

Lampiran 1

PERNYATAAN KEASLIAN TULISAN

Saya yang bertanda tangan dibawah ini :

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menyatakan dengan sebenarnya bahwa Skripsi yang saya tulis ini benar-benar hasil karya sendiri, bukan merupakan pengambilan tulisan atau pikiran orang lain yang saya akui sebagai tulisan atau pikiran saya sendiri. Apabila dikemudian hari dapat dibuktikan bahwa Skripsi ini adalah jiplakan, maka saya bersedia menerima sanksi atas perbuatan tersebut.

Malang, Juli 2016

Yang membuat pernyataan,

Yosua Halim

NIM. 125070400111026

Lampiran 2

| Kelompok | Kekuatan transversa(Mpa) | Rata-rata nilai kekuatan transversa ($N/mm^2/Mpa$) |
|----------|--------------------------|--|
| 1 | 213,59 | 220,526 |
| | 285,77 | |
| | 182,09 | |
| | 217,49 | |
| | 203,69 | |
| 2 | 293,36 | 263,014 |
| | 280,72 | |
| | 169,44 | |
| | 230,14 | |
| | 341,41 | |
| 3 | 311,06 | 394,014 |
| | 450,16 | |
| | 477,98 | |
| | 414,75 | |
| | 316,12 | |
| 4 | 434,98 | 468,87 |
| | 390,83 | |
| | 438,88 | |
| | 540,99 | |
| | 538,67 | |

Lampiran 3

Uji Normalitas

Tests of Normality

| | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|----------|---------------------------------|----|------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| Kekuatan | .153 | 25 | .133 | .946 | 25 | .199 |

a. Lilliefors Significance Correction

Correlations

Correlations

| | | Suhu | Kekuatan |
|----------|---------------------|--------|----------|
| Suhu | Pearson Correlation | 1 | .696** |
| | Sig. (2-tailed) | . | .001 |
| | N | 20 | 20 |
| Kekuatan | Pearson Correlation | .696** | 1 |
| | Sig. (2-tailed) | .001 | . |
| | N | 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 | .696 ^a | .485 | .456 | 106.47377 |

a. Predictors: (Constant), Suhu

ANOVA^b

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|-------|------------|----------------|----|-------------|--------|-------------------|
| 1 | Regression | 191858.0 | 1 | 191858.016 | 16.924 | .001 ^a |
| | Residual | 204059.9 | 18 | 11336.663 | | |
| | Total | 395917.9 | 19 | | | |

a. Predictors: (Constant), Suhu

b. Dependent Variable: Kekuatan

Coefficients^a

| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|-------|------------|-----------------------------|------------|---------------------------|--------|------|
| | | B | Std. Error | Beta | | |
| 1 | (Constant) | -232.815 | 140.449 | | -1.658 | .115 |
| | Suhu | 21.901 | 5.324 | .696 | 4.114 | .001 |

a. Dependent Variable: Kekuatan

Test of Homogeneity of Variances

Kekuatan

| Levene Statistic | df 1 | df 2 | Sig. |
|------------------|------|------|------|
| 2.102 | 4 | 20 | .119 |

ANOVA

Kekuatan

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|-------|------|
| Between Groups | 239944.8 | 4 | 59986.205 | 4.022 | .015 |
| Within Groups | 298257.8 | 20 | 14912.889 | | |
| Total | 538202.6 | 24 | | | |

Post Hoc Tests

Homogeneous Subsets

Multiple Comparisons

Dependent variable: Kekuatan

Tukey HSD

| (i) Kelompok | (j) Kelompok | Mean Difference | | | 95% Confidence Interval | |
|-----------------|--------------|-----------------|------------|-------|-------------------------|-------------|
| | | (i-j) | Std. Error | Sig. | Lower Bound | Upper Bound |
| 20 | 24 | -42,488 | 77,23442 | 0,981 | -273,6023 | -188,6263 |
| | 28 | -173,488 | 77,23442 | 0,204 | -404,6023 | 57,6263 |
| | 32 | -248,344* | 77,23442 | 0,031 | -479,4583 | -17,2297 |
| 24 | 20 | 42,488 | 77,23442 | 0,981 | -188,6263 | 273,6023 |
| | 28 | -131 | 77,23442 | 0,458 | -362,1143 | 100,1143 |
| | 32 | -205,856 | 77,23442 | 0,096 | -436,9703 | 25,2583 |
| 28 | 20 | 173,488 | 77,23442 | 0,204 | -57,6263 | 404,6023 |
| | 24 | 131 | 77,23442 | 0,458 | -100,1143 | 362,1143 |
| | 32 | -74,856 | 77,23442 | 0,866 | -305,9703 | 156,2583 |
| 32 | 20 | 248,344* | 77,23442 | 0,31 | 17,2297 | 479,4583 |
| | 24 | 205,856* | 77,23442 | 0,096 | -25,2583 | 436,9703 |
| | 28 | 74,856 | 77,23442 | 0,866 | -156,2583 | 305,9703 |

*. The mean difference is significant at the 0,05



Kekuatan

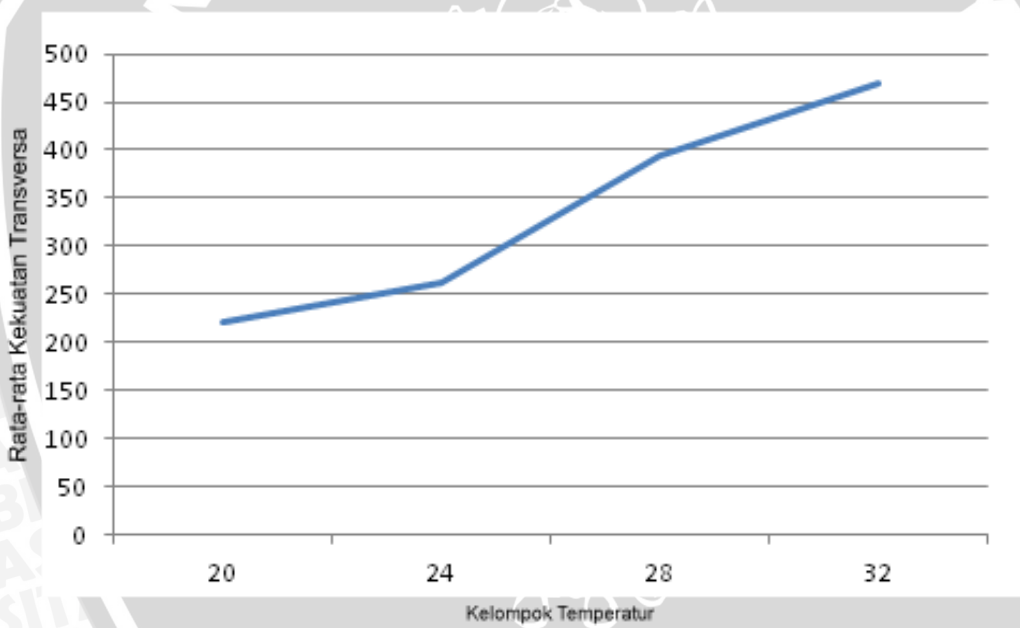
Tukey HSD^a

| Kelompok | N | Subset for alpha = .05 | |
|----------|---|------------------------|----------|
| | | 1 | 2 |
| 20 | 5 | 220.5260 | |
| Kontrol | 5 | 234.6920 | |
| 24 | 5 | 263.0140 | 263.0140 |
| 28 | 5 | 394.0140 | 394.0140 |
| 32 | 5 | | 468.8700 |
| Sig. | | .204 | .096 |

Means for groups in homogeneous subsets are display ed.

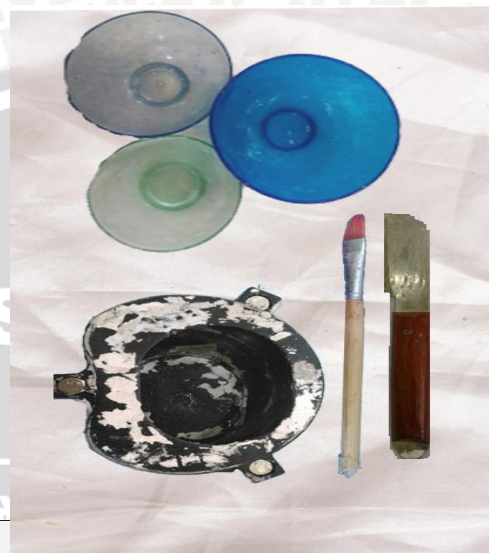
a. Uses Harmonic Mean Sample Size = 5.000.

Means Plots



Lampiran 4

Foto alat dan bahan



Gambar 7.1 : Resin akrilik cold cured

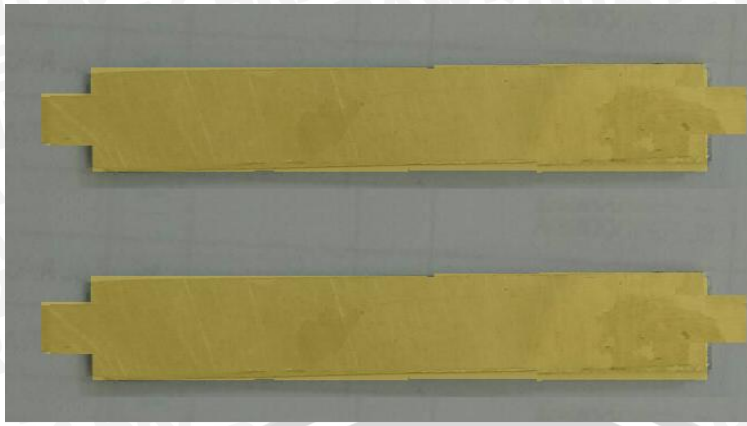
Gambar 7.2: alat dan bahan



Gambar 7.3: microwave



Gambar 7.4: alat untuk pemolesan lempeng akrilik



Gambar 7.5: Master model



Gambar 7.6: Alat Universal Testing Machine Type PM 100 tarno

Lampiran 5



Gambar 7.7: Spesimen yang belum dilakukan uji kekuatan transversa



Gambar 7.8: Spesimen yang sudah dilakukan uji kekuatan transversa