

LAMPIRAN

Lampiran 1. Dokumentasi Foto Penelitian

Foto proses pembuatan plat resin akrilik





Foto uji kekuatan transversal dengan UTM



Lampiran A. Deskriptif Deskriptif Hasil Perhitungan Kekuatan Transversal

Descriptives

| Konsentrasi | | Statistic | Std. Error | | |
|--|----------|----------------------------------|------------|---------|---------|
| Hasil perhitungan kekuatan transversal | 0 % | Mean | 55.7150 | 2.07510 | |
| | | 95% Confidence Interval for Mean | 49.1111 | | |
| | | Lower Bound | 62.3189 | | |
| | | Upper Bound | | | |
| | | 5% Trimmed Mean | 55.8856 | | |
| | | Median | 57.2500 | | |
| | | Variance | 17.224 | | |
| | | Std. Deviation | 4.15019 | | |
| | | Minimum | 49.72 | | |
| | | Maximum | 58.64 | | |
| | | Range | 8.92 | | |
| | | Interquartile Range | 7.25 | | |
| | | Skewness | -1.603 | | 1.014 |
| | | Kurtosis | 2.386 | | 2.619 |
| | | | 0.13 % | | Mean |
| 95% Confidence Interval for Mean | 40.6925 | | | | |
| Lower Bound | 85.5025 | | | | |
| Upper Bound | | | | | |
| 5% Trimmed Mean | 63.5078 | | | | |
| Median | 66.7900 | | | | |
| Variance | 198.256 | | | | |
| Std. Deviation | 14.08036 | | | | |
| Minimum | 43.36 | | | | |
| Maximum | 75.45 | | | | |
| Range | 32.09 | | | | |
| Interquartile Range | 25.85 | | | | |
| Skewness | -1.295 | | | 1.014 | |
| Kurtosis | 1.579 | | | 2.619 | |
| | 0.26 % | | | Mean | 63.7675 |
| | | 95% Confidence Interval for Mean | 58.3337 | | |
| | | Lower Bound | 69.2013 | | |
| | | Upper Bound | | | |
| | | 5% Trimmed Mean | 63.7806 | | |
| | | Median | 63.8850 | | |
| | | Variance | 11.661 | | |
| | | Std. Deviation | 3.41488 | | |
| | | Minimum | 60.10 | | |
| | | Maximum | 67.20 | | |
| | | Range | 7.10 | | |
| | | Interquartile Range | 6.43 | | |
| | | Skewness | -.091 | 1.014 | |
| | | Kurtosis | -4.484 | 2.619 | |
| | | | 0.40 % | Mean | 59.1075 |
| 95% Confidence Interval for Mean | 54.1564 | | | | |
| Lower Bound | 64.0586 | | | | |
| Upper Bound | | | | | |
| 5% Trimmed Mean | 59.0106 | | | | |
| Median | 58.2350 | | | | |
| Variance | 9.681 | | | | |
| Std. Deviation | 3.11151 | | | | |
| Minimum | 56.69 | | | | |
| Maximum | 63.27 | | | | |
| Range | 6.58 | | | | |
| Interquartile Range | 5.67 | | | | |
| Skewness | 1.002 | | | 1.014 | |
| Kurtosis | -.525 | | | 2.619 | |

Lampiran B. Uji Normalitas

Normalitas Hasil Perhitungan Kekuatan Transversal

Tests of Normality

| | Konsentrasi | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|----------------------|-------------|---------------------------------|----|------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| Hasil perhitungan | 0 % | .291 | 4 | . | .818 | 4 | .138 |
| kekuatan transversal | 0.13 % | .254 | 4 | . | .908 | 4 | .472 |
| | 0.26 % | .252 | 4 | . | .901 | 4 | .434 |
| | 0.40 % | .275 | 4 | . | .865 | 4 | .279 |

a. Lilliefors Significance Correction

Lampiran C. Uji Homogenitas

Test of Homogeneity of Variances

| | Levene Statistic | df1 | df2 | Sig. |
|--|------------------|-----|-----|------|
| Lebar (mm) | 1.275 | 3 | 12 | .327 |
| Tebal (mm) | 4.009 | 3 | 12 | .034 |
| Gaya (kN) | 2.288 | 3 | 12 | .131 |
| L (ketetapan) | . | 3 | . | . |
| Hasil perhitungan kekuatan transversal | 2.667 | 3 | 12 | .095 |

Lampiran D. Uji Anova

ANOVA

| | | Sum of Squares | df | Mean Square | F | Sig. |
|--|----------------|----------------|----|-------------|-------|------|
| Lebar (mm) | Between Groups | 1.116 | 3 | .372 | 2.682 | .094 |
| | Within Groups | 1.664 | 12 | .139 | | |
| | Total | 2.780 | 15 | | | |
| Tebal (mm) | Between Groups | .668 | 3 | .223 | 1.470 | .272 |
| | Within Groups | 1.817 | 12 | .151 | | |
| | Total | 2.485 | 15 | | | |
| Gaya (kN) | Between Groups | .005 | 3 | .002 | 3.752 | .041 |
| | Within Groups | .005 | 12 | .000 | | |
| | Total | .010 | 15 | | | |
| L (ketetapan) | Between Groups | .000 | 3 | .000 | . | . |
| | Within Groups | .000 | 12 | .000 | | |
| | Total | .000 | 15 | | | |
| Hasil perhitungan kekuatan transversal | Between Groups | 168.938 | 3 | 56.313 | .951 | .447 |
| | Within Groups | 710.471 | 12 | 59.206 | | |
| | Total | 879.408 | 15 | | | |

Lampiran E. Uji Uji *Least Significance Difference* (LSD)

Post Hoc Tests

Multiple Comparisons

LSD

| Dependent Variable | (I) Konsentrasi | (J) Konsentrasi | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|--|-----------------|-----------------|-----------------------|------------|------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| Lebar (mm) | 0 % | 0.13 % | .34000 | .26334 | .221 | -.9138 | .2338 |
| | | 0.26 % | -.68500* | .26334 | .023 | -1.2588 | -.1112 |
| | | 0.40 % | -.58500* | .26334 | .046 | -1.1588 | -.0112 |
| | 0.13 % | 0 % | .34000 | .26334 | .221 | -.2338 | .9138 |
| | | 0.26 % | -.34500 | .26334 | .215 | -.9188 | .2288 |
| | | 0.40 % | -.24500 | .26334 | .371 | -.8188 | .3288 |
| | 0.26 % | 0 % | .68500* | .26334 | .023 | .1112 | 1.2588 |
| | | 0.13 % | .34500 | .26334 | .215 | -.2288 | .9188 |
| | | 0.40 % | .10000 | .26334 | .711 | -.4738 | .6738 |
| | 0.40 % | 0 % | .58500* | .26334 | .046 | .0112 | 1.1588 |
| | | 0.13 % | .24500 | .26334 | .371 | -.3288 | .8188 |
| | | 0.26 % | -.10000 | .26334 | .711 | -.6738 | .4738 |
| Tebal (mm) | 0 % | 0.13 % | -.22250 | .27518 | .434 | -.8221 | .3771 |
| | | 0.26 % | -.50500 | .27518 | .091 | -1.1046 | .0946 |
| | | 0.40 % | -.47000 | .27518 | .113 | -1.0696 | .1296 |
| | 0.13 % | 0 % | .22250 | .27518 | .434 | -.3771 | .8221 |
| | | 0.26 % | -.28250 | .27518 | .325 | -.8821 | .3171 |
| | | 0.40 % | -.24750 | .27518 | .386 | -.8471 | .3521 |
| | 0.26 % | 0 % | .50500 | .27518 | .091 | -.0946 | 1.1046 |
| | | 0.13 % | .28250 | .27518 | .325 | -.3171 | .8821 |
| | | 0.40 % | .03500 | .27518 | .901 | -.5646 | .6346 |
| | 0.40 % | 0 % | .47000 | .27518 | .113 | -.1296 | 1.0696 |
| | | 0.13 % | .24750 | .27518 | .386 | -.3521 | .8471 |
| | | 0.26 % | -.03500 | .27518 | .901 | -.6346 | .5646 |
| Gaya (kN) | 0 % | 0.13 % | -.02250 | .01479 | .154 | -.0547 | .0097 |
| | | 0.26 % | -.04750* | .01479 | .007 | -.0797 | -.0153 |
| | | 0.40 % | -.03500* | .01479 | .036 | -.0672 | -.0028 |
| | 0.13 % | 0 % | .02250 | .01479 | .154 | -.0097 | .0547 |
| | | 0.26 % | -.02500 | .01479 | .117 | -.0572 | .0072 |
| | | 0.40 % | -.01250 | .01479 | .415 | -.0447 | .0197 |
| | 0.26 % | 0 % | .04750* | .01479 | .007 | .0153 | .0797 |
| | | 0.13 % | .02500 | .01479 | .117 | -.0072 | .0572 |
| | | 0.40 % | .01250 | .01479 | .415 | -.0197 | .0447 |
| | 0.40 % | 0 % | .03500* | .01479 | .036 | .0028 | .0672 |
| | | 0.13 % | .01250 | .01479 | .415 | -.0197 | .0447 |
| | | 0.26 % | -.01250 | .01479 | .415 | -.0447 | .0197 |
| Hasil perhitungan kekuatan transversal | 0 % | 0.13 % | -7.38250 | 5.44086 | .200 | -19.2371 | 4.4721 |
| | | 0.26 % | -8.05250 | 5.44086 | .165 | -19.9071 | 3.8021 |
| | | 0.40 % | -3.39250 | 5.44086 | .545 | -15.2471 | 8.4621 |
| | 0.13 % | 0 % | 7.38250 | 5.44086 | .200 | -4.4721 | 19.2371 |
| | | 0.26 % | -.67000 | 5.44086 | .904 | -12.5246 | 11.1846 |
| | | 0.40 % | 3.99000 | 5.44086 | .477 | -7.8646 | 15.8446 |
| | 0.26 % | 0 % | 8.05250 | 5.44086 | .165 | -3.8021 | 19.9071 |
| | | 0.13 % | .67000 | 5.44086 | .904 | -11.1846 | 12.5246 |
| | | 0.40 % | 4.66000 | 5.44086 | .409 | -7.1946 | 16.5146 |
| | 0.40 % | 0 % | 3.39250 | 5.44086 | .545 | -8.4621 | 15.2471 |
| | | 0.13 % | -3.99000 | 5.44086 | .477 | -15.8446 | 7.8646 |
| | | 0.26 % | -4.66000 | 5.44086 | .409 | -16.5146 | 7.1946 |

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

Lampiran F. Means Plots



