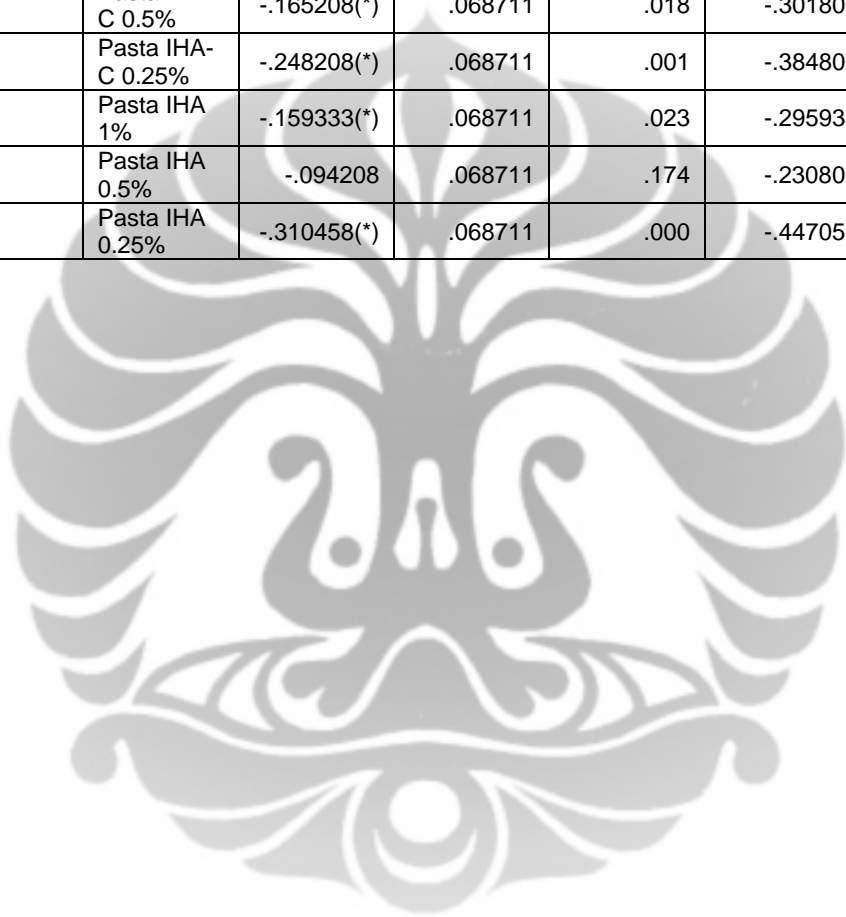
Lanjutan Lampiran 4: *Multiple Comparison*

(I) Jenis Pasta	(J) Jenis Pasta	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Pasta IHA 1%	Pasta IBX 1%	.087875	.084153	.299	-.07942	.25517
	Pasta IBX 0.5%	.003500	.084153	.967	-.16379	.17079
	Pasta IBX 0.25%	-.010125	.084153	.905	-.17742	.15717
	Pasta IHA-C 1%	.099000	.084153	.243	-.06829	.26629
	Pasta IHA-C 0.5%	-.005875	.084153	.945	-.17317	.16142
	Pasta IHA-C 0.25%	-.088875	.084153	.294	-.25617	.07842
	Pasta IHA 0.5%	.065125	.084153	.441	-.10217	.23242
	Pasta IHA 0.25%	-.151125	.084153	.076	-.31842	.01617
	Kontrol	.159333(*)	.068711	.023	.02274	.29593
Pasta IHA 0.5%	Pasta IBX 1%	.022750	.084153	.788	-.14454	.19004
	Pasta IBX 0.5%	-.061625	.084153	.466	-.22892	.10567
	Pasta IBX 0.25%	-.075250	.084153	.374	-.24254	.09204
	Pasta IHA-C 1%	.033875	.084153	.688	-.13342	.20117
	Pasta IHA-C 0.5%	-.071000	.084153	.401	-.23829	.09629
	Pasta IHA-C 0.25%	-.154000	.084153	.071	-.32129	.01329
	Pasta IHA 1%	-.065125	.084153	.441	-.23242	.10217
	Pasta IHA 0.25%	-.216250(*)	.084153	.012	-.38354	-.04896
	Kontrol	.094208	.068711	.174	-.04238	.23080
Pasta IHA 0.25%	Pasta IBX 1%	.239000(*)	.084153	.006	.07171	.40629
	Pasta IBX 0.5%	.154625	.084153	.070	-.01267	.32192
	Pasta IBX 0.25%	.141000	.084153	.097	-.02629	.30829
	Pasta IHA-C 1%	.250125(*)	.084153	.004	.08283	.41742
	Pasta IHA-C 0.5%	.145250	.084153	.088	-.02204	.31254
	Pasta IHA-C 0.25%	.062250	.084153	.461	-.10504	.22954
	Pasta IHA 1%	.151125	.084153	.076	-.01617	.31842
	Pasta IHA 0.5%	.216250(*)	.084153	.012	.04896	.38354
	Kontrol	.310458(*)	.068711	.000	.17387	.44705

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Lanjutan Lampiran 4: *Multiple Comparison*

(I) Jenis Pasta	(J) Jenis Pasta	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol	Pasta IBX 1%	-.071458	.068711	.301	-.20805	.06513
	Pasta IBX 0.5%	-.155833(*)	.068711	.026	-.29243	-.01924
	Pasta IBX 0.25%	-.169458(*)	.068711	.016	-.30605	-.03287
	Pasta IHA-C 1%	-.060333	.068711	.382	-.19693	.07626
	Pasta IHA-C 0.5%	-.165208(*)	.068711	.018	-.30180	-.02862
	Pasta IHA-C 0.25%	-.248208(*)	.068711	.001	-.38480	-.11162
	Pasta IHA 1%	-.159333(*)	.068711	.023	-.29593	-.02274
	Pasta IHA 0.5%	-.094208	.068711	.174	-.23080	.04238
	Pasta IHA 0.25%	-.310458(*)	.068711	.000	-.44705	-.17387



Lampiran 5 Foto Alat dan Bahan



Inkubator digunakan untuk inkubasi kultur sel



Microplate Reader digunakan untuk pembacaan hasil MTT assay



Shaker digunakan untuk homogenisasi



Centrifuge digunakan untuk sentrifugasi suspensi



MTT (SIGMA)



Isopropanol dipaparkan setelah inkubasi 3 jam pada prosedur MTT assay

Lampiran 6
Foto Bersama Pembimbing dan Penguji



Keterangan: dari kiri-kanan) Drg. Ariadna Adisattya Djais, M.Biomed, PhD; Drg. Lakshmi A. Leepel, MS; Drg. Endang Winiati Bachtiar, M.Biomed, PhD; Rininta Aprilia; Nadhia Anindhita Harsas; Nurul Faizah; Drg. Boy M. Bachtiar, MS, PhD

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Lampiran 7
Surat Persetujuan Etik



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SURAT KETERANGAN LOLOS ETIK

Nomor: 15/Ethical Clearance/FKGUI/X/2008

Setelah membaca dan mempelajari usulan penelitian atas nama:

1. Nadhia Anindhita Harsas NPM: 0205000591
2. Rininta Aprilia NPM: 0205007081

Judul: "Evaluasi efek toksik dan osteoinduksi pasta *injectable hydroxyapatite*, *injectable hydroxyapatite chitosan*, dan *injectable bone xenograft* pada *osteoblast cell line (in vitro)*".

Dengan ini Komisi Etik Penelitian Fakultas Kedokteran Gigi Universitas Indonesia menerangkan bahwa penelitian tersebut di atas dinyatakan lolos etik.

Jakarta, 7 Oktober 2008

Ketua Komisi Etik Penelitian FKGUI,



Mengetahui,
Wakil Dekan FKGUI,
Prof. Dr. drg. M. Suharsini Soetopo, SU, Sp.KGA
NIP. 130 818 226


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NIP. 131 289 206