

## DAFTAR PUSTAKA

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# LAMPIRAN SURAT PENELITIAN



KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI  
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**SURAT PENUGASAN**  
No. 3239/UN4.13.1/PT.01.04/2019

Dari : Wakil Dekan Bidang Bidang Akademik, Riset dan Inovasi Fakultas Kedokteran Gigi Universitas Hasanuddin

Kepada : 1. Dr. drg. Lenny Indriyani Hatta, M.Kes  
2. Fariz Alif Ichsan (J111 14 510)

Isi : 1. Menugaskan kepada yang tersebut di atas untuk melakukan penelitian dengan judul:  
"Pengaruh Perendaman dan Penyemprotan Larutan Organik Daun Siri (*pipper betfe linn*) dan gel lidah buaya (Aloe vera L) terhadap bahan cetak alginat"  
2. Bahwa saudara yang namanya tersebut di atas dipandang mampu dan memenuhi syarat untuk melaksanakan tugas tersebut.  
3. Agar Penugasan ini dilaksanakan dengan sebaik-baiknya dengan penuh rasa tanggung jawab.  
4. Segala biaya yang dikeluarkan dibebankan kepada Peneliti.  
5. Surat Penugasan ini berlaku sejak tanggal ditetapkan sampai dengan selesainya proses penelitian, dengan ketentuan bahwa apabila dikemudian hari terdapat kekeliruan dalam surat penugasan ini, akan diadakan perbaikan sebagaimana mestinya.

Ditetapkan di : Makassar  
Pada Tanggal : 6 Desember 2019



Wakil Dekan Bidang Akademik, Riset dan Inovasi

Prof. Dr. drg. Edy Machmud, Sp. Pros(K)  
NIP.19631104.199401.1.001

Tembusan Yth:  
1. Dekan FKG Unhas (sebagai laporan)  
2. Kepala Bagian Tata Usaha FKG Unhas  
3. Yang Bersangkutan.





**KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI**  
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No : 3240 /UN4.13.1/PT.01.04/2019  
Perihal : Izin Penelitian

6 Desember 2019

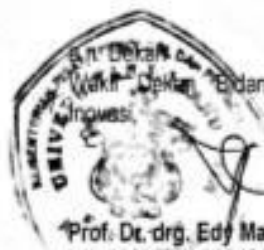
Kepada Yth.  
- Dekan Fakultas Farmasi Universitas Hasanuddin  
- Kepala Laboratorium Dental Material FKG Unhas  
Makassar

Dengan hormat kami sampaikan bahwa mahasiswa Program Studi Sarjana Kedokteran Gigi, Fakultas Kedokteran Gigi Universitas Hasanuddin bermaksud untuk melakukan penelitian dalam rangka penyusunan karya ilmiah.

Sehubungan dengan hal tersebut, kiranya dapat diberikan izin penelitian kepada Mahasiswa Fakultas Kedokteran Gigi Universitas Hasanuddin.

Nama & Stambuk : **Fariz Alif Ichsan (J111 14 510)**  
Waktu Penelitian : Desember 2019 - selesai.  
Tempat Penelitian : Laboratorium Fitokimia Fakultas Farmasi Universitas Hasanuddin  
Judul Penelitian : "Pengaruh Perendaman dan Penyemprotan Larutan Organik Daun Siri (*piper betle linn*) dan gel lidah buaya (*Aloe vera L*) terhadap bahan cetak alginat"

Demikian, atas perhatian dan kerjasama diucapkan terima kasih.



Edang Akademik, Riset dan  
Prof. Dr. drg. Edy Machmud, Sp. Pros(K)  
NIP 19631104\_189401 1 001

Tembusan Yth:  
1. Dekan FKG Unhas (sebagai laporan)  
2. Kepala Laboratorium Fitokimia Fakultas Farmasi Unhas  
3. Kepala Bagian Tata Usaha FKG Unhas

## LAMPIRAN DATA PENELITIAN

NO	Variabel	Tanpa perlakuan			Perendaman 5 menit			Perendaman 10 menit		
		Berat (gr)	Ukuran (mm)		Berat (gr)	Ukuran (mm)		Berat (gr)	Ukuran (mm)	
			H	V		H	V		H	V
1.	Larutan Lidah Buaya (1)	34.9	52	35	35	54	36	35.5	53	36.5
	Larutan Lidah Buaya (2)	44.8	52	35	45.3	54	32	45.0	54	37
	Larutan Lidah Buaya (3)	36	52	35	36.3	54	36	36.4	54	38
2.	Larutan Daun Sirih (1)	35.7	52	35	33.3	53	38	34	53	36
	Larutan Daun Sirih (2)	36	52	35	39.2	54	39	38.6	53	37
	Larutan Daun Sirih (3)	36	52	35	35.5	54	37	34.8	52	36

NO	Variabel	Tanpa perlakuan			Penyemprotan 5 menit			Penyemprotan 10 menit		
		Berat (gr)	Ukuran (mm)		Berat (gr)	Ukuran (mm)		Berat (gr)	Ukuran (mm)	
			H	V		H	V		H	V
1.	Larutan Lidah Buaya (1)	35.6	52	35	35.9	54	30	35.6	54	37
	Larutan Lidah Buaya (2)	37	52	35	37.8	54	37	37.6	52	35
	Larutan Lidah Buaya (3)	37.5	52	35	37.7	54	37	36.4	54	35
2.	Larutan Daun Sirih (1)	47.1	52	35	46.3	52	35	46.1	52	36
	Larutan Daun Sirih (2)	43.8	52	35	43	52	36	42.9	52	35
	Larutan Daun Sirih (3)	37.2	52	35	36.3	51	36	35.6	51	34

# LAMPIRAN HASIL OLAH DATA

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EXAMINE VARIABLES=Berat_0 H_0 V_0 Berat_5 H_5 V_5 Berat_10 H_10 V_10
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/COMPARE GROUPS
/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.
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## Explore

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	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.

Syntax	<pre> EXAMINE VARIABLES=Berat_0 H_0 V_0 Berat_5 H_5 V_5 Berat_10 H_10 V_10 Berat_0_10 H_0_10 V_0_10 /PLOT BOXPLOT STEMLEAF NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL. </pre>	
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### Case Processing Summary

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V_0	6	100.0%	0	0.0%	6	100.0%
Berat_5	6	100.0%	0	0.0%	6	100.0%
H_5	6	100.0%	0	0.0%	6	100.0%
V_5	6	100.0%	0	0.0%	6	100.0%
Berat_10	6	100.0%	0	0.0%	6	100.0%
H_10	6	100.0%	0	0.0%	6	100.0%
V_10	6	100.0%	0	0.0%	6	100.0%
Berat_0_10	6	100.0%	0	0.0%	6	100.0%
H_0_10	6	100.0%	0	0.0%	6	100.0%
V_0_10	6	100.0%	0	0.0%	6	100.0%

### Descriptives

Statistic	Std. Error
-----------	------------

Berat_0	Mean		37.9000	1.56077
	95% Confidence Interval for Mean	Lower Bound	33.8879	
		Upper Bound	41.9121	
	5% Trimmed Mean		37.6833	
	Median		36.0000	
	Variance		14.616	
	Std. Deviation		3.82309	
	Minimum		34.90	
	Maximum		44.80	
	Range		9.90	
	Interquartile Range		5.70	
	Skewness		1.538	.845
	Kurtosis		1.669	1.741
	H_0	Mean		52.0000
95% Confidence Interval for Mean		Lower Bound	52.0000	
		Upper Bound	52.0000	
5% Trimmed Mean			52.0000	
Median			52.0000	
Variance			.000	
Std. Deviation			.00000	
Minimum			52.00	
Maximum			52.00	
Range			.00	
Interquartile Range			.00	
Skewness			.	.
Kurtosis			.	.
V_0		Mean		35.0000
	95% Confidence Interval for Mean	Lower Bound	35.0000	
		Upper Bound	35.0000	
	5% Trimmed Mean		35.0000	
	Median		35.0000	
	Variance		.000	
	Std. Deviation		.00000	
	Minimum		35.00	
	Maximum		35.00	
	Range		.00	
	Interquartile Range		.00	
	Skewness		.	.



	Kurtosis		.
Berat_5	Mean		37.4333 1.76100
	95% Confidence Interval for Mean	Lower Bound	32.9065
		Upper Bound	41.9601
	5% Trimmed Mean		37.2259
	Median		35.9000
	Variance		18.607
	Std. Deviation		4.31354
	Minimum		33.30
	Maximum		45.30
	Range		12.00
	Interquartile Range		6.15
	Skewness		1.490 .845
	Kurtosis		2.206 1.741
	H_5	Mean	
95% Confidence Interval for Mean		Lower Bound	53.4049
		Upper Bound	54.2618
5% Trimmed Mean			53.8704
Median			54.0000
Variance			.167
Std. Deviation			.40825
Minimum			53.00
Maximum			54.00
Range			1.00
Interquartile Range			.25
Skewness			-2.449 .845
Kurtosis			6.000 1.741
V_5		Mean	
	95% Confidence Interval for Mean	Lower Bound	33.7915
		Upper Bound	38.8752
	5% Trimmed Mean		36.4259
	Median		36.5000
	Variance		5.867
	Std. Deviation		2.42212
	Minimum		32.00
	Maximum		39.00
	Range		7.00
	Interquartile Range		3.25

	Skewness		-1.215	.845
	Kurtosis		2.111	1.741
Berat_10	Mean		37.3833	1.65457
	95% Confidence Interval for	Lower Bound	33.1301	
	Mean	Upper Bound	41.6365	
	5% Trimmed Mean		37.1481	
	Median		35.9500	
	Variance		16.426	
	Std. Deviation		4.05286	
	Minimum		34.00	
	Maximum		45.00	
	Range		11.00	
	Interquartile Range		5.60	
	Skewness		1.713	.845
	Kurtosis		2.978	1.741
	H_10	Mean		53.1667
95% Confidence Interval for		Lower Bound	52.3767	
Mean		Upper Bound	53.9567	
5% Trimmed Mean			53.1852	
Median			53.0000	
Variance			.567	
Std. Deviation			.75277	
Minimum			52.00	
Maximum			54.00	
Range			2.00	
Interquartile Range			1.25	
Skewness			-.313	.845
Kurtosis			-.104	1.741
V_10		Mean		36.7500
	95% Confidence Interval for	Lower Bound	35.9542	
	Mean	Upper Bound	37.5458	
	5% Trimmed Mean		36.7222	
	Median		36.7500	
	Variance		.575	
	Std. Deviation		.75829	
	Minimum		36.00	
	Maximum		38.00	
	Range		2.00	

	Interquartile Range		1.25	
	Skewness		.774	.845
	Kurtosis		.284	1.741
Berat_0_10	Mean		-.5167	.41826
	95% Confidence Interval for	Lower Bound	-1.5918	
	Mean	Upper Bound	.5585	
	5% Trimmed Mean		-.5130	
	Median		-.5000	
	Variance		1.050	
	Std. Deviation		1.02453	
	Minimum		-1.70	
	Maximum		.60	
	Range		2.30	
	Interquartile Range		1.92	
	Skewness		-.038	.845
	Kurtosis		-2.875	1.741
H_0_10	Mean		1.1667	.30732
	95% Confidence Interval for	Lower Bound	.3767	
	Mean	Upper Bound	1.9567	
	5% Trimmed Mean		1.1852	
	Median		1.0000	
	Variance		.567	
	Std. Deviation		.75277	
	Minimum		.00	
	Maximum		2.00	
	Range		2.00	
	Interquartile Range		1.25	
	Skewness		-.313	.845
	Kurtosis		-.104	1.741
V_0_10	Mean		1.7500	.30957
	95% Confidence Interval for	Lower Bound	.9542	
	Mean	Upper Bound	2.5458	
	5% Trimmed Mean		1.7222	
	Median		1.7500	
	Variance		.575	
	Std. Deviation		.75829	
	Minimum		1.00	
	Maximum		3.00	

Range	2.00	
Interquartile Range	1.25	
Skewness	.774	.845
Kurtosis	.284	1.741

### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Berat_0	.357	6	.016	.785	6	.043
H_0	.	6	.	.	6	.
V_0	.	6	.	.	6	.
Berat_5	.270	6	.195	.864	6	.203
H_5	.492	6	.000	.496	6	.000
V_5	.279	6	.160	.904	6	.400
Berat_10	.263	6	.200*	.822	6	.093
H_10	.254	6	.200*	.866	6	.212
V_10	.204	6	.200*	.902	6	.389
Berat_0_10	.258	6	.200*	.846	6	.147
H_0_10	.254	6	.200*	.866	6	.212
V_0_10	.204	6	.200*	.902	6	.389

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

a. Lilliefors Significance Correction

## Berat\_0

Berat\_0 Stem-and-Leaf Plot

Frequency	Stem &	Leaf
1.00	3 .	4
3.00	3 .	566
2.00	4 .	04

Stem width: 10.00  
Each leaf: 1 case(s)

## LAMPIRAN HASIL OLAH DATA

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Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.

Syntax	<pre> EXAMINE VARIABLES=Berat_0 H_0 V_0 Berat_5 H_5 V_5 Berat_10 H_10 V_10 Berat_0_10 H_0_10 V_0_10 /PLOT BOXPLOT STEMLEAF NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL. </pre>	
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### Case Processing Summary

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V_0	6	100.0%	0	0.0%	6	100.0%
Berat_5	6	100.0%	0	0.0%	6	100.0%
H_5	6	100.0%	0	0.0%	6	100.0%
V_5	6	100.0%	0	0.0%	6	100.0%
Berat_10	6	100.0%	0	0.0%	6	100.0%
H_10	6	100.0%	0	0.0%	6	100.0%
V_10	6	100.0%	0	0.0%	6	100.0%
Berat_0_10	6	100.0%	0	0.0%	6	100.0%
H_0_10	6	100.0%	0	0.0%	6	100.0%
V_0_10	6	100.0%	0	0.0%	6	100.0%

### Descriptives

		Statistic	Std. Error
Berat_0	Mean	39.7000	1.88644

	95% Confidence Interval for	Lower Bound	34.8507	
	Mean	Upper Bound	44.5493	
	5% Trimmed Mean		39.5167	
	Median		37.3500	
	Variance		21.352	
	Std. Deviation		4.62082	
	Minimum		35.60	
	Maximum		47.10	
	Range		11.50	
	Interquartile Range		7.98	
	Skewness		1.092	.845
	Kurtosis		-.601	1.741
H_0	Mean		52.0000	.00000
	95% Confidence Interval for	Lower Bound	52.0000	
	Mean	Upper Bound	52.0000	
	5% Trimmed Mean		52.0000	
	Median		52.0000	
	Variance		.000	
	Std. Deviation		.00000	
	Minimum		52.00	
	Maximum		52.00	
	Range		.00	
	Interquartile Range		.00	
	Skewness		.	.
	Kurtosis		.	.
V_0	Mean		35.0000	.00000
	95% Confidence Interval for	Lower Bound	35.0000	
	Mean	Upper Bound	35.0000	
	5% Trimmed Mean		35.0000	
	Median		35.0000	
	Variance		.000	
	Std. Deviation		.00000	
	Minimum		35.00	
	Maximum		35.00	
	Range		.00	
	Interquartile Range		.00	
	Skewness		.	.
	Kurtosis		.	.

Berat_5	Mean		39.5000	1.71095
	95% Confidence Interval for Mean	Lower Bound	35.1019	
		Upper Bound	43.8981	
	5% Trimmed Mean		39.3222	
	Median		37.7500	
	Variance		17.564	
	Std. Deviation		4.19094	
	Minimum		35.90	
	Maximum		46.30	
	Range		10.40	
	Interquartile Range		7.63	
	Skewness		1.089	.845
	Kurtosis		-.396	1.741
	H_5	Mean		52.8333
95% Confidence Interval for Mean		Lower Bound	51.4385	
		Upper Bound	54.2282	
5% Trimmed Mean			52.8704	
Median			53.0000	
Variance			1.767	
Std. Deviation			1.32916	
Minimum			51.00	
Maximum			54.00	
Range			3.00	
Interquartile Range			2.25	
Skewness			-.326	.845
Kurtosis			-2.253	1.741
V_5		Mean		35.1667
	95% Confidence Interval for Mean	Lower Bound	32.3967	
		Upper Bound	37.9366	
	5% Trimmed Mean		35.3519	
	Median		36.0000	
	Variance		6.967	
	Std. Deviation		2.63944	
	Minimum		30.00	
	Maximum		37.00	
	Range		7.00	
	Interquartile Range		3.25	
	Skewness		-2.030	.845



	Kurtosis		4.367	1.741
Berat_10	Mean		39.0333	1.80234
	95% Confidence Interval for Mean	Lower Bound	34.4003	
		Upper Bound	43.6664	
	5% Trimmed Mean		38.8315	
	Median		37.0000	
	Variance		19.491	
	Std. Deviation		4.41482	
	Minimum		35.60	
	Maximum		46.10	
	Range		10.50	
	Interquartile Range		8.10	
	Skewness		1.076	.845
	Kurtosis		-.634	1.741
	H_10	Mean		52.5000
95% Confidence Interval for Mean		Lower Bound	51.2147	
		Upper Bound	53.7853	
5% Trimmed Mean			52.5000	
Median			52.0000	
Variance			1.500	
Std. Deviation			1.22474	
Minimum			51.00	
Maximum			54.00	
Range			3.00	
Interquartile Range			2.25	
Skewness			.490	.845
Kurtosis			-1.467	1.741
V_10		Mean		35.3333
	95% Confidence Interval for Mean	Lower Bound	34.2495	
		Upper Bound	36.4172	
	5% Trimmed Mean		35.3148	
	Median		35.0000	
	Variance		1.067	
	Std. Deviation		1.03280	
	Minimum		34.00	
	Maximum		37.00	
	Range		3.00	
	Interquartile Range		1.50	

	Skewness		.666	.845
	Kurtosis		.586	1.741
Berat_0_10	Mean		-.6667	.33032
	95% Confidence Interval for Mean	Lower Bound	-1.5158	
		Upper Bound	.1824	
	5% Trimmed Mean		-.6852	
	Median		-.9500	
	Variance		.655	
	Std. Deviation		.80911	
	Minimum		-1.60	
	Maximum		.60	
	Range		2.20	
	Interquartile Range		1.38	
	Skewness		.784	.845
	Kurtosis		-.401	1.741
	H_0_10	Mean		.5000
95% Confidence Interval for Mean		Lower Bound	-.7853	
		Upper Bound	1.7853	
5% Trimmed Mean			.5000	
Median			.0000	
Variance			1.500	
Std. Deviation			1.22474	
Minimum			-1.00	
Maximum			2.00	
Range			3.00	
Interquartile Range			2.25	
Skewness			.490	.845
Kurtosis			-1.467	1.741
V_0_10		Mean		.3333
	95% Confidence Interval for Mean	Lower Bound	-.7505	
		Upper Bound	1.4172	
	5% Trimmed Mean		.3148	
	Median		.0000	
	Variance		1.067	
	Std. Deviation		1.03280	
	Minimum		-1.00	
	Maximum		2.00	
	Range		3.00	

Interquartile Range	1.50	
Skewness	.666	.845
Kurtosis	.586	1.741

### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Berat_0	.350	6	.021	.815	6	.080
H_0	.	6	.	.	6	.
V_0	.	6	.	.	6	.
Berat_5	.324	6	.048	.838	6	.124
H_5	.310	6	.074	.805	6	.065
V_5	.308	6	.078	.736	6	.014
Berat_10	.294	6	.115	.814	6	.078
H_10	.325	6	.047	.827	6	.101
V_10	.293	6	.117	.915	6	.473
Berat_0_10	.280	6	.154	.917	6	.481
H_0_10	.325	6	.047	.827	6	.101
V_0_10	.293	6	.117	.915	6	.473

a. Lilliefors Significance Correction

## Berat\_0

Berat\_0 Stem-and-Leaf Plot

```

Frequency      Stem & Leaf
  4.00         3 .  5777
  1.00         4 .  3
  1.00         4 .  7

Stem width:    10.00
Each leaf:     1 case(s)

```