




LAMPIRAN

Lampiran 1. Surat Keterangan *Ethical Clearance* penelitian

	KOMISI ETIK PENELITIAN KESEHATAN FAKULTAS KEDOKTERAN GIGI UNIVERSITAS ISLAM SULTAN AGUNG Sekretariat: Fakultas Kedokteran Gigi UNISSULA Jl. Raya Kallgawe Km.04 Semarang 50112 Telp. (024) 6583584, Fax 024-6594366
KETERANGAN LOLOS KAJI ETIK DESCRIPTION OF ETHICAL APPROVAL "ETHICAL APPROVAL" No. 028/B.1-KEPK/SA-FKG/II/2019	
Protokol penelitian yang diusulkan oleh : <i>The research protocol proposed by</i>	
Peneliti utama <i>Principal In Investigator</i>	: AMINAH SANIA
Pembimbing <i>Supervisor</i>	: 1. drg. Arlina Nurhapsari Sp.KG 2. drg. Muhamat Muhtar S. A, M.Biomed
Nama Institusi <i>Name of the Institution</i>	: FAKULTAS KEDOKTERAN GIGI UNISSULA
Tempat Penelitian <i>Research Place</i>	: 1. LABORATORIUM TERPADU UNIVERSITAS DIPONEGORO 2. LABORATORIUM KIMIA UNIVERSITAS SEMARANG
Dengan judul <i>Title</i>	: PENGARUH INTENSITAS CAHAYA LIGHT CURED TERHADAP DERAJAT KONVERSI RESIN KOMPOSIT BULK FILL FLOWABLE
Dinyatakan layak etik sesuai 7 (tujuh) Standar WHO 2011, yaitu: 1) Nilai Sosial, 2) Nilai Ilmiah, 3) Pemerataan Beban dan Manfaat, 4) Risiko, 5) Bujukan / Eksploitasi, 6) Kerahasiaan dan Privacy, dan 7) Persetujuan Setelah Penjelasan, yang merujuk pada Pedoman CIOMS 2016. Hal ini seperti yang ditunjukkan oleh terpenuhinya indikator setiap standar.	
<i>Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011 Standards : 1) Social Values, 2) Scientific Values, 3) Equitable Assessment and Benefits, 4) Risks, 5) Persuasion / Exploitation, 6) Confidentiality and Privacy, and 7) Informed Consent, referring to the 2016 CIOMS Guidelines This is as indicated by the fulfillment of the indicators of each standard.</i>	
Pernyataan Laik Etik ini berlaku selama kurun waktu tanggal 1 Januari 2019 sampai dengan tanggal 1 Januari 2020. <i>This declaration of ethics applies during the period January 1, 2019 until January 1, 2020.</i>	
Mengetahui, Wakil Dekan I	Semarang, 4 Maret 2019 Ketua Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Gigi UNISSULA
 Dr. drg. Yavun Siti Rochmah, Sp. BM NIK. 210100058	 Dr. Sandy Christiano, Sp.KGA NIK. 211010012

Lampiran 2. Hasil Keterangan Hasil Analisis Sampel



UNIT JASA INDUSTRI
LABORATORIUM KIMIA
JURUSAN KIMIA FAKULTAS MIPA-UNNES
Gedung D-8 Kampus Sekaran, Gunung pati, Semarang (50229)
Telp. 024-8508035; Website: <http://www.kimia.unnes.ac.id/>

SURAT KETERANGAN PENGUJIAN SAMPEL

Yang bertanda tangan dibawah ini Direktur Progam Uji Laboratorium Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Negeri Semarang menerangkan bahwa :

Nama : **Aminah Sania**
Institusi : **Fakultas Kedokteran Gigi - FKG**
(Universitas Islam Sultan Agung Semarang (UNISSULA))

Telah melakukan pengujian sampel dengan menggunakan instrumentasi **Fourier Transform Infra Red (FTIR)** merk Perkin Elmer di Laboratorium Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Negeri Semarang pada bulan Januari 2019. Hasil pengujian terlampir.

Demikian surat keterangan ini dibuat untuk digunakan sebagaimana mestinya.

Semarang, 28 Januari 2019
Direktur program Uji



Dr. Sri Susilogati Sumarti S, M.Si
NIP.195711121983032002

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Lampiran 3. Hasil Analisis Data

Descriptives

Derajat konversi

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
3 M Low	4	63.1975	.15064	.07532	62.9578	63.4372	63.04	63.40
3M Soft Start	4	72.3325	.28791	.14395	71.8744	72.7906	72.03	72.70
3 M High	4	56.3175	.20950	.10475	55.9841	56.6509	56.10	56.60
Ivoclar Low	4	70.0450	.04203	.02102	69.9781	70.1119	70.00	70.10
Ivoclar soft start	4	70.0350	.03697	.01848	69.9762	70.0938	70.00	70.08
Ivoclar High	4	70.8450	.39678	.19839	70.2136	71.4764	70.28	71.20
Total	24	67.1288	5.75456	1.17464	64.6988	69.5587	56.10	72.70

Tests of Normality

	KELOMPOK	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
DC	3 M Low	.243	4	.	.961	4	.783
	3M Soft Start	.177	4	.	.980	4	.904
	3 M High	.245	4	.	.959	4	.770
	Ivoclar Low	.203	4	.	.980	4	.899
	Ivoclar soft start	.251	4	.	.927	4	.574
	Ivoclar High	.305	4	.	.892	4	.390

a. Lilliefors Significance Correction

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
DC	Based on Mean	2.557	5	18	.065
	Based on Median	1.571	5	18	.219
	Based on Median and with adjusted df	1.571	5	6.697	.287
	Based on trimmed mean	2.362	5	18	.082

ANOVA

DC

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	760.713	5	152.143	2944.299	.000
Within Groups	.930	18	.052		
Total	761.643	23			

Multiple Comparisons

Dependent Variable: DC

Post Hoc HSD

(I) KELOMPOK	(J) KELOMPOK	Mean	Std. Error	Sig.	95% Confidence Interval	
		Difference (I-J)			Lower Bound	Upper Bound
3 M Low	3M Soft Start	-9.13500 [*]	.16074	.000	-9.6458	-8.6242
	3 M High	6.88000 [*]	.16074	.000	6.3692	7.3908
	Ivoclar Low	-6.84750 [*]	.16074	.000	-7.3583	-6.3367
	Ivoclar soft start	-6.83750 [*]	.16074	.000	-7.3483	-6.3267
	Ivoclar High	-7.64750 [*]	.16074	.000	-8.1583	-7.1367
3M Soft Start	3 M Low	9.13500 [*]	.16074	.000	8.6242	9.6458
	3 M High	16.01500 [*]	.16074	.000	15.5042	16.5258
	Ivoclar Low	2.28750 [*]	.16074	.000	1.7767	2.7983
	Ivoclar soft start	2.29750 [*]	.16074	.000	1.7867	2.8083
	Ivoclar High	1.48750 [*]	.16074	.000	.9767	1.9983
3 M High	3 M Low	-6.88000 [*]	.16074	.000	-7.3908	-6.3692
	3M Soft Start	-16.01500 [*]	.16074	.000	-16.5258	-15.5042
	Ivoclar Low	-13.72750 [*]	.16074	.000	-14.2383	-13.2167
	Ivoclar soft start	-13.71750 [*]	.16074	.000	-14.2283	-13.2067
	Ivoclar High	-14.52750 [*]	.16074	.000	-15.0383	-14.0167
Ivoclar Low	3 M Low	6.84750 [*]	.16074	.000	6.3367	7.3583
	3M Soft Start	-2.28750 [*]	.16074	.000	-2.7983	-1.7767
	3 M High	13.72750 [*]	.16074	.000	13.2167	14.2383
	Ivoclar soft start	.01000	.16074	1.000	-.5008	.5208
	Ivoclar High	-.80000 [*]	.16074	.001	-1.3108	-.2892
Ivoclar soft start	3 M Low	6.83750 [*]	.16074	.000	6.3267	7.3483
	3M Soft Start	-2.29750 [*]	.16074	.000	-2.8083	-1.7867
	3 M High	13.71750 [*]	.16074	.000	13.2067	14.2283
	Ivoclar Low	-.01000	.16074	1.000	-.5208	.5008
	Ivoclar High	-.81000 [*]	.16074	.001	-1.3208	-.2992
Ivoclar High	3 M Low	7.64750 [*]	.16074	.000	7.1367	8.1583
	3M Soft Start	-1.48750 [*]	.16074	.000	-1.9983	-.9767
	3 M High	14.52750 [*]	.16074	.000	14.0167	15.0383
	Ivoclar Low	.80000 [*]	.16074	.001	.2892	1.3108
	Ivoclar soft start	.81000 [*]	.16074	.001	.2992	1.3208

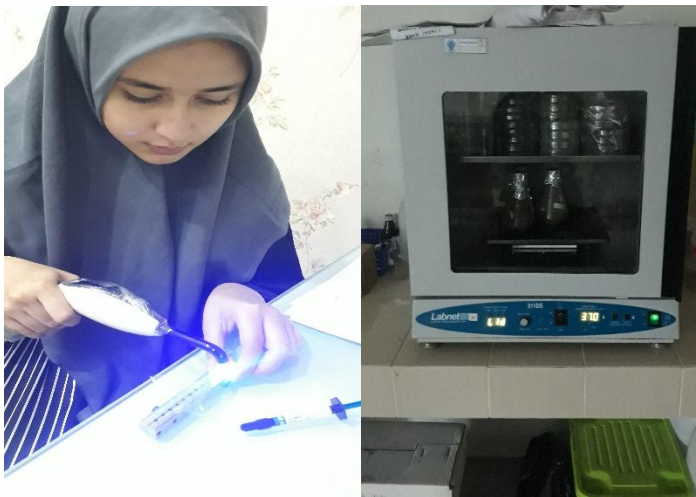
*. The mean difference is significant at the 0.05 level.

Lampiran 2. Foto Penelitian



1. Persiapan alat dan bahan

2. Pembuatan sampel



2. *Light curing* sampel

3. Inkubasi 37°C

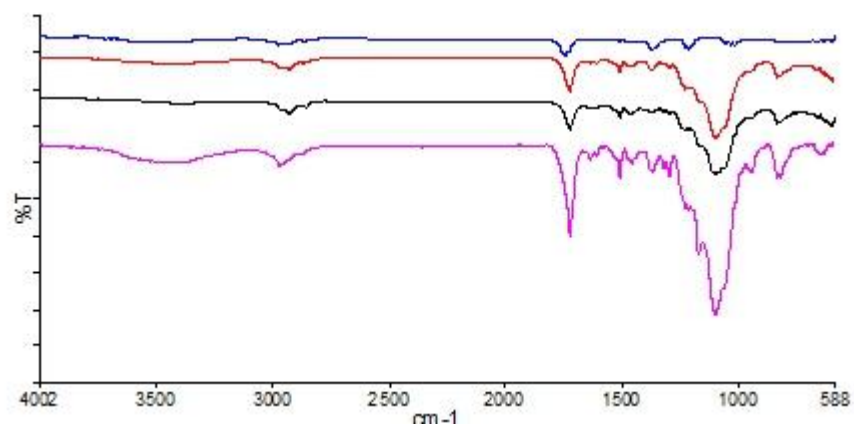
4 . Spektra Hasil FTIR

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Report Details

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Spectrum





PENGARUH INTENSITAS CAHAYA LIGHT CURED TERHADAP DERAJAT KONVERSI RESIN KOMPOSIT BULK FILL FLOWABLE

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