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Lampiran 1. Distribusi Range, Mean, Standard Deviasi

KONTROL (KISARAN, RERATA, STANDARD DEVIASI)

Descriptive Statistics

| | N | Range | Mean | Std. Deviation |
|------------------------------|---|--------|----------|----------------|
| Berat Badan MIngggu 1 | 6 | 4.10 | 16.6500 | 1.34127 |
| Berat Badan Minggu 2 | 6 | 4.80 | 17.7333 | 1.77839 |
| Berat Badan Minggu 3 | 6 | 4.60 | 16.6333 | 1.67531 |
| Volume Tumor MIngggu 1 | 6 | 38.16 | 44.3067 | 13.97794 |
| Volume Tumur MIngggu 2 | 6 | 313.50 | 229.1333 | 106.43480 |
| Volume Tumor MIngggu 3 | 6 | 247.92 | 472.0067 | 103.28793 |
| AGNOR | 6 | 1.42 | 5.8400 | .51780 |
| Apoptosis | 6 | 1.40 | 1.6333 | .55737 |
| Indeks apoptosis/nilai AgNOR | 6 | .29 | .2850 | .11794 |
| Valid N (listwise) | 6 | | | |

P1 (KISARAN, RERATA, STANDARD DEVIASI)

Descriptive Statistics

| | N | Range | Mean | Std. Deviation |
|------------------------------|---|--------|----------|----------------|
| Berat Badan MIngggu 1 | 6 | 3.40 | 17.0167 | 1.30601 |
| Berat Badan Minggu 2 | 6 | 4.30 | 17.2333 | 1.52403 |
| Berat Badan Minggu 3 | 6 | 6.30 | 16.7167 | 2.03413 |
| Volume Tumor MIngggu 1 | 6 | 96.20 | 42.6267 | 34.35594 |
| Volume Tumur MIngggu 2 | 6 | 86.40 | 175.0708 | 39.58212 |
| Volume Tumor MIngggu 3 | 6 | 287.20 | 402.6833 | 109.29751 |
| AGNOR | 6 | 3.10 | 3.1750 | 1.40694 |
| Apoptosis | 6 | 1.20 | 2.9000 | .46904 |
| Indeks apoptosis/nilai AgNOR | 6 | 1.70 | 1.1417 | .66119 |
| Valid N (listwise) | 6 | | | |

P2 (KISARAN, RERATA, STANDARD DEVIASI)

Descriptive Statistics

| | N | Range | Mean | Std. Deviation |
|------------------------------|---|--------|----------|----------------|
| Berat Badan MInggu 1 | 6 | 3.60 | 18.7833 | 1.39056 |
| Berat Badan Minggu 2 | 6 | 3.70 | 18.7500 | 1.56045 |
| Berat Badan Minggu 3 | 6 | 7.60 | 16.6000 | 3.06464 |
| Volume Tumor MInggu 1 | 6 | 13.70 | 23.4883 | 5.10471 |
| Volume Tumur MInggu 2 | 6 | 101.50 | 113.2833 | 35.23404 |
| Volume Tumor MInggu 3 | 6 | 238.00 | 269.1883 | 90.92565 |
| AGNOR | 6 | 1.52 | 3.1583 | .52266 |
| Apoptosis | 6 | .40 | 3.2333 | .19664 |
| Indeks apoptosis/nilai AgNOR | 6 | .41 | 1.0417 | .13877 |
| Valid N (listwise) | 6 | | | |

P3 (KISARAN, RERATA, STANDARD DEVIASI)

Descriptive Statistics

| | N | Range | Mean | Std. Deviation |
|------------------------------|---|--------|----------|----------------|
| Berat Badan MInggu 1 | 6 | 5.50 | 19.8833 | 2.09229 |
| Berat Badan Minggu 2 | 6 | 5.20 | 20.1667 | 2.25714 |
| Berat Badan Minggu 3 | 6 | 4.50 | 17.1167 | 1.94671 |
| Volume Tumor MInggu 1 | 6 | 25.52 | 30.7433 | 9.34825 |
| Volume Tumur MInggu 2 | 6 | 322.00 | 151.6600 | 110.04059 |
| Volume Tumor MInggu 3 | 6 | 316.00 | 334.0000 | 130.63880 |
| AGNOR | 6 | 2.77 | 4.5850 | 1.06154 |
| Apoptosis | 6 | .80 | 2.9000 | .35214 |
| Indeks apoptosis/nilai AgNOR | 6 | .46 | .6617 | .19188 |
| Valid N (listwise) | 6 | | | |

Lampiran 2

Tabel Induk

| Kel | n | H0 | Berat Badan Mencit (g) | | | Volume Tumor (mm ³) | | | Rerata Nilai AgNOR | Rerata Indeks Apoptosis | Indeks Apoptosis AgNOR |
|-----|---|------|------------------------|------|------|---------------------------------|---------|--------|--------------------|-------------------------|------------------------|
| | | | M1 | M2 | M3 | M1 | M2 | M3 | | | |
| Ko | 1 | 16 | 16,6 | 17,2 | 14,7 | 48 | 182 | 358,98 | 6,5 | 1,6 | 0,25 |
| | 2 | 15,9 | 16,4 | 18,4 | 17,4 | 24,48 | 90 | 379,32 | 5,58 | 2,2 | 0,39 |
| | 3 | 19,5 | 19,1 | 21 | 19,3 | 56 | 210,9 | 436,8 | 5,08 | 2,4 | 0,47 |
| | 4 | 15,9 | 16,6 | 17,2 | 15,1 | 36,72 | 200,2 | 466,2 | 6,22 | 1,2 | 0,19 |
| | 5 | 15,5 | 16,2 | 16,2 | 17 | 62,64 | 403,5 | 606,9 | 6,07 | 1,4 | 0,23 |
| | 6 | 15 | 15 | 16,4 | 16,3 | 38 | 288,2 | 583,84 | 5,59 | 1 | 0,18 |
| P1 | 1 | 14 | 15,7 | 16,1 | 16 | 24,8 | 190 | 468 | 1,5 | 2,4 | 1,60 |
| | 2 | 19,2 | 18,7 | 19,3 | 19,8 | 26,4 | 132 | 300,8 | 4,05 | 2,8 | 0,69 |
| | 3 | 15,5 | 15,3 | 15 | 13,5 | 43 | 160,425 | 306 | 4,49 | 3 | 0,67 |
| | 4 | 16,4 | 17,9 | 17,6 | 17,2 | 13 | 217,6 | 372,3 | 1,62 | 3,6 | 2,22 |
| | 5 | 16,3 | 17 | 18,2 | 17 | 109,2 | 132 | 381 | 2,79 | 3,2 | 1,15 |
| | 6 | 17 | 17,5 | 17,2 | 16,8 | 39,36 | 218,4 | 588 | 4,6 | 2,4 | 0,52 |
| P2 | 1 | 14,2 | 16,2 | 16,3 | 12,2 | 30,5 | 124,8 | 277,2 | 3,18 | 3,4 | 1,07 |
| | 2 | 17 | 19 | 19,3 | 19,8 | 20 | 135,5 | 345,65 | 2,33 | 3 | 1,29 |
| | 3 | 19 | 19,8 | 20 | 16,8 | 16,8 | 100,7 | 203,28 | 3,85 | 3,4 | 0,88 |
| | 4 | 20 | 19,7 | 19,8 | 19 | 21,2 | 60 | 221 | 2,86 | 3 | 1,05 |
| | 5 | 16 | 18,3 | 17,3 | 13,6 | 24,78 | 97,2 | 165 | 3,48 | 3,4 | 0,98 |
| | 6 | 18,7 | 19,7 | 19,8 | 18,2 | 27,65 | 161,5 | 403 | 3,25 | 3,2 | 0,98 |
| P3 | 1 | 14,7 | 16,8 | 17,8 | 14,9 | 44,08 | 149,46 | 364 | 4,86 | 2,6 | 0,53 |
| | 2 | 20,3 | 21 | 21 | 18 | 18,56 | 111,8 | 206,8 | 4,86 | 2,6 | 0,53 |
| | 3 | 20,3 | 21,2 | 22,5 | 18,9 | 35 | 42 | 180 | 5,12 | 3 | 0,59 |
| | 4 | 14,5 | 18 | 17,3 | 14,4 | 36,12 | 121,26 | 294 | 3,24 | 2,6 | 0,80 |
| | 5 | 21 | 22,3 | 22,5 | 18,5 | 27 | 364 | 463,2 | 3,42 | 3,4 | 0,99 |
| | 6 | 19,3 | 20 | 19,9 | 18 | 23,7 | 121,44 | 496 | 6,01 | 3,2 | 0,53 |

Lampiran 3. Rerata, Standar Deviasi, Kisaran

| Kel | N | Berat Badan Mencit (g) | | | Volume Tumor (mm ³) | | | Rerata Nilai AgNOR | Rerata Indeks Apoptosis | Indeks Apoptosis/ Nilai AgNOR |
|-----|---------|------------------------|---------|---------|---------------------------------|----------|----------|--------------------|-------------------------|-------------------------------|
| | | M1 | M2 | M3 | M1 | M2 | M3 | | | |
| Ko | Rerata | 16.6500 | 17.7333 | 16.6333 | 44.3067 | 229.1333 | 472.0067 | 5.8400 | 1.6333 | 0.2850 |
| | SD | 1.3412 | 1.7784 | 1.6753 | 13.9779 | 106.4340 | 103.2879 | 0.5178 | 0.5573 | 0.1179 |
| | Kisaran | 4.1000 | 4.8000 | 4.6000 | 38.1600 | 313.5000 | 247.9200 | 1.4200 | 1.4000 | 0.2900 |
| P1 | Rerata | 17.0167 | 17.2333 | 16.7167 | 42.6267 | 175.0700 | 402.6833 | 3.1750 | 2.9000 | 1.1417 |
| | SD | 1.3060 | 1.5240 | 2.0341 | 34.3559 | 39.5821 | 109.2975 | 1.4069 | 0.4690 | 0.6611 |
| | Kisaran | 3.4000 | 4.3000 | 6.3000 | 96.2000 | 86.4000 | 287.2000 | 3.1000 | 1.2000 | 1.7000 |
| P2 | Rerata | 18.7833 | 18.7500 | 16.6000 | 23.4883 | 113.2833 | 269.1883 | 3.1583 | 3.2333 | 1.0417 |
| | SD | 1.3905 | 1.5604 | 3.0646 | 5.1047 | 35.2340 | 90.9256 | 0.5226 | 0.1966 | 0.1387 |
| | Kisaran | 3.6000 | 3.7000 | 7.6000 | 13.7000 | 101.5000 | 238.0000 | 1.5200 | 0.4000 | 0.4100 |
| P3 | Rerata | 19.8833 | 20.1667 | 17.1167 | 30.7433 | 151.6600 | 334.0000 | 4.5850 | 2.9000 | 0.6617 |
| | SD | 2.0922 | 2.2571 | 1.9467 | 9.3482 | 110.0405 | 130.6388 | 1.0615 | 0.3521 | 0.1918 |
| | Kisaran | 5.5000 | 5.2000 | 4.5000 | 25.5200 | 322.0000 | 316.0000 | 2.7700 | 0.8000 | 0.4600 |

Lampiran 4. Rerata dan Standar Deviasi

| Kel | N | H0 | Berat Badan Mencit (g) | | | Volume Tumor (mm3) | | | Rerata Nilai AgNOR | Rerata Indeks Apoptosis | Indeks apoptosis / AgNOR |
|-------------|---|------|------------------------|--------------|--------------|--------------------|-----------------|-----------------|--------------------|-------------------------|--------------------------|
| | | | M1 | M2 | M3 | M1 | M2 | M3 | | | |
| Ko | 1 | 16 | 16.6 | 17.2 | 14.7 | 48 | 182 | 358.98 | 6.5 | 1.6 | 0.25 |
| | 2 | 15.9 | 16.4 | 18.4 | 17.4 | 24.48 | 90 | 379.32 | 5.58 | 2.2 | 0.39 |
| | 3 | 19.5 | 19.1 | 21 | 19.3 | 56 | 210.9 | 436.8 | 5.08 | 2.4 | 0.47 |
| | 4 | 15.9 | 16.6 | 17.2 | 15.1 | 36.72 | 200.2 | 466.2 | 6.22 | 1.2 | 0.19 |
| | 5 | 15.5 | 16.2 | 16.2 | 17 | 62.64 | 403.5 | 606.9 | 6.07 | 1.4 | 0.23 |
| | 6 | 15 | 15 | 16.4 | 16.3 | 38 | 288.2 | 583.84 | 5.59 | 1 | 0.18 |
| Rerata ± SD | | | 16.65 ± 1.34 | 17.73 ± 1.77 | 16.63 ± 1.67 | 44.30 ± 13.97 | 229.13 ± 106.43 | 472.00 ± 103.28 | 5.84 ± 0.51 | 1.63 ± 0.55 | 0.28 ± 0.11 |
| P1 | 1 | 14 | 15.7 | 16.1 | 16 | 24.8 | 190 | 468 | 1.5 | 2.4 | 1.60 |
| | 2 | 19.2 | 18.7 | 19.3 | 19.8 | 26.4 | 132 | 300.8 | 4.05 | 2.8 | 0.69 |
| | 3 | 15.5 | 15.3 | 15 | 13.5 | 43 | 160.425 | 306 | 4.49 | 3 | 0.67 |
| | 4 | 16.4 | 17.9 | 17.6 | 17.2 | 13 | 217.6 | 372.3 | 1.62 | 3.6 | 2.22 |
| | 5 | 16.3 | 17 | 18.2 | 17 | 109.2 | 132 | 381 | 2.79 | 3.2 | 1.15 |
| | 6 | 17 | 17.5 | 17.2 | 16.8 | 39.36 | 218.4 | 588 | 4.6 | 2.4 | 0.52 |
| Rerata ± SD | | | 17.01 ± 1.30 | 17.23 ± 1.52 | 16.71 ± 2.03 | 42.62 ± 34.35 | 175.07 ± 39.58 | 402.68 ± 109.29 | 3.17 ± 1.40 | 2.90 ± 0.46 | 1.14 ± 0.66 |
| P2 | 1 | 14.2 | 16.2 | 16.3 | 12.2 | 30.5 | 124.8 | 277.2 | 3.18 | 3.4 | 1.07 |
| | 2 | 17 | 19 | 19.3 | 19.8 | 20 | 135.5 | 345.65 | 2.33 | 3 | 1.29 |
| | 3 | 19 | 19.8 | 20 | 16.8 | 16.8 | 100.7 | 203.28 | 3.85 | 3.4 | 0.88 |
| | 4 | 20 | 19.7 | 19.8 | 19 | 21.2 | 60 | 221 | 2.86 | 3 | 1.05 |
| | 5 | 16 | 18.3 | 17.3 | 13.6 | 24.78 | 97.2 | 165 | 3.48 | 3.4 | 0.98 |
| | 6 | 18.7 | 19.7 | 19.8 | 18.2 | 27.65 | 161.5 | 403 | 3.25 | 3.2 | 0.98 |
| Rerata ± SD | | | 18.78 ± 1.39 | 18.75 ± 1.56 | 16.60 ± 3.06 | 23.48 ± 5.10 | 113.2 ± 35.23 | 269.18 ± 90.92 | 3.15 ± 0.52 | 3.23 ± 0.19 | 1.04 ± 0.13 |
| P3 | 1 | 14.7 | 16.8 | 17.8 | 14.9 | 44.08 | 149.46 | 364 | 4.86 | 2.6 | 0.53 |
| | 2 | 20.3 | 21 | 21 | 18 | 18.56 | 111.8 | 206.8 | 4.86 | 2.6 | 0.53 |
| | 3 | 20.3 | 21.2 | 22.5 | 18.9 | 35 | 42 | 180 | 5.12 | 3 | 0.59 |
| | 4 | 14.5 | 18 | 17.3 | 14.4 | 36.12 | 121.26 | 294 | 3.24 | 2.6 | 0.80 |
| | 5 | 21 | 22.3 | 22.5 | 18.5 | 27 | 364 | 463.2 | 3.42 | 3.4 | 0.99 |
| | 6 | 19.3 | 20 | 19.9 | 18 | 23.7 | 121.44 | 496 | 6.01 | 3.2 | 0.53 |
| Rerata ± SD | | | 19.88 ± 2.09 | 20.16 ± 2.25 | 17.11 ± 1.94 | 30.74 ± 9.34 | 151.66 ± 110.04 | 334.00 ± 130.63 | 4.58 ± 1.06 | 2.90 ± 0.35 | 0.66 ± 0.19 |

Lampiran 5. Uji Normalitas data dan homogenitas varians volume tumor pada minggu 1, 2, dan 3

A. Uji Normalitas Data volume tumor pada minggu 1,2 dan 3

Tests of Normality

| | Perlakuan | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------------------|-----------|---------------------------------|----|-------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| Volume Tumor Minggu 1 | Kontrol | .174 | 6 | .200* | .973 | 6 | .912 |
| | P1 | .329 | 6 | .041 | .786 | 6 | .044 |
| | P2 | .173 | 6 | .200* | .975 | 6 | .925 |
| | P3 | .176 | 6 | .200* | .971 | 6 | .901 |
| Volume Tumor Minggu 2 | Kontrol | .235 | 6 | .200* | .953 | 6 | .764 |
| | P1 | .195 | 6 | .200* | .862 | 6 | .197 |
| | P2 | .157 | 6 | .200* | .984 | 6 | .968 |
| | P3 | .341 | 6 | .028 | .782 | 6 | .040 |
| Volume Tumor Minggu 3 | Kontrol | .194 | 6 | .200* | .903 | 6 | .389 |
| | P1 | .245 | 6 | .200* | .893 | 6 | .332 |
| | P2 | .202 | 6 | .200* | .948 | 6 | .724 |
| | P3 | .172 | 6 | .200* | .928 | 6 | .561 |

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

a. Lilliefors Significance Correction

Tests of Normality

| | Perlakuan | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------------------------|-----------|---------------------------------|----|-------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| Trans Volume Tumor Minggu 1 | Kontrol | .199 | 6 | .200* | .929 | 6 | .571 |
| | P1 | .200 | 6 | .200* | .968 | 6 | .875 |
| | P2 | .144 | 6 | .200* | .973 | 6 | .910 |
| | P3 | .215 | 6 | .200* | .958 | 6 | .801 |
| Trans Volume Tumor Minggu 2 | Kontrol | .274 | 6 | .180 | .901 | 6 | .377 |
| | P1 | .207 | 6 | .200* | .855 | 6 | .173 |
| | P2 | .243 | 6 | .200* | .903 | 6 | .394 |
| | P3 | .328 | 6 | .043 | .863 | 6 | .198 |
| Volume Tumor Minggu 3 | Kontrol | .194 | 6 | .200* | .903 | 6 | .389 |
| | P1 | .245 | 6 | .200* | .893 | 6 | .332 |
| | P2 | .202 | 6 | .200* | .948 | 6 | .724 |
| | P3 | .172 | 6 | .200* | .928 | 6 | .561 |

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

a. Lilliefors Significance Correction

B. Uji homogenitas varian volume tumor pada minggu 1, 2 dan 3

Test of Homogeneity of Variances

| | Levene Statistic | df1 | df2 | Sig. |
|-----------------------------|------------------|-----|-----|------|
| Trans Volume Tumor Minggu 1 | 1.737 | 3 | 20 | .192 |
| Trans Volume Tumor Minggu 2 | .715 | 3 | 20 | .555 |
| Volume Tumor Minggu 3 | .450 | 3 | 20 | .720 |

Lampiran 6. Uji Anova volume tumor pada minggu 1, 2 dan 3

Oneway

Descriptives

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum | |
|-----------------------------|---------|------|----------------|------------|----------------------------------|-------------|----------|---------|--------|
| | | | | | Lower Bound | Upper Bound | | | |
| Trans Volume Tumor Minggu 1 | Kontrol | 6 | .1556 | .02743 | .01120 | .1268 | .1844 | .13 | .20 |
| | P1 | 6 | .1801 | .06068 | .02477 | .1164 | .2437 | .10 | .28 |
| | P2 | 6 | .2095 | .02325 | .00949 | .1851 | .2339 | .18 | .24 |
| | P3 | 6 | .1860 | .02990 | .01221 | .1546 | .2174 | .15 | .23 |
| | Total | 24 | .1828 | .04073 | .00831 | .1656 | .2000 | .10 | .28 |
| Trans Volume Tumor Minggu 2 | Kontrol | 6 | .0713 | .01894 | .00773 | .0514 | .0912 | .05 | .11 |
| | P1 | 6 | .0768 | .00891 | .00364 | .0675 | .0862 | .07 | .09 |
| | P2 | 6 | .0974 | .01772 | .00724 | .0788 | .1160 | .08 | .13 |
| | P3 | 6 | .0941 | .03327 | .01358 | .0592 | .1290 | .05 | .15 |
| | Total | 24 | .0849 | .02307 | .00471 | .0752 | .0946 | .05 | .15 |
| Volume Tumor Minggu 3 | Kontrol | 6 | 472.0067 | 103.28793 | 42.16712 | 363.6126 | 580.4007 | 358.98 | 606.90 |
| | P1 | 6 | 402.6833 | 109.29751 | 44.62052 | 287.9826 | 517.3840 | 300.80 | 588.00 |
| | P2 | 6 | 269.1883 | 90.92565 | 37.12024 | 173.7677 | 364.6089 | 165.00 | 403.00 |
| | P3 | 6 | 334.0000 | 130.63880 | 53.33307 | 196.9030 | 471.0970 | 180.00 | 496.00 |
| | Total | 24 | 369.4696 | 128.08457 | 26.14515 | 315.3842 | 423.5550 | 165.00 | 606.90 |

ANOVA

| | | Sum of Squares | df | Mean Square | F | Sig. |
|-----------------------------|----------------|----------------|----|-------------|-------|------|
| Trans Volume Tumor Minggu 1 | Between Groups | .009 | 3 | .003 | 2.002 | .146 |
| | Within Groups | .029 | 20 | .001 | | |
| | Total | .038 | 23 | | | |
| Trans Volume Tumor Minggu 2 | Between Groups | .003 | 3 | .001 | 2.111 | .131 |
| | Within Groups | .009 | 20 | .000 | | |
| | Total | .012 | 23 | | | |
| Volume Tumor Minggu 3 | Between Groups | 137588.6 | 3 | 45862.854 | 3.826 | .026 |
| | Within Groups | 239741.6 | 20 | 11987.078 | | |
| | Total | 377330.1 | 23 | | | |

Post Hoc Tests

Multiple Comparisons

LSD

| Dependent Variable | (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|-----------------------------|---------------|---------------|-----------------------|------------|------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| Trans Volume Tumor Minggu 1 | Kontrol | P1 | -.02445 | .02212 | .282 | -.0706 | .0217 |
| | | P2 | -.05387* | .02212 | .024 | -.1000 | -.0077 |
| | | P3 | -.03039 | .02212 | .185 | -.0765 | .0157 |
| | P1 | Kontrol | .02445 | .02212 | .282 | -.0217 | .0706 |
| | | P2 | -.02942 | .02212 | .198 | -.0756 | .0167 |
| | | P3 | -.00594 | .02212 | .791 | -.0521 | .0402 |
| | P2 | Kontrol | .05387* | .02212 | .024 | .0077 | .1000 |
| | | P1 | .02942 | .02212 | .198 | -.0167 | .0756 |
| | | P3 | .02348 | .02212 | .301 | -.0227 | .0696 |
| | P3 | Kontrol | .03039 | .02212 | .185 | -.0157 | .0765 |
| | | P1 | .00594 | .02212 | .791 | -.0402 | .0521 |
| | | P2 | -.02348 | .02212 | .301 | -.0696 | .0227 |
| Trans Volume Tumor Minggu 2 | Kontrol | P1 | -.00555 | .01245 | .661 | -.0315 | .0204 |
| | | P2 | -.02609* | .01245 | .049 | -.0521 | -.0001 |
| | | P3 | -.02281 | .01245 | .082 | -.0488 | .0032 |
| | P1 | Kontrol | .00555 | .01245 | .661 | -.0204 | .0315 |
| | | P2 | -.02054 | .01245 | .115 | -.0465 | .0054 |
| | | P3 | -.01727 | .01245 | .181 | -.0432 | .0087 |
| | P2 | Kontrol | .02609* | .01245 | .049 | .0001 | .0521 |
| | | P1 | .02054 | .01245 | .115 | -.0054 | .0465 |
| | | P3 | .00327 | .01245 | .795 | -.0227 | .0292 |
| | P3 | Kontrol | .02281 | .01245 | .082 | -.0032 | .0488 |
| | | P1 | .01727 | .01245 | .181 | -.0087 | .0432 |
| | | P2 | -.00327 | .01245 | .795 | -.0292 | .0227 |
| Volume Tumor Minggu 3 | Kontrol | P1 | 69.32333 | 63.21149 | .286 | -62.5335 | 201.1802 |
| | | P2 | 202.81833* | 63.21149 | .004 | 70.9615 | 334.6752 |
| | | P3 | 138.00667* | 63.21149 | .041 | 6.1498 | 269.8635 |
| | P1 | Kontrol | -69.32333 | 63.21149 | .286 | -201.1802 | 62.5335 |
| | | P2 | 133.49500* | 63.21149 | .047 | 1.6381 | 265.3519 |
| | | P3 | 68.68333 | 63.21149 | .290 | -63.1735 | 200.5402 |
| | P2 | Kontrol | -202.81833* | 63.21149 | .004 | -334.6752 | -70.9615 |
| | | P1 | -133.49500* | 63.21149 | .047 | -265.3519 | -1.6381 |
| | | P3 | -64.81167 | 63.21149 | .317 | -196.6685 | 67.0452 |
| | P3 | Kontrol | -138.00667* | 63.21149 | .041 | -269.8635 | -6.1498 |
| | | P1 | -68.68333 | 63.21149 | .290 | -200.5402 | 63.1735 |
| | | P2 | 64.81167 | 63.21149 | .317 | -67.0452 | 196.6685 |

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

Lampiran 7. Uji Normalitas data dan homogenitas varians berat badan mencit pada minggu 1, 2, dan 3

A. Uji Normalitas Berat Badan Mencit

Tests of Normality

| Perlakuan | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-------------------------------|---------------------------------|----|-------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| Berat Mencit Minggu 1 Kontrol | .348 | 6 | .022 | .851 | 6 | .159 |
| P1 | .177 | 6 | .200* | .951 | 6 | .748 |
| P2 | .245 | 6 | .200* | .793 | 6 | .051 |
| P3 | .203 | 6 | .200* | .935 | 6 | .616 |
| Berat Mencit Minggu 2 Kontrol | .285 | 6 | .140 | .841 | 6 | .134 |
| P1 | .158 | 6 | .200* | .989 | 6 | .987 |
| P2 | .304 | 6 | .086 | .802 | 6 | .061 |
| P3 | .186 | 6 | .200* | .889 | 6 | .315 |
| Berat Mencit Minggu 3 Kontrol | .157 | 6 | .200* | .957 | 6 | .798 |
| P1 | .239 | 6 | .200* | .938 | 6 | .643 |
| P2 | .199 | 6 | .200* | .907 | 6 | .416 |
| P3 | .342 | 6 | .027 | .804 | 6 | .064 |

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

a. Lilliefors Significance Correction

B. Uji Homogenitas Berat Badan Mencit

Test of Homogeneity of Variances

| | Levene Statistic | df1 | df2 | Sig. |
|-----------------------|------------------|-----|-----|------|
| Berat Mencit Minggu 1 | .987 | 3 | 20 | .419 |
| Berat Mencit Minggu 2 | .661 | 3 | 20 | .586 |
| Berat Mencit Minggu 3 | 1.326 | 3 | 20 | .294 |

Lampiran 8. Uji Anova Berat Badan Mencit

Oneway

Descriptives

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|-------------------------------|----|---------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| Berat Mencit Minggu 1 Kontrol | 6 | 16.6500 | 1.34127 | .54757 | 15.2424 | 18.0576 | 15.00 | 19.10 |
| P1 | 6 | 17.0167 | 1.30601 | .53318 | 15.6461 | 18.3872 | 15.30 | 18.70 |
| P2 | 6 | 18.7833 | 1.39056 | .56770 | 17.3240 | 20.2426 | 16.20 | 19.80 |
| P3 | 6 | 19.8833 | 2.09229 | .85417 | 17.6876 | 22.0791 | 16.80 | 22.30 |
| Total | 24 | 18.0833 | 1.98487 | .40516 | 17.2452 | 18.9215 | 15.00 | 22.30 |
| Berat Mencit Minggu 2 Kontrol | 6 | 17.7333 | 1.77839 | .72602 | 15.8670 | 19.5996 | 16.20 | 21.00 |
| P1 | 6 | 17.2333 | 1.52403 | .62218 | 15.6340 | 18.8327 | 15.00 | 19.30 |
| P2 | 6 | 18.7500 | 1.56045 | .63705 | 17.1124 | 20.3876 | 16.30 | 20.00 |
| P3 | 6 | 20.1667 | 2.25714 | .92147 | 17.7979 | 22.5354 | 17.30 | 22.50 |
| Total | 24 | 18.4708 | 2.03502 | .41540 | 17.6115 | 19.3301 | 15.00 | 22.50 |
| Berat Mencit Minggu 3 Kontrol | 6 | 16.6333 | 1.67531 | .68394 | 14.8752 | 18.3915 | 14.70 | 19.30 |
| P1 | 6 | 16.7167 | 2.03413 | .83043 | 14.5820 | 18.8514 | 13.50 | 19.80 |
| P2 | 6 | 16.6000 | 3.06464 | 1.25113 | 13.3839 | 19.8161 | 12.20 | 19.80 |
| P3 | 6 | 17.1167 | 1.94671 | .79474 | 15.0737 | 19.1596 | 14.40 | 18.90 |
| Total | 24 | 16.7667 | 2.10231 | .42913 | 15.8789 | 17.6544 | 12.20 | 19.80 |

ANOVA

| | | Sum of Squares | df | Mean Square | F | Sig. |
|-----------------------|----------------|----------------|----|-------------|-------|------|
| Berat Mencit Minggu 1 | Between Groups | 41.533 | 3 | 13.844 | 5.642 | .006 |
| | Within Groups | 49.080 | 20 | 2.454 | | |
| | Total | 90.613 | 23 | | | |
| Berat Mencit Minggu 2 | Between Groups | 30.175 | 3 | 10.058 | 3.091 | .050 |
| | Within Groups | 65.075 | 20 | 3.254 | | |
| | Total | 95.250 | 23 | | | |
| Berat Mencit Minggu 3 | Between Groups | 1.023 | 3 | .341 | .068 | .976 |
| | Within Groups | 100.630 | 20 | 5.031 | | |
| | Total | 101.653 | 23 | | | |

Post Hoc Tests

Multiple Comparisons

LSD

| Dependent Variable | (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|-----------------------|---------------|---------------|-----------------------|------------|------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| Berat Mencit Minggu 1 | Kontrol | P1 | -.36667 | .90443 | .689 | -2.2533 | 1.5199 |
| | | P2 | -2.13333* | .90443 | .029 | -4.0199 | -.2467 |
| | | P3 | -3.23333* | .90443 | .002 | -5.1199 | -1.3467 |
| | P1 | Kontrol | .36667 | .90443 | .689 | -1.5199 | 2.2533 |
| | | P2 | -1.76667 | .90443 | .065 | -3.6533 | .1199 |
| | | P3 | -2.86667* | .90443 | .005 | -4.7533 | -.9801 |
| | P2 | Kontrol | 2.13333* | .90443 | .029 | .2467 | 4.0199 |
| | | P1 | 1.76667 | .90443 | .065 | -.1199 | 3.6533 |
| | | P3 | -1.10000 | .90443 | .238 | -2.9866 | .7866 |
| | P3 | Kontrol | 3.23333* | .90443 | .002 | 1.3467 | 5.1199 |
| | | P1 | 2.86667* | .90443 | .005 | .9801 | 4.7533 |
| | | P2 | 1.10000 | .90443 | .238 | -.7866 | 2.9866 |
| Berat Mencit Minggu 2 | Kontrol | P1 | .50000 | 1.04143 | .636 | -1.6724 | 2.6724 |
| | | P2 | -1.01667 | 1.04143 | .341 | -3.1891 | 1.1557 |
| | | P3 | -2.43333* | 1.04143 | .030 | -4.6057 | -.2609 |
| | P1 | Kontrol | -.50000 | 1.04143 | .636 | -2.6724 | 1.6724 |
| | | P2 | -1.51667 | 1.04143 | .161 | -3.6891 | .6557 |
| | | P3 | -2.93333* | 1.04143 | .011 | -5.1057 | -.7609 |
| | P2 | Kontrol | 1.01667 | 1.04143 | .341 | -1.1557 | 3.1891 |
| | | P1 | 1.51667 | 1.04143 | .161 | -.6557 | 3.6891 |
| | | P3 | -1.41667 | 1.04143 | .189 | -3.5891 | .7557 |
| | P3 | Kontrol | 2.43333* | 1.04143 | .030 | .2609 | 4.6057 |
| | | P1 | 2.93333* | 1.04143 | .011 | .7609 | 5.1057 |
| | | P2 | 1.41667 | 1.04143 | .189 | -.7557 | 3.5891 |
| Berat Mencit Minggu 3 | Kontrol | P1 | -.08333 | 1.29505 | .949 | -2.7848 | 2.6181 |
| | | P2 | .03333 | 1.29505 | .980 | -2.6681 | 2.7348 |
| | | P3 | -.48333 | 1.29505 | .713 | -3.1848 | 2.2181 |
| | P1 | Kontrol | .08333 | 1.29505 | .949 | -2.6181 | 2.7848 |
| | | P2 | .11667 | 1.29505 | .929 | -2.5848 | 2.8181 |
| | | P3 | -.40000 | 1.29505 | .761 | -3.1014 | 2.3014 |
| | P2 | Kontrol | -.03333 | 1.29505 | .980 | -2.7348 | 2.6681 |
| | | P1 | -.11667 | 1.29505 | .929 | -2.8181 | 2.5848 |
| | | P3 | -.51667 | 1.29505 | .694 | -3.2181 | 2.1848 |
| | P3 | Kontrol | .48333 | 1.29505 | .713 | -2.2181 | 3.1848 |
| | | P1 | .40000 | 1.29505 | .761 | -2.3014 | 3.1014 |
| | | P2 | .51667 | 1.29505 | .694 | -2.1848 | 3.2181 |

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

Lampiran 9. Uji Normalitas data dan homogenitas varians AgNOR

A. Uji Normalitas AgNOR

Tests of Normality

| Perlakuan | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|---------------|---------------------------------|----|-------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| AgNOR Kontrol | .185 | 6 | .200* | .961 | 6 | .827 |
| P1 | .233 | 6 | .200* | .856 | 6 | .175 |
| P2 | .183 | 6 | .200* | .981 | 6 | .956 |
| P3 | .269 | 6 | .200* | .905 | 6 | .405 |

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

a. Lilliefors Significance Correction

B. Uji Homogenitas AgNOR

Test of Homogeneity of Variances

AgNOR

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 5.347 | 3 | 20 | .007 |

Test of Homogeneity of Variances

Trans_AGNOR

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 9.220 | 3 | 20 | .000 |

Test of Homogeneity of Variances

Trans2_AGNOR

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 7.653 | 3 | 20 | .001 |

Lampiran 10. Uji Kruskal Wallis AgNOR

NPar Tests

Descriptive Statistics

| | N | Mean | Std. Deviation | Minimum | Maximum |
|-----------|----|--------|----------------|---------|---------|
| AgNOR | 24 | 4.1896 | 1.44578 | 1.50 | 6.50 |
| Perlakuan | 24 | 2.50 | 1.142 | 1 | 4 |

Kruskal-Wallis Test

Ranks

| | Perlakuan | N | Mean Rank |
|-------|-----------|----|-----------|
| AgNOR | Kontrol | 6 | 20.83 |
| | P1 | 6 | 7.67 |
| | P2 | 6 | 7.17 |
| | P3 | 6 | 14.33 |
| | Total | 24 | |

Test Statistics^{a,b}

| | AgNOR |
|-------------|--------|
| Chi-Square | 14.960 |
| df | 3 |
| Asymp. Sig. | .002 |

a. Kruskal Wallis Test

b. Grouping Variable: Perlakuan

NPar Tests

Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|-------|-----------|----|-----------|--------------|
| AgNOR | Kontrol | 6 | 9.50 | 57.00 |
| | P1 | 6 | 3.50 | 21.00 |
| | Total | 12 | | |

Test Statistics^b

| | AgNOR |
|--------------------------------|-------------------|
| Mann-Whitney U | .000 |
| Wilcoxon W | 21.000 |
| Z | -2.882 |
| Asymp. Sig. (2-tailed) | .004 |
| Exact Sig. [2*(1-tailed Sig.)] | .002 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

NPar Tests

Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|-------|-----------|----|-----------|--------------|
| AgNOR | Kontrol | 6 | 9.50 | 57.00 |
| | P2 | 6 | 3.50 | 21.00 |
| | Total | 12 | | |

Test Statistics^b

| | AgNOR |
|--------------------------------|-------------------|
| Mann-Whitney U | .000 |
| Wilcoxon W | 21.000 |
| Z | -2.882 |
| Asymp. Sig. (2-tailed) | .004 |
| Exact Sig. [2*(1-tailed Sig.)] | .002 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

NPar Tests

Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|-------|-----------|----|-----------|--------------|
| AgNOR | Kontrol | 6 | 8.83 | 53.00 |
| | P3 | 6 | 4.17 | 25.00 |
| | Total | 12 | | |

Test Statistics^b

| | AgNOR |
|--------------------------------|-------------------|
| Mann-Whitney U | 4.000 |
| Wilcoxon W | 25.000 |
| Z | -2.246 |
| Asymp. Sig. (2-tailed) | .025 |
| Exact Sig. [2*(1-tailed Sig.)] | .026 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|-------|-----------|----|-----------|--------------|
| AgNOR | P1 | 6 | 6.67 | 40.00 |
| | P2 | 6 | 6.33 | 38.00 |
| | Total | 12 | | |

Test Statistics^b

| | AgNOR |
|--------------------------------|-------------------|
| Mann-Whitney U | 17.000 |
| Wilcoxon W | 38.000 |
| Z | -.160 |
| Asymp. Sig. (2-tailed) | .873 |
| Exact Sig. [2*(1-tailed Sig.)] | .937 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

NPar Tests

Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|-------|-----------|----|-----------|--------------|
| AgNOR | P1 | 6 | 4.50 | 27.00 |
| | P3 | 6 | 8.50 | 51.00 |
| | Total | 12 | | |

Test Statistics^b

| | AgNOR |
|--------------------------------|-------------------|
| Mann-Whitney U | 6.000 |
| Wilcoxon W | 27.000 |
| Z | -1.925 |
| Asymp. Sig. (2-tailed) | .054 |
| Exact Sig. [2*(1-tailed Sig.)] | .065 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

NPar Tests

Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|-------|-----------|----|-----------|--------------|
| AgNOR | P2 | 6 | 4.33 | 26.00 |
| | P3 | 6 | 8.67 | 52.00 |
| | Total | 12 | | |

Test Statistics^b

| | AgNOR |
|--------------------------------|-------------------|
| Mann-Whitney U | 5.000 |
| Wilcoxon W | 26.000 |
| Z | -2.085 |
| Asymp. Sig. (2-tailed) | .037 |
| Exact Sig. [2*(1-tailed Sig.)] | .041 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

A. Uji normalitas rerata apoptosis

Tests of Normality

| | Perlakuan | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|------------------|-----------|---------------------------------|----|-------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| Rerata Apoptosis | Kontrol | .191 | 6 | .200* | .925 | 6 | .540 |
| | P1 | .190 | 6 | .200* | .934 | 6 | .614 |
| | P2 | .302 | 6 | .094 | .775 | 6 | .035 |
| | P3 | .303 | 6 | .090 | .832 | 6 | .111 |

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

a. Lilliefors Significance Correction

B. Uji Homogenitas Rerata Apoptosis

Test of Homogeneity of Variances

Rerata Apoptosis

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 2.165 | 3 | 20 | .124 |

Lampiran 12. Uji Anova Rerata Apoptosis

Oneway

Descriptives

Rerata Apoptosis

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|---------|----|--------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | Lower Bound | Upper Bound | | |
| Kontrol | 6 | 1.6333 | .55737 | .22755 | 1.0484 | 2.2183 | 1.00 | 2.40 |
| P1 | 6 | 2.9000 | .46904 | .19149 | 2.4078 | 3.3922 | 2.40 | 3.60 |
| P2 | 6 | 3.2333 | .19664 | .08028 | 3.0270 | 3.4397 | 3.00 | 3.40 |
| P3 | 6 | 2.9000 | .35214 | .14376 | 2.5305 | 3.2695 | 2.60 | 3.40 |
| Total | 24 | 2.6667 | .73583 | .15020 | 2.3560 | 2.9774 | 1.00 | 3.60 |

ANOVA

Rerata Apoptosis

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|--------|------|
| Between Groups | 8.987 | 3 | 2.996 | 17.282 | .000 |
| Within Groups | 3.467 | 20 | .173 | | |
| Total | 12.453 | 23 | | | |

Lampiran 13. Perbandingan Indeks apoptosis / nilai AgNOR

A. Uji Normalitas

Tests of Normality

| | Perlakuan | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|------------------------------|-----------|---------------------------------|----|-------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| Indeks apoptosis/nilai AgNOR | Kontrol | .283 | 6 | .144 | .859 | 6 | .184 |
| | P1 | .253 | 6 | .200* | .890 | 6 | .318 |
| | P2 | .252 | 6 | .200* | .904 | 6 | .399 |
| | P3 | .312 | 6 | .069 | .771 | 6 | .032 |

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

a. Lilliefors Significance Correction

B. Uji Homogenitas Varian

Test of Homogeneity of Variances

Indeks apoptosis/nilai AgNOR

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 7.078 | 3 | 20 | .002 |

Test of Homogeneity of Variances

Trans_index

| Levene Statistic | df1 | df2 | Sig. |
|------------------|-----|-----|------|
| 5.940 | 3 | 20 | .005 |

Lampiran 14. Uji Kruskal Wallis Perbandingan Indeks apoptosis / nilai AgNOR

NPar Tests

Descriptive Statistics

| | N | Mean | Std. Deviation | Minimum | Maximum |
|------------------------------|----|-------|----------------|---------|---------|
| Indeks apoptosis/nilai AgNOR | 24 | .7825 | .47938 | .18 | 2.22 |
| Perlakuan | 24 | 2.50 | 1.142 | 1 | 4 |

Kruskal-Wallis Test

Ranks

| | Perlakuan | N | Mean Rank |
|------------------------------|-----------|----|-----------|
| Indeks apoptosis/nilai AgNOR | Kontrol | 6 | 3.50 |
| | P1 | 6 | 16.67 |
| | P2 | 6 | 18.17 |
| | P3 | 6 | 11.67 |
| | Total | 24 | |

Test Statistics^{a,b}

| | Indeks apoptosis/nilai AgNOR |
|-------------|------------------------------|
| Chi-Square | 15.774 |
| df | 3 |
| Asymp. Sig. | .001 |

a. Kruskal Wallis Test

b. Grouping Variable: Perlakuan

UJI MANN-WHITNEY

NPar Tests

Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|------------------------------|-----------|----|-----------|--------------|
| Indeks apoptosis/nilai AgNOR | Kontrol | 6 | 3.50 | 21.00 |
| | P1 | 6 | 9.50 | 57.00 |
| | Total | 12 | | |

Test Statistics^b

| | Indeks apoptosis/nilai AgNOR |
|--------------------------------|------------------------------|
| Mann-Whitney U | .000 |
| Wilcoxon W | 21.000 |
| Z | -2.882 |
| Asymp. Sig. (2-tailed) | .004 |
| Exact Sig. [2*(1-tailed Sig.)] | .002 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

NPar Tests**Mann-Whitney Test****Ranks**

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|------------------------------|-----------|----|-----------|--------------|
| Indeks apoptosis/nilai AgNOR | Kontrol | 6 | 3.50 | 21.00 |
| | P2 | 6 | 9.50 | 57.00 |
| | Total | 12 | | |

Test Statistics^b

| | Indeks apoptosis/nilai AgNOR |
|--------------------------------|------------------------------|
| Mann-Whitney U | .000 |
| Wilcoxon W | 21.000 |
| Z | -2.887 |
| Asymp. Sig. (2-tailed) | .004 |
| Exact Sig. [2*(1-tailed Sig.)] | .002 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

NPar Tests Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|------------------------------|-----------|----|-----------|--------------|
| Indeks apoptosis/nilai AgNOR | Kontrol | 6 | 3.50 | 21.00 |
| | P3 | 6 | 9.50 | 57.00 |
| | Total | 12 | | |

Test Statistics^b

| | Indeks apoptosis/nilai AgNOR |
|--------------------------------|------------------------------|
| Mann-Whitney U | .000 |
| Wilcoxon W | 21.000 |
| Z | -2.903 |
| Asymp. Sig. (2-tailed) | .004 |
| Exact Sig. [2*(1-tailed Sig.)] | .002 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

NPar Tests Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|------------------------------|-----------|----|-----------|--------------|
| Indeks apoptosis/nilai AgNOR | P1 | 6 | 6.33 | 38.00 |
| | P2 | 6 | 6.67 | 40.00 |
| | Total | 12 | | |

Test Statistics^b

| | Indeks apoptosis/nilai AgNOR |
|--------------------------------|------------------------------|
| Mann-Whitney U | 17.000 |
| Wilcoxon W | 38.000 |
| Z | -.160 |
| Asymp. Sig. (2-tailed) | .873 |
| Exact Sig. [2*(1-tailed Sig.)] | .937 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

NPar Tests

Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|------------------------------|-----------|----|-----------|--------------|
| Indeks apoptosis/nilai AgNOR | P1 | 6 | 7.83 | 47.00 |
| | P3 | 6 | 5.17 | 31.00 |
| | Total | 12 | | |

Test Statistics^b

| | Indeks apoptosis/nilai AgNOR |
|--------------------------------|------------------------------|
| Mann-Whitney U | 10.000 |
| Wilcoxon W | 31.000 |
| Z | -1.290 |
| Asymp. Sig. (2-tailed) | .197 |
| Exact Sig. [2*(1-tailed Sig.)] | .240 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

NPar Tests

Mann-Whitney Test

Ranks

| | Perlakuan | N | Mean Rank | Sum of Ranks |
|------------------------------|-----------|----|-----------|--------------|
| Indeks apoptosis/nilai AgNOR | P2 | 6 | 9.00 | 54.00 |
| | P3 | 6 | 4.00 | 24.00 |
| | Total | 12 | | |

Test Statistics^b

| | Indeks apoptosis/nilai AgNOR |
|--------------------------------|------------------------------|
| Mann-Whitney U | 3.000 |
| Wilcoxon W | 24.000 |
| Z | -2.423 |
| Asymp. Sig. (2-tailed) | .015 |
| Exact Sig. [2*(1-tailed Sig.)] | .015 ^a |

a. Not corrected for ties.

b. Grouping Variable: Perlakuan

Lampiran 15

Lampiran 16

Lampiran 17

Prosedur inokulasi tumor

1. Mencit donor dimatikan dengan eter, kemudian diletakan terlentang pada tatakan/alas fiksasi dan keempat kakinya difiksasi dengan jarum.
2. Kulit dibagian yang bertumor diusap dengan alcohol 70 %, kemudian dibuat sayatan dengan gunting lurus, untuk mengeluarkan tumor.
3. Tumor diletakan di cawan petri kecil yang telah terlebih dahulu dicuci dengan garam fisiologis dan diletakan di atas es.
4. Amati bentuk dan keadaan tumor, kemudian ambil/potong jaringan tumor yang masih baik yaitu bagian yang tanpa nekrosis (biasanya di daerah tepi jika tumor besar) sebanyak kira-kira yang dapat menghasilkan bubur tumor paling sedikit 1 ml dan taruh di cawan petri kecil lainnya. Bersihkan dari jaringan ikat (simpai), jaringan nekrotik dan darah, kemudian cacah/potong-potong sampai halus dengan gunting hingga akhirnya terbentuk “bubur tumor” yang partikelnya dapat melewati jarum trokar. Tambahkan garam fisiologis lebih kurang sama banyak dengan volume tumor.
5. Bubur tumor disuntikkan subkutan diaksila kanan mencit dengan dosis 0,2 ml menggunakan spuit insulin, yang berisi kurang lebih 10^6 sel tumor hidup.
6. Sisa tumor yang padat dimasukkan ke dalam botol formalin untuk dibuat sediaan mikroskopik.
7. Masing-masing mencit diberi nomor di telinganya (lihat bagan) dan dimasukkan ke dalam kandang berbeda yang diberi label berisi : jenis kelompok perlakuan, tanggal transplantasi.³⁸

Lampiran 18

Penatalaksanaan jaringan.

1. Jaringan tumor mammae yang telah dipisah diukur.
2. Masukkan ke dalam larutan fiksatif formol 10% buffer fosfat sampai jaringan terfiksasi sempurna (sekitar 24 jam)
3. Jaringan dipotong dalam beberapa blok ~ 4 mm, dan secara acak diambil 2 blok, dimasukkan dalam kaset.
4. Proses dehidrasi dengan alcohol bertingkat berurutan alcohol 80% selama 1 jam, kemudian masukkan ke dalam 95% diulang 3 kali, masing-masing tiap 1 jam.
5. Proses *clearing* dengan xylol diulang 3 kali, masing-masing 1 jam.
6. Impregnasi dalam parafin cair pada temperature kurang dari 60°C selama 3 kali bergantian masing-masing 1 jam.
7. Embedding dengan menggunakan histoplast sehingga terbentuk blok paraffin, kemudian diberi label.

Lampiran 19

Pewarnaan jaringan dengan HE

1. Blok paraffin dipotong menggunakan mikrotom dengan ketebalan 3-4 μ , tempelkan pada obyek glass yang telah diolesi albumin-gliserin (1:1).
2. Nomori dengan pena kaca sesuai label.
3. Panaskan dalam oven selama 10-15 menit, kemudian dinginkan.
4. Celupkan dalam xylol I-III, masing-masing selama 5 menit.
5. Celupkan dalam alcohol bertingkat berurutan 96%, 80%, 70% dan 50% masing-masing selama 5 menit.
6. Rendam dalam aquadest selama 10 menit.
7. Masukkan dalam hematoksilin selama 15 menit.
8. Bias dengan air mengalir.
9. Celupkan dalam alcohol asam 1-2 celupan.
10. Bilas dengan air mengalir.
11. Masukkan dalam larutan *bluing solution* selama 5 – 15 menit.
12. Bilas dengan air mengalir.
13. Masukkan dalam alcohol 50% I-II masing-masing selama 2 menit, dan alcohol 70% I-II masing-masing selama 2 menit.
14. Masukkan dalam eosin selama 2 menit.
15. Bilas dengan alcohol 70%, 80%, 96% dan alcohol absolute masing-masing 2-3 celupan.
16. Dipres dengan kertas saring.
17. Masukkan dalam xylol I selama 5 menit, dipres dengan kertas saring.
18. Xylol II selama 5 menit, dipres dengan kertas saring.

19. Xylol III selama 30 menit, pres dengan kertas saring.
20. Tetesi dengan E-Z Mount.
21. Tutup sediaan dengan *cover glass*, diberi label.
22. Sediaan siap dilihat di mikroskop.

LAMPIRAN 20

PEWARNAAN SEL PROLIFERASI DENGAN AgNOR

1. Blok parafin massa tumor dipotong dengan mikrotom setebal 4 μm .

2. Slide dideparafinisasi dengan menggunakan xilol dan direhidrasi dengan etanol, kemudian dicuci dalam air deionisasi.
3. Bubuk gelatin dengan konsentrasi 2% b/v dalam air deionisasi di atas penangas air ditambahkan asam formiat murni hingga konsentrasi menjadi 1% dan terakhir dimasukkan larutan perak nitrat 50% (1:2)
4. Setiap slide ditetesi larutan perak menggunakan filter millipore sampai seluruh sampel jaringan tertutup.
5. Slide diinkubasi dalam ruang gelap selama 45 menit.
6. Slide dicuci dalam air deionisasi dan selanjutnya diinkubasi dalam larutan natrium tiosulfat 5% selama 2 menit, kemudian dilakukan dehidrasi dengan menggunakan etanol dan dicuci dengan xilol, akhirnya ditutup dengan perekat dan kaca penutup.

Sediaan-sediaan yang telah dipulas AgNOR diperiksa secara manual dengan menggunakan mikroskop cahaya

Lampiran 21

Pewarnaan sel Apoptosis dengan Tunel

1. Blok paraffin dipotong menggunakan mikrotom dengan ketebalan 3-4 μ , tempelkan pada obyek glass yang telah diolesi poly-L-Lysine.
2. Deparafinisasi dalam xylene, alcohol bertingkat dan aquades.
3. Beri sitrat buffer; 60° dalam mikrowafe selama 38 menit.
4. Bilas dengan PBS 3 kali (masing-masing 2 menit).
5. Beri proteinase K : 15 menit
6. Cuci dengan H₂O 2 kali (2 menit)
7. Masukkan dalam 3% H₂O₂ selama 15 menit.
8. Cuci dengan PBS 3 kali.
9. Masukkan ke dalam equilibrium buffer selama 10 menit pada suhu kamar.
10. Masukkan pada working strength TdT enzyme yang dilengkapi dioxygenin pada 37°C selama 1 jam , masukkan stop buffer 15 menit, cuci dengan PBS 3 kali, masukkan pada anti dioxygenin yang dilabel peroxidase selama 30 menit, cuci dengan H₂O₂ tiga kali (masing-masing 1 menit), DAB-perxida selama 10 menit, cuci dengan H₂O, dilanjutkan dengan dehidrasi, clearing dan mounting.

Lampiran 22

Hasil Penghitungan Nilai AgNOR dan TUNEL

Hasil Pembacaan Nilai AgNOR

| Kel | n | Penghitung I | Penghitung II | Rerata |
|-----|---|--------------|---------------|--------|
| K | 1 | 6,35 | 6,65 | 6,5 |
| | 2 | 5,87 | 5,29 | 5,58 |
| | 3 | 4,78 | 5,38 | 5,08 |
| | 4 | 6,43 | 6,01 | 6,22 |
| | 5 | 5,81 | 6,33 | 6,07 |
| | 6 | 5,74 | 5,44 | 5,59 |
| P1 | 1 | 1,59 | 1,41 | 1,5 |
| | 2 | 4,26 | 3,84 | 4,05 |
| | 3 | 4,46 | 4,52 | 4,49 |
| | 4 | 1,56 | 1,68 | 1,62 |
| | 5 | 2,88 | 2,7 | 2,79 |
| | 6 | 4,96 | 4,24 | 4,6 |
| P2 | 1 | 3,11 | 3,25 | 3,18 |
| | 2 | 2,41 | 2,25 | 2,33 |
| | 3 | 4,01 | 3,69 | 3,85 |
| | 4 | 2,74 | 2,98 | 2,86 |
| | 5 | 3,57 | 3,39 | 3,48 |
| | 6 | 3,16 | 3,34 | 3,25 |
| P3 | 1 | 4,66 | 5,06 | 4,86 |
| | 2 | 4,89 | 4,83 | 4,86 |
| | 3 | 5,26 | 4,98 | 5,12 |
| | 4 | 3,18 | 3,3 | 3,24 |
| | 5 | 3,33 | 3,51 | 3,42 |
| | 6 | 6,22 | 5,8 | 6,01 |

Hasil Pembacaan Rerata Skor Indeks Apoptosis

| Kel | n | Penghitung I | Penghitung II | Rerata |
|-----|---|--------------|---------------|--------|
| K | 1 | 1,6 | 1,6 | 1,6 |
| | 2 | 2 | 2,4 | 2,2 |
| | 3 | 2,2 | 2,6 | 2,4 |

| | | | | |
|-----------|---|-----|-----|-----|
| | 4 | 1,2 | 1,2 | 1,2 |
| | 5 | 1,4 | 1,4 | 1,4 |
| | 6 | 1 | 1 | 1 |
| P1 | 1 | 2,4 | 2,4 | 2,4 |
| | 2 | 3 | 2,6 | 2,8 |
| | 3 | 3 | 3 | 3 |
| | 4 | 3,8 | 3,4 | 3,6 |
| | 5 | 3 | 3,4 | 3,2 |
| | 6 | 2,4 | 2,4 | 2,4 |
| P2 | 1 | 3,2 | 3,6 | 3,4 |
| | 2 | 3 | 3 | 3 |
| | 3 | 3,2 | 3,6 | 3,4 |
| | 4 | 3,2 | 2,8 | 3 |
| | 5 | 3,2 | 3,6 | 3,4 |
| | 6 | 3,2 | 3,2 | 3,2 |
| P3 | 1 | 2,6 | 2,6 | 2,6 |
| | 2 | 2,8 | 2,4 | 2,6 |
| | 3 | 3,2 | 2,8 | 3 |
| | 4 | 2,6 | 2,6 | 2,6 |
| | 5 | 3,2 | 3,6 | 3,4 |
| | 6 | 3,2 | 3,2 | 3,2 |