

## LAMPIRAN

### Lampiran 1 Alat-Alat Penelitian



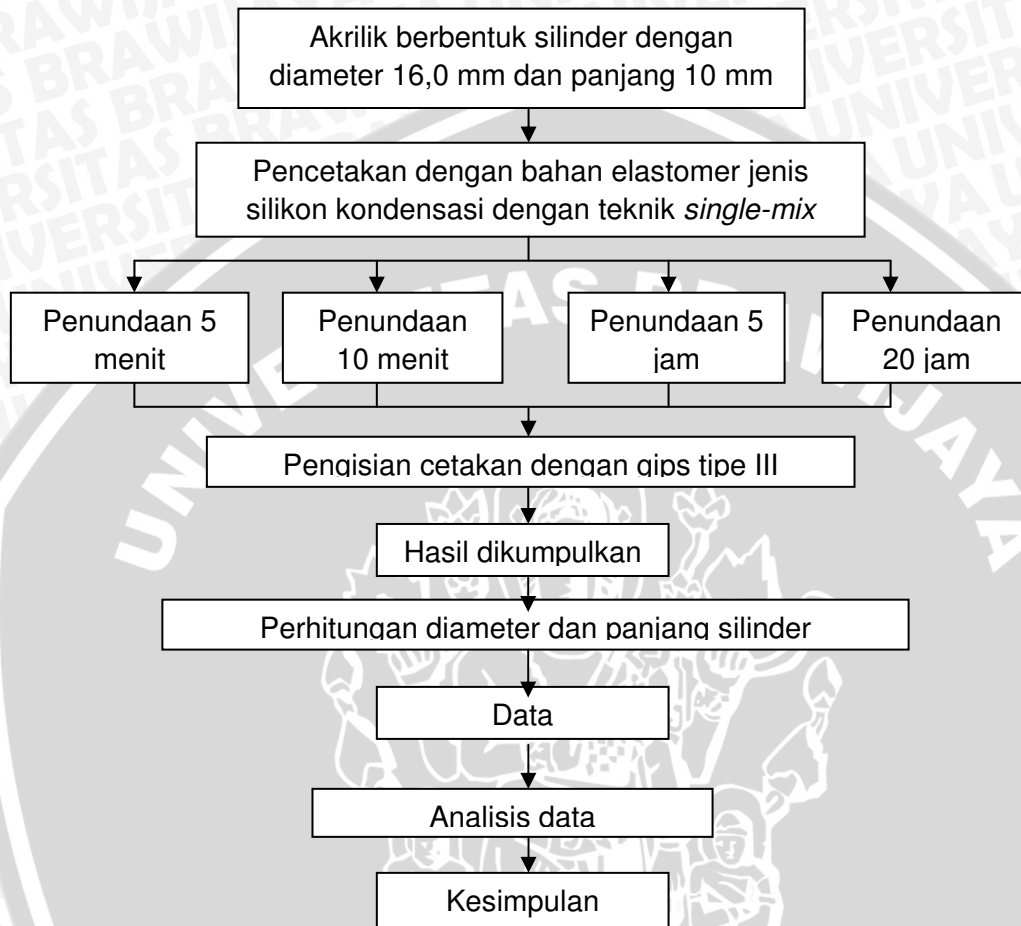
Gambar 1 (a) Silinder Berbahan *Polimetil Metakrilat* (Akrilik);  
(b) Sendok Cetak (Tray)

### Bahan Penelitian



Gambar 2 (a) Elastomer Jenis Silikon Kondensasi Bernama Zetaflow ,  
(b) Gips Tipe III

## Lampiran 2 Skema Prosedur Penelitian



**Lampiran 3 Analisis statistik**

Uji Normalitas

**One-Sample Kolmogorov-Smirnov Test**

		Penundaan	Diameter	Panjang
N		20	20	20
Normal Parameters <sup>a,b</sup>	Mean	378.75	15.7100	9.6925
	Std. Deviation	501.660	.36440	.36356
Most Extreme Differences	Absolute	.312	.199	.216
	Positive	.312	.169	.163
	Negative	-.228	-.199	-.216
Kolmogorov-Smirnov Z		.461	.890	.966
Asymp. Sig. (2-tailed)		.984	.407	.309

a. Test distribution is Normal.

b. Calculated from data.

Correlations

**Correlations**

		Diameter	Panjang	Penundaan
Diameter	Pearson Correlation	1	.984**	-.987**
	Sig. (2-tailed)	.	.000	.000
	N	20	20	20
Panjang	Pearson Correlation	.984**	1	-.986**
	Sig. (2-tailed)	.000	.	.000
	N	20	20	20
Penundaan	Pearson Correlation	-.987**	-.986**	1
	Sig. (2-tailed)	.000	.000	.
	N	20	20	20

\*\* . Correlation is significant at the 0.01 level (2-tailed).

Regression

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.987 <sup>a</sup>	.974	.973	.06012

a. Predictors: (Constant), Penundaan



**ANOVA<sup>b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2.458	1	2.458	680.094	.000 <sup>a</sup>
	Residual	.065	18	.004		
	Total	2.523	19			

- a. Predictors: (Constant), Penundaan
- b. Dependent Variable: Diameter

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	15.982	.017		939.875	.000
	Penundaan	-.001	.000	-.987	-26.079	.000

- a. Dependent Variable: Diameter

**Regression**

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.986 <sup>a</sup>	.972	.971	.06235

- a. Predictors: (Constant), Penundaan

**ANOVA<sup>b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2.441	1	2.441	627.956	.000 <sup>a</sup>
	Residual	.070	18	.004		
	Total	2.511	19			

- a. Predictors: (Constant), Penundaan
- b. Dependent Variable: Panjang

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	9.963	.018		564.930	.000
	Penundaan	-.001	.000	-.986	-25.059	.000

- a. Dependent Variable: Panjang



Oneway

Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
5	5	15.9600	.04183	.01871	15.9081	16.0119	15.90	16.00
10	5	16.0200	.05701	.02550	15.9492	16.0908	15.95	16.10
300	5	15.7300	.05701	.02550	15.6592	15.8008	15.65	15.80
1200	5	15.1300	.05701	.02550	15.0592	15.2008	15.05	15.20
Total	20	15.7100	.36440	.08148	15.5395	15.8805	15.05	16.10

Test of Homogeneity of Variances

Diameter			
Levene Statistic	df1	df2	Sig.
.243	3	16	.865

ANOVA

Diameter					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.477	3	.826	287.188	.000
Within Groups	.046	16	.003		
Total	2.523	19			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Diameter  
Tukey HSD

(I) Penundaan	(J) Penundaan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
5	10	-.06000	.03391	.323	-.1570	.0370
	300	.23000*	.03391	.000	.1330	.3270
	1200	.83000*	.03391	.000	.7330	.9270
10	5	.06000	.03391	.323	-.0370	.1570
	300	.29000*	.03391	.000	.1930	.3870
	1200	.89000*	.03391	.000	.7930	.9870
300	5	-.23000*	.03391	.000	-.3270	-.1330
	10	-.29000*	.03391	.000	-.3870	-.1930
	1200	.60000*	.03391	.000	.5030	.6970
1200	5	-.83000*	.03391	.000	-.9270	-.7330
	10	-.89000*	.03391	.000	-.9870	-.7930
	300	-.60000*	.03391	.000	-.6970	-.5030

\*. The mean difference is significant at the .05 level.



Homogeneous Subsets

Diameter

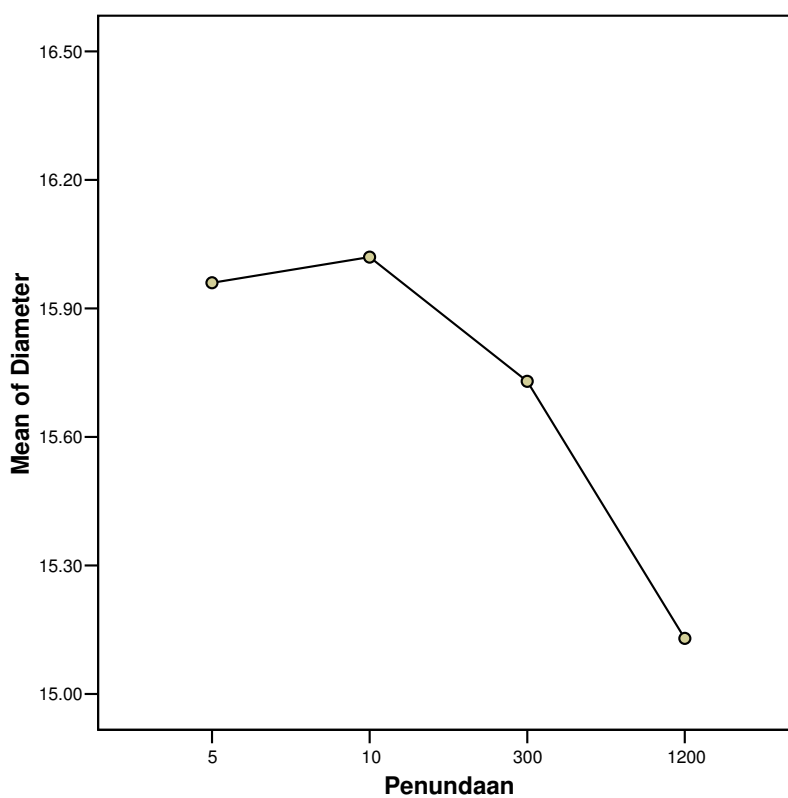
Tukey HSD<sup>a</sup>

Penundaan	N	Subset for alpha = .05		
		1	2	3
1200	5	15.1300		
300	5		15.7300	
5	5			15.9600
10	5			16.0200
Sig.		1.000	1.000	.323

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Means Plots



Oneway

**Descriptives**

Panjang

	N	Mean	Std. Deviation	Std. Error	5% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
5	5	9.9600	.04183	.01871	9.9081	10.0119	9.90	10.00
10	5	10.0000	.03536	.01581	9.9561	10.0439	9.95	10.05
300	5	9.6900	.06519	.02915	9.6091	9.7709	9.60	9.75
1200	5	9.1200	.05701	.02550	9.0492	9.1908	9.05	9.20
Total	20	9.6925	.36356	.08130	9.5223	9.8627	9.05	10.05

**Test of Homogeneity of Variances**

Panjang

Levene Statistic	df1	df2	Sig.
1.342	3	16	.296

**ANOVA**

Panjang

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.469	3	.823	313.571	.000
Within Groups	.042	16	.003		
Total	2.511	19			

**Post Hoc Tests**

**Multiple Comparisons**

Dependent Variable: Panjang

Tukey HSD

(I) Penundaan	(J) Penundaan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
5	10	-.04000	.03240	.615	-.1327	.0527
	300	.27000*	.03240	.000	.1773	.3627
	1200	.84000*	.03240	.000	.7473	.9327
10	5	.04000	.03240	.615	-.0527	.1327
	300	.31000*	.03240	.000	.2173	.4027
	1200	.88000*	.03240	.000	.7873	.9727
300	5	-.27000*	.03240	.000	-.3627	-.1773
	10	-.31000*	.03240	.000	-.4027	-.2173
	1200	.57000*	.03240	.000	.4773	.6627
1200	5	-.84000*	.03240	.000	-.9327	-.7473
	10	-.88000*	.03240	.000	-.9727	-.7873
	300	-.57000*	.03240	.000	-.6627	-.4773

\*. The mean difference is significant at the .05 level.



Homogeneous Subsets

Panjang

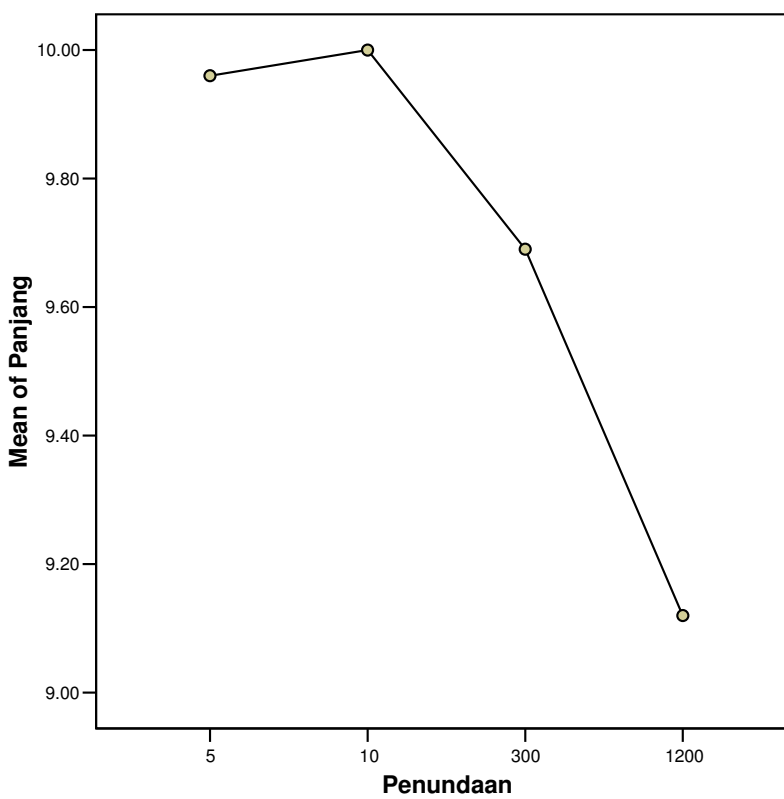
Tukey HSD<sup>a</sup>

Penundaan	N	Subset for alpha = .05		
		1	2	3
1200	5	9.1200		
300	5		9.6900	
5	5			9.9600
10	5			10.0000
Sig.		1.000	1.000	.615

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Means Plots





#### Lampiran 4 Contoh Surat Izin Melaksanakan Penelitian

Malang, 11 November 2013

Kepada Yth. Penanggung Jawab

Lab. PSPDG FKUB

di tempat.

Dengan hormat,

Melalui surat ini, saya:

Nama : Liana Tjunggono

NIM : 105070400111042

Angkatan : 2010

memohon izin untuk penggunaan lab. PSPDG untuk kepentingan penelitian tugas akhir yang berjudul Pengaruh Waktu Pengisian dengan Gips Tipe III Cetakan Elastomer Jenis Silikon Kondensasi terhadap Ketepatan Model Hasil Cetakan, yang akan dilangsungkan pada hari Jumat, 15 November 2013 sampai dengan hari Rabu, 20 November 2013.

Ada pun untuk kepentingan penelitian tersebut, saya memohon untuk diizinkan meminjam alat sebagai berikut:

1 buah vibrator dan 1 buah alat pres besar

Atas perhatiannya, saya ucapkan terima kasih.

Hormat saya,

Liana Tjunggono

NIM: 105070400111042