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## **LAMPIRAN**

Lampiran 1. Hasil anova indeks fagositosis, hematokrit, total leukosit, total eritrosit, dan differensial leukosittotal ikan nila

| ANOVA                 |                |                   |    |                   |       |      |
|-----------------------|----------------|-------------------|----|-------------------|-------|------|
|                       |                | Sum of Squares    | df | Mean Square       | F     | Sig. |
| IndeksFagositosis     | Between Groups | 258.250           | 3  | 86.083            | 2.986 | .096 |
|                       | Within Groups  | 230.667           | 8  | 28.833            |       |      |
|                       | Total          | 488.917           | 11 |                   |       |      |
| Hematokrit            | Between Groups | 68.388            | 3  | 22.796            | 2.989 | .096 |
|                       | Within Groups  | 61.018            | 8  | 7.627             |       |      |
|                       | Total          | 129.406           | 11 |                   |       |      |
| TotalLeukosit         | Between Groups | 138304166.700     | 3  | 46101388.890      | 9.278 | .006 |
|                       | Within Groups  | 39750000.000      | 8  | 4968750.000       |       |      |
|                       | Total          | 178054166.700     | 11 |                   |       |      |
| TotalEritrosit        | Between Groups | 5467030000000.000 | 3  | 1822343333000.000 | 2.895 | .102 |
|                       | Within Groups  | 5035952000000.000 | 8  | 629494000000.000  |       |      |
|                       | Total          | 1050298200000.000 | 11 |                   |       |      |
| DifferensialLeukositL | Between Groups | 626.917           | 3  | 208.972           | 5.393 | .025 |
|                       | Within Groups  | 310.000           | 8  | 38.750            |       |      |
|                       | Total          | 936.917           | 11 |                   |       |      |
| DifferensialLeukositM | Between Groups | 98.667            | 3  | 32.889            | 3.987 | .052 |
|                       | Within Groups  | 66.000            | 8  | 8.250             |       |      |
|                       | Total          | 164.667           | 11 |                   |       |      |
| DifferensialLeukositN | Between Groups | 84.250            | 3  | 28.083            | .675  | .591 |
|                       | Within Groups  | 332.667           | 8  | 41.583            |       |      |
|                       | Total          | 416.917           | 11 |                   |       |      |
| DifferensialLeukositT | Between Groups | 187.667           | 3  | 62.556            | 1.970 | .197 |
|                       | Within Groups  | 254.000           | 8  | 31.750            |       |      |
|                       | Total          | 441.667           | 11 |                   |       |      |

Lampiran 2. Uji lanjut w-tuckey penambahan dosis ekstrak *Aloe vera* berbeda terhadap indeks fagositosis, hematokrit, total leukosit, total eritrosit, dan differensial leukosit total eritrosit ikan nila

#### Multiple Comparisons

Tukey HSD

| Dependent Variable | (I) Perlakuan                  | (J) Perlakuan                  | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |             |
|--------------------|--------------------------------|--------------------------------|-----------------------|------------|------|-------------------------|-------------|
|                    |                                |                                |                       |            |      | Lower Bound             | Upper Bound |
| Indeks Fagositosis | A : 0 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan   | -8.0000000            | 4.3843155  | .330 | -22.040121              | 6.040121    |
|                    |                                | C : 10 gr Aloe vera / kg Pakan | 5.0000000             | 4.3843155  | .677 | -9.040121               | 19.040121   |
|                    |                                | D: 15 gr Aloe vera / kg Pakan  | -.6666667             | 4.3843155  | .999 | -14.706788              | 13.373455   |
|                    | B: 5 gr Aloe vera / kg Pakan   | A : 0 gr Aloe vera / kg Pakan  | 8.0000000             | 4.3843155  | .330 | -6.040121               | 22.040121   |
|                    |                                | C : 10 gr Aloe vera / kg Pakan | 13.0000000            | 4.3843155  | .070 | -1.040121               | 27.040121   |
|                    |                                | D: 15 gr Aloe vera / kg Pakan  | 7.3333333             | 4.3843155  | .396 | -6.706788               | 21.373455   |
|                    | C : 10 gr Aloe vera / kg Pakan | A : 0 gr Aloe vera / kg Pakan  | -5.0000000            | 4.3843155  | .677 | -19.040121              | 9.040121    |
|                    |                                | B: 5 gr Aloe vera / kg Pakan   | -13.0000000           | 4.3843155  | .070 | -27.040121              | 1.040121    |
|                    |                                | D: 15 gr Aloe vera / kg Pakan  | -5.6666667            | 4.3843155  | .592 | -19.706788              | 8.373455    |
|                    | D: 15 gr Aloe vera / kg Pakan  | A : 0 gr Aloe vera / kg Pakan  | .6666667              | 4.3843155  | .999 | -13.373455              | 14.706788   |
|                    |                                | B: 5 gr Aloe vera / kg Pakan   | -7.3333333            | 4.3843155  | .396 | -21.373455              | 6.706788    |
|                    |                                | C : 10 gr Aloe vera / kg Pakan | 5.6666667             | 4.3843155  | .592 | -8.373455               | 19.706788   |
| Hematokrit         | A : 0 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan   | 4.5883333             | 2.2549521  | .252 | -2.632817               | 11.809484   |
|                    |                                | C : 10 gr Aloe vera / kg Pakan | -1.7480000            | 2.2549521  | .864 | -8.969151               | 5.473151    |
|                    |                                | D: 15 gr Aloe vera / kg Pakan  | 2.3016667             | 2.2549521  | .743 | -4.919484               | 9.522817    |
|                    |                                | B: 5 gr Aloe vera / kg Pakan   | -4.5883333            | 2.2549521  | .252 | -11.809484              | 2.632817    |
|                    | C : 10 gr Aloe vera / kg Pakan | A : 0 gr Aloe vera / kg Pakan  | -6.3363333            | 2.2549521  | .087 | -13.557484              | .884817     |
|                    |                                | B: 5 gr Aloe vera / kg Pakan   | -2.2866667            | 2.2549521  | .746 | -9.507817               | 4.934484    |
|                    |                                | D: 15 gr Aloe vera / kg Pakan  | 1.7480000             | 2.2549521  | .864 | -5.473151               | 8.969151    |
|                    | D: 15 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan   | 6.3363333             | 2.2549521  | .087 | -8.84817                | 13.557484   |
|                    |                                | C : 10 gr Aloe vera / kg Pakan | 4.0496667             | 2.2549521  | .341 | -3.171484               | 11.270817   |
|                    |                                | A : 0 gr Aloe vera / kg Pakan  | -2.3016667            | 2.2549521  | .743 | -9.522817               | 4.919484    |

|                |                                |                                |              |             |       |              |              |
|----------------|--------------------------------|--------------------------------|--------------|-------------|-------|--------------|--------------|
| TotalLeukosit  | A : 0 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan   | -9433.33333* | 1820.027472 | .004  | -15261.7020  | -3604.964709 |
|                |                                | C : 10 gr Aloe vera / kg Pakan | -5816.66667  | 1820.027472 | .050  | -11645.0353  | 11.701958    |
|                |                                | D: 15 gr Aloe vera / kg Pakan  | -4050.00000  | 1820.027472 | .196  | -9878.368625 | 1778.368625  |
|                |                                | B: 5 gr Aloe vera / kg Pakan   | 9433.33333*  | 1820.027472 | .004  | 3604.964709  | 15261.70196  |
|                | C : 10 gr Aloe vera / kg Pakan | A : 0 gr Aloe vera / kg Pakan  | 3616.666667  | 1820.027472 | .268  | -2211.701958 | 9445.035291  |
|                |                                | B: 5 gr Aloe vera / kg Pakan   | 5383.333333  | 1820.027472 | .071  | -445.035291  | 11211.70196  |
|                |                                | D: 15 gr Aloe vera / kg Pakan  | 5816.666667  | 1820.027472 | .050  | -11.701958   | 11645.03529  |
|                | D: 15 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan   | -3616.66667  | 1820.027472 | .268  | -9445.035291 | 2211.701958  |
|                |                                | C: 10 gr Aloe vera / kg Pakan  | 1766.666667  | 1820.027472 | .769  | -4061.701958 | 7595.035291  |
|                |                                | A : 0 gr Aloe vera / kg Pakan  | 4050.00000   | 1820.027472 | .196  | -1778.368625 | 9878.368625  |
|                | DifferentialLeukositL          | B: 5 gr Aloe vera / kg Pakan   | -5383.33333  | 1820.027472 | .071  | -11211.7020  | 445.035291   |
|                |                                | C : 10 gr Aloe vera / kg Pakan | -1766.66667  | 1820.027472 | .769  | -7595.035291 | 4061.701958  |
|                |                                | A : 0 gr Aloe vera / kg Pakan  | 19.66667*    | 5.08265     | .020  | 3.3902       | 35.9431      |
| TotalEritrosit | A : 0 gr Aloe vera / kg Pakan  | B : 5 gr Aloe vera / kg Pakan  | 8.33333      | 5.08265     | .411  | -7.9431      | 24.6098      |
|                |                                | C : 10 gr Aloe vera / kg Pakan | 5.00000      | 5.08265     | .762  | -11.2764     | 21.2764      |
|                |                                | D: 15 gr Aloe vera / kg Pakan  | -19.66667*   | 5.08265     | .020  | -35.9431     | -3.3902      |
|                |                                | A : 0 gr Aloe vera / kg Pakan  | -11.33333    | 5.08265     | .195  | -27.6098     | 4.9431       |
|                | B: 5 gr Aloe vera / kg Pakan   | C : 10 gr Aloe vera / kg Pakan | -14.66667    | 5.08265     | .078  | -30.9431     | 1.6098       |
|                |                                | D: 15 gr Aloe vera / kg Pakan  | -8.33333     | 5.08265     | .411  | -24.6098     | 7.9431       |
|                |                                | A : 0 gr Aloe vera / kg Pakan  | 11.33333     | 5.08265     | .195  | -4.9431      | 27.6098      |
|                | C : 10 gr Aloe vera / kg Pakan | B: 5 gr Aloe vera / kg Pakan   | -3.33333     | 5.08265     | .911  | -19.6098     | 12.9431      |
|                |                                | D: 15 gr Aloe vera / kg Pakan  | -5.00000     | 5.08265     | .762  | -21.2764     | 11.2764      |
|                |                                | A : 0 gr Aloe vera / kg Pakan  | 14.66667     | 5.08265     | .078  | -1.6098      | 30.9431      |
|                | D: 15 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan   | 3.33333      | 5.08265     | .911  | -12.9431     | 19.6098      |
|                |                                | C : 10 gr Aloe vera / kg Pakan | -1626000.00  | 647813.7592 | .133  | -3700527.69  | 448527.6907  |
|                |                                | D: 15 gr Aloe vera / kg Pakan  | -129000.000  | 647813.7592 | .997  | -2203527.69  | 1945527.691  |
| TotalMonosit   | A : 0 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan   | 83666.66667  | 647813.7592 | .999  | -2158194.36  | 1990861.024  |
|                |                                | C : 10 gr Aloe vera / kg Pakan | -1542333.33  | 647813.7592 | .159  | -3616861.02  | 532194.3573  |
|                |                                | D: 15 gr Aloe vera / kg Pakan  | -45333.33333 | 647813.7592 | 1.000 | -2119861.02  | 2029194.357  |
|                |                                | A : 0 gr Aloe vera / kg Pakan  | 1626000.000  | 647813.7592 | .133  | -448527.6907 | 3700527.691  |
|                | B: 5 gr Aloe vera / kg Pakan   | B: 5 gr Aloe vera / kg Pakan   | 1542333.333  | 647813.7592 | .159  | -532194.3573 | 3616861.024  |
|                |                                | C : 10 gr Aloe vera / kg Pakan | 1497000.000  | 647813.7592 | .174  | -577527.6907 | 3571527.691  |
|                |                                | A : 0 gr Aloe vera / kg Pakan  | 129000.0000  | 647813.7592 | .997  | -1945527.69  | 2203527.691  |
|                | C : 10 gr Aloe vera / kg Pakan | B: 5 gr Aloe vera / kg Pakan   | 45333.33333  | 647813.7592 | 1.000 | -2029194.36  | 2119861.024  |
|                |                                | C : 10 gr Aloe vera / kg Pakan | -1497000.00  | 647813.7592 | .174  | -3571527.69  | 577527.6907  |
|                |                                | A : 0 gr Aloe vera / kg Pakan  | 45333.33333  | 647813.7592 | .997  | -15261.7020  | 15261.70196  |

|              |            |                                |                                |          |         |       |          |         |
|--------------|------------|--------------------------------|--------------------------------|----------|---------|-------|----------|---------|
| Differensial | Leukosit N | A : 0 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan   | -4.33333 | 5.26519 | .842  | -21.1943 | 12.5277 |
|              |            |                                | C : 10 gr Aloe vera / kg Pakan | -4.33333 | 5.26519 | .842  | -21.1943 | 12.5277 |
|              |            |                                | D: 15 gr Aloe vera / kg Pakan  | 1.66667  | 5.26519 | .988  | -15.1943 | 18.5277 |
|              |            | B: 5 gr Aloe vera / kg Pakan   | A : 0 gr Aloe vera / kg Pakan  | 4.33333  | 5.26519 | .842  | -12.5277 | 21.1943 |
|              |            |                                | C : 10 gr Aloe vera / kg Pakan | .00000   | 5.26519 | 1.000 | -16.8610 | 16.8610 |
|              |            |                                | D: 15 gr Aloe vera / kg Pakan  | 6.00000  | 5.26519 | .677  | -10.8610 | 22.8610 |
|              |            | C : 10 gr Aloe vera / kg Pakan | A : 0 gr Aloe vera / kg Pakan  | 4.33333  | 5.26519 | .842  | -12.5277 | 21.1943 |
|              |            |                                | B: 5 gr Aloe vera / kg Pakan   | .00000   | 5.26519 | 1.000 | -16.8610 | 16.8610 |
|              |            |                                | D: 15 gr Aloe vera / kg Pakan  | 6.00000  | 5.26519 | .677  | -10.8610 | 22.8610 |
|              |            | D: 15 gr Aloe vera / kg Pakan  | A : 0 gr Aloe vera / kg Pakan  | -1.66667 | 5.26519 | .988  | -18.5277 | 15.1943 |
|              |            |                                | B: 5 gr Aloe vera / kg Pakan   | -6.00000 | 5.26519 | .677  | -22.8610 | 10.8610 |
|              |            |                                | C : 10 gr Aloe vera / kg Pakan | -6.00000 | 5.26519 | .677  | -22.8610 | 10.8610 |
| Differensial | Leukosit T | A : 0 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan   | -8.66667 | 4.60072 | .306  | -23.3998 | 6.0665  |
|              |            |                                | C : 10 gr Aloe vera / kg Pakan | .66667   | 4.60072 | .999  | -14.0665 | 15.3998 |
|              |            |                                | D: 15 gr Aloe vera / kg Pakan  | .66667   | 4.60072 | .999  | -14.0665 | 15.3998 |
|              |            | B: 5 gr Aloe vera / kg Pakan   | A : 0 gr Aloe vera / kg Pakan  | 8.66667  | 4.60072 | .306  | -6.0665  | 23.3998 |
|              |            |                                | C : 10 gr Aloe vera / kg Pakan | 9.33333  | 4.60072 | .254  | -5.3998  | 24.0665 |
|              |            |                                | D: 15 gr Aloe vera / kg Pakan  | 9.33333  | 4.60072 | .254  | -5.3998  | 24.0665 |
|              |            | C : 10 gr Aloe vera / kg Pakan | A : 0 gr Aloe vera / kg Pakan  | -.66667  | 4.60072 | .999  | -15.3998 | 14.0665 |
|              |            |                                | B: 5 gr Aloe vera / kg Pakan   | -9.33333 | 4.60072 | .254  | -24.0665 | 5.3998  |
|              |            |                                | D: 15 gr Aloe vera / kg Pakan  | .00000   | 4.60072 | 1.000 | -14.7331 | 14.7331 |
|              |            | D: 15 gr Aloe vera / kg Pakan  | A : 0 gr Aloe vera / kg Pakan  | -.66667  | 4.60072 | .999  | -15.3998 | 14.0665 |
|              |            |                                | B: 5 gr Aloe vera / kg Pakan   | -9.33333 | 4.60072 | .254  | -24.0665 | 5.3998  |
|              |            |                                | C : 10 gr Aloe vera / kg Pakan | .00000   | 4.60072 | 1.000 | -14.7331 | 14.7331 |

### IndeksFagositosis

Tukey HSD<sup>a</sup>

| Perlakuan                      | N | Subset for alpha = 0.05 |  |
|--------------------------------|---|-------------------------|--|
|                                |   | 1                       |  |
| C : 10 gr Aloe vera / kg Pakan | 3 | 29.666667               |  |
| A : 0 gr Aloe vera / kg Pakan  | 3 | 34.666667               |  |
| D: 15 gr Aloe vera / kg Pakan  | 3 | 35.333333               |  |
| B: 5 gr Aloe vera / kg Pakan   | 3 | 42.666667               |  |
| Sig.                           |   | .070                    |  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

### Hematokrit

Tukey HSD<sup>a</sup>

| Perlakuan                      | N | Subset for alpha = 0.05 |  |
|--------------------------------|---|-------------------------|--|
|                                |   | 1                       |  |
| B: 5 gr Aloe vera / kg Pakan   | 3 | 21.441333               |  |
| D: 15 gr Aloe vera / kg Pakan  | 3 | 23.728000               |  |
| A : 0 gr Aloe vera / kg Pakan  | 3 | 26.029667               |  |
| C : 10 gr Aloe vera / kg Pakan | 3 | 27.777667               |  |
| Sig.                           |   | .087                    |  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

### TotalEritrosit

Tukey HSD<sup>a</sup>

| Perlakuan                         | N | Subset for alpha = 0.05 |  |
|-----------------------------------|---|-------------------------|--|
|                                   |   | 1                       |  |
| A : 0 gr Aloe vera / kg Pakan     | 3 | 637333.3333             |  |
| B: 5 gr Aloe vera / kg Pakan      | 3 | 721000.0000             |  |
| D: 15 gr Aloe vera / kg<br>Pakan  | 3 | 766333.3333             |  |
| C : 10 gr Aloe vera / kg<br>Pakan | 3 | 2263333.3330            |  |
| Sig.                              |   | .133                    |  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

### DifferensialLeukositL

Tukey HSD<sup>a</sup>

| Perlakuan                         | N | Subset for alpha = 0.05 |         |
|-----------------------------------|---|-------------------------|---------|
|                                   |   | 1                       | 2       |
| B: 5 gr Aloe vera / kg Pakan      | 3 | 35.0000                 |         |
| C : 10 gr Aloe vera / kg<br>Pakan | 3 | 46.3333                 | 46.3333 |
| D: 15 gr Aloe vera / kg<br>Pakan  | 3 | 49.6667                 | 49.6667 |
| A : 0 gr Aloe vera / kg Pakan     | 3 |                         | 54.6667 |
| Sig.                              |   | .078                    | .411    |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

### Differensial Leukosit M

Tukey HSD<sup>a</sup>

| Perlakuan                      | N | Subset for alpha = 0.05 |
|--------------------------------|---|-------------------------|
|                                |   | 1                       |
| A : 0 gr Aloe vera / kg Pakan  | 3 | 19.6667                 |
| C : 10 gr Aloe vera / kg Pakan | 3 | 24.3333                 |
| B: 5 gr Aloe vera / kg Pakan   | 3 | 26.3333                 |
| D: 15 gr Aloe vera / kg Pakan  | 3 | 27.0000                 |
| Sig.                           |   | .056                    |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

### Differensial Leukosit N

Tukey HSD<sup>a</sup>

| Perlakuan                      | N | Subset for alpha = 0.05 |
|--------------------------------|---|-------------------------|
|                                |   | 1                       |
| D: 15 gr Aloe vera / kg Pakan  | 3 | 12.0000                 |
| A : 0 gr Aloe vera / kg Pakan  | 3 | 13.6667                 |
| B: 5 gr Aloe vera / kg Pakan   | 3 | 18.0000                 |
| C : 10 gr Aloe vera / kg Pakan | 3 | 18.0000                 |
| Sig.                           |   | .677                    |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

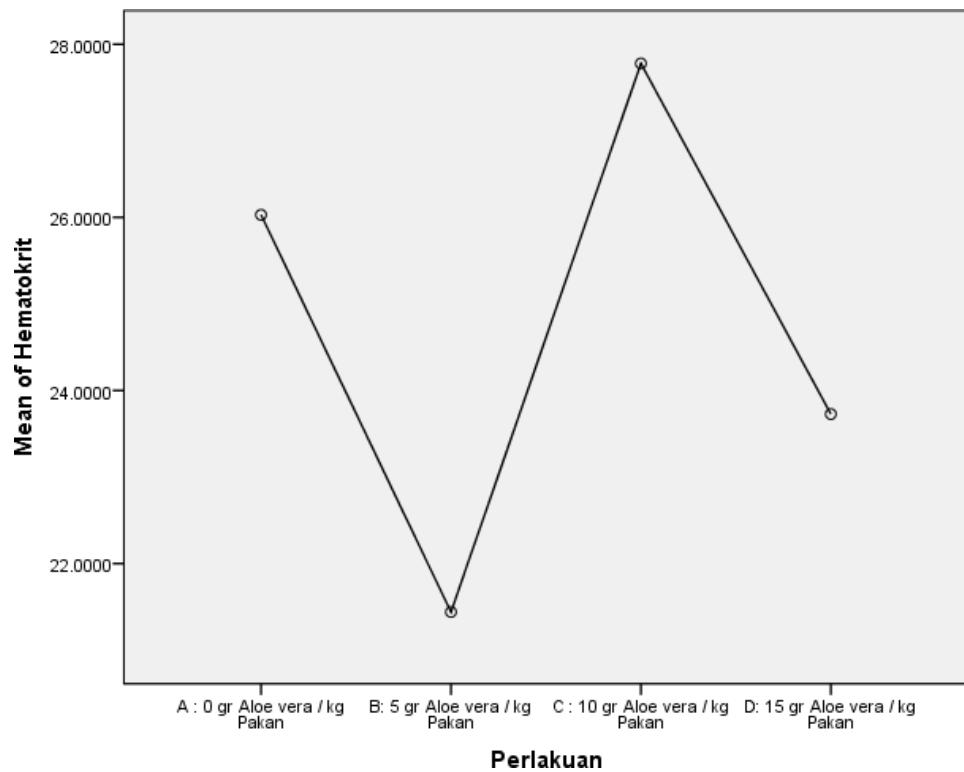
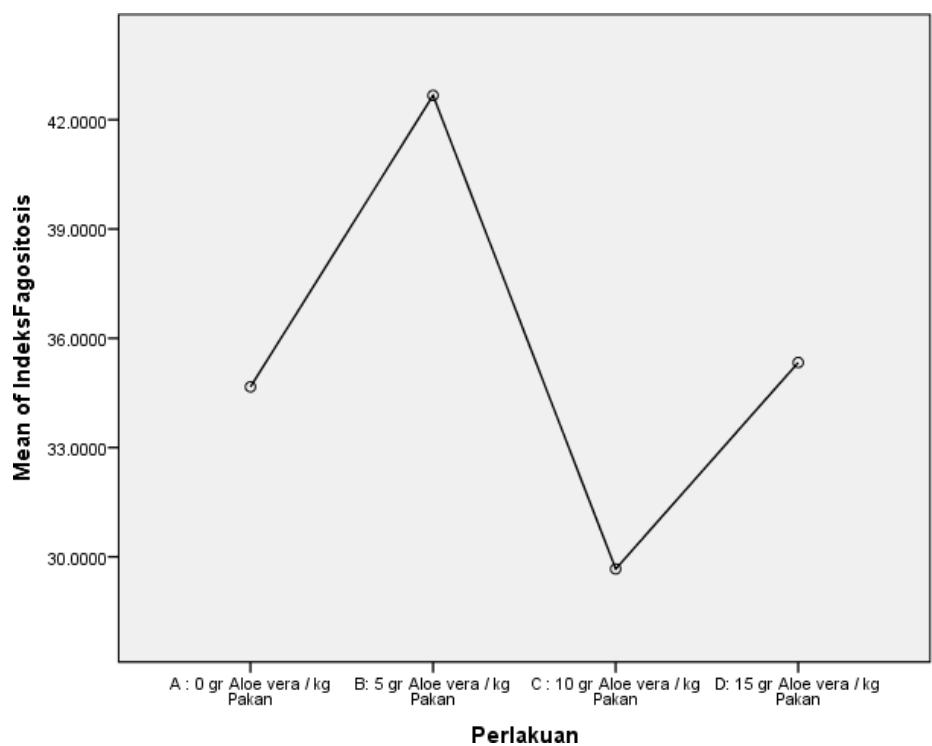
### Differensial Leukosit T

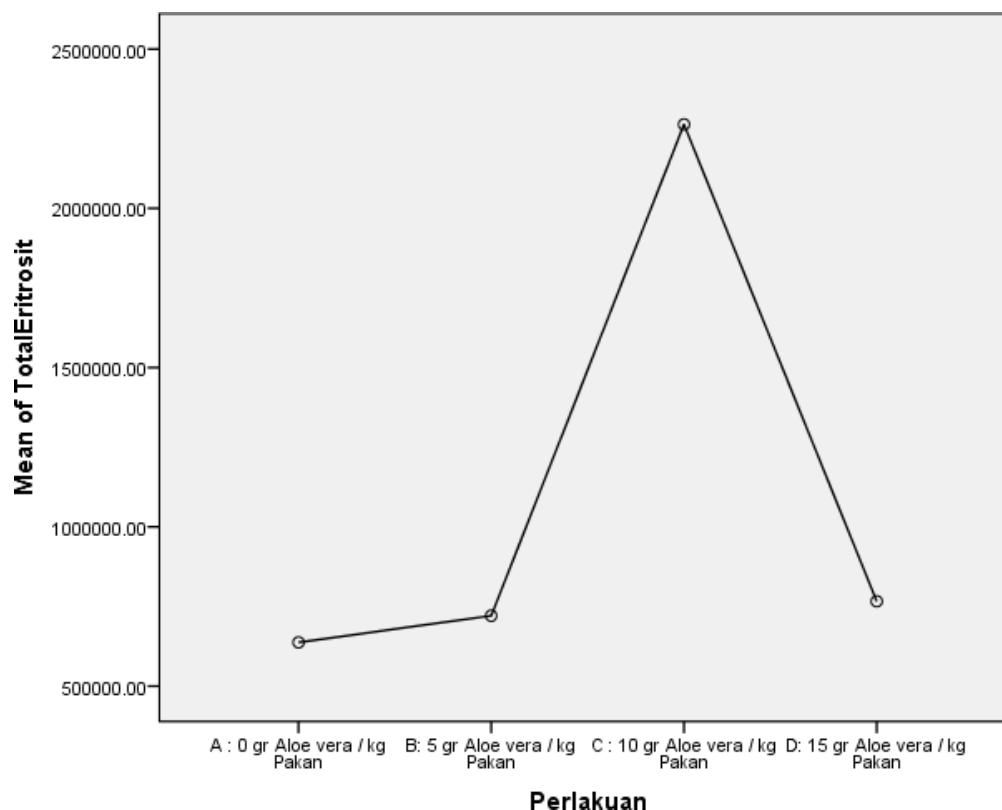
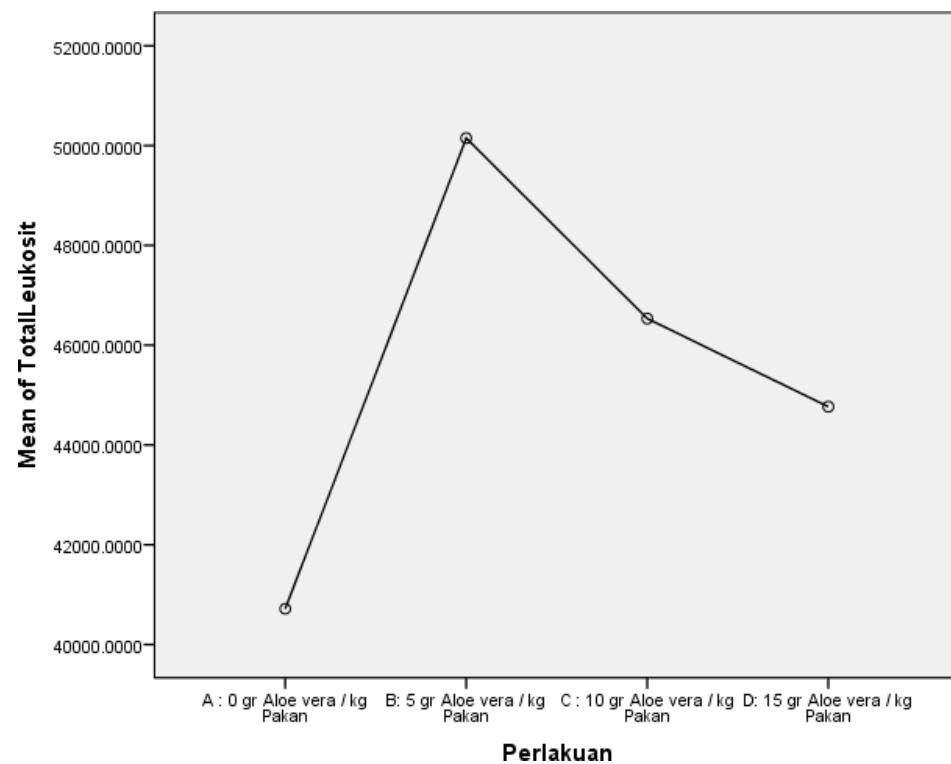
Tukey HSD<sup>a</sup>

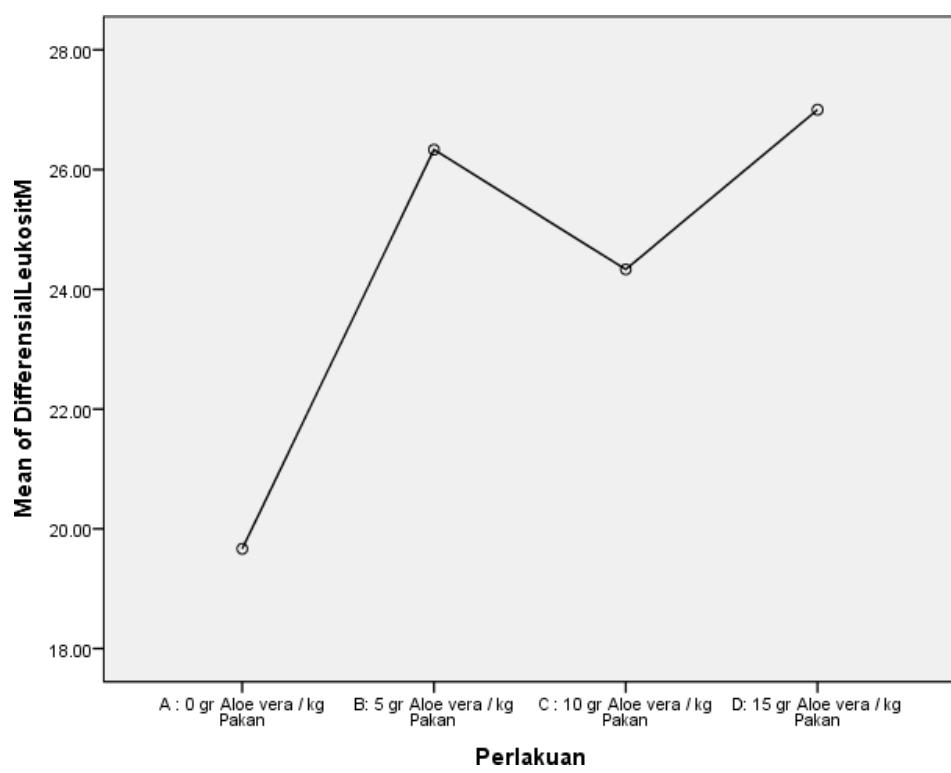
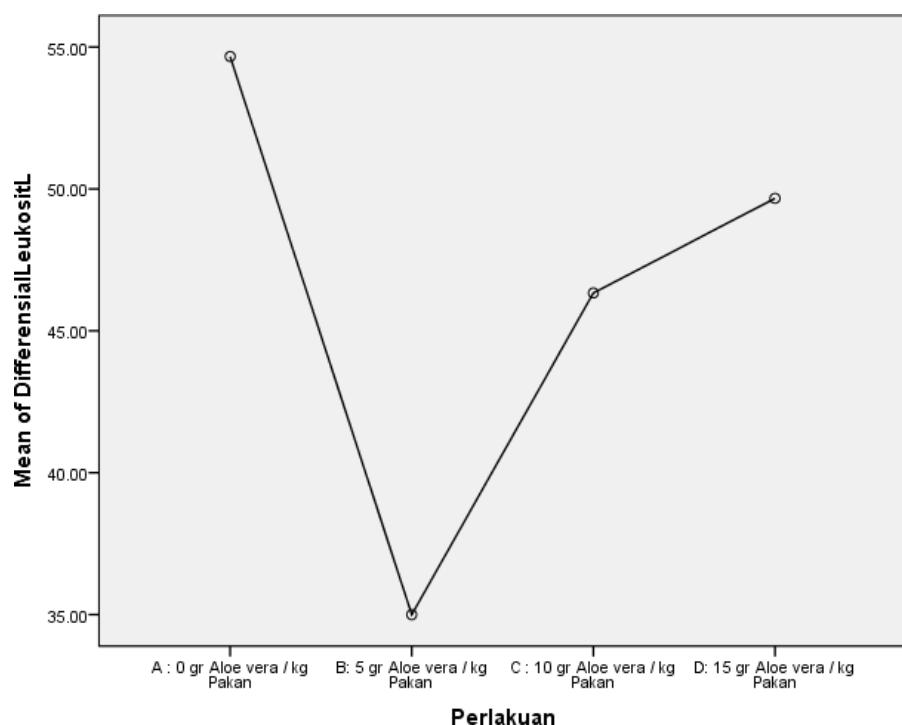
| Perlakuan                      | N | Subset for alpha = 0.05 |
|--------------------------------|---|-------------------------|
|                                |   | 1                       |
| C : 10 gr Aloe vera / kg Pakan | 3 | 11.3333                 |
| D: 15 gr Aloe vera / kg Pakan  | 3 | 11.3333                 |
| A : 0 gr Aloe vera / kg Pakan  | 3 | 12.0000                 |
| B: 5 gr Aloe vera / kg Pakan   | 3 | 20.6667                 |
| Sig.                           |   | .254                    |

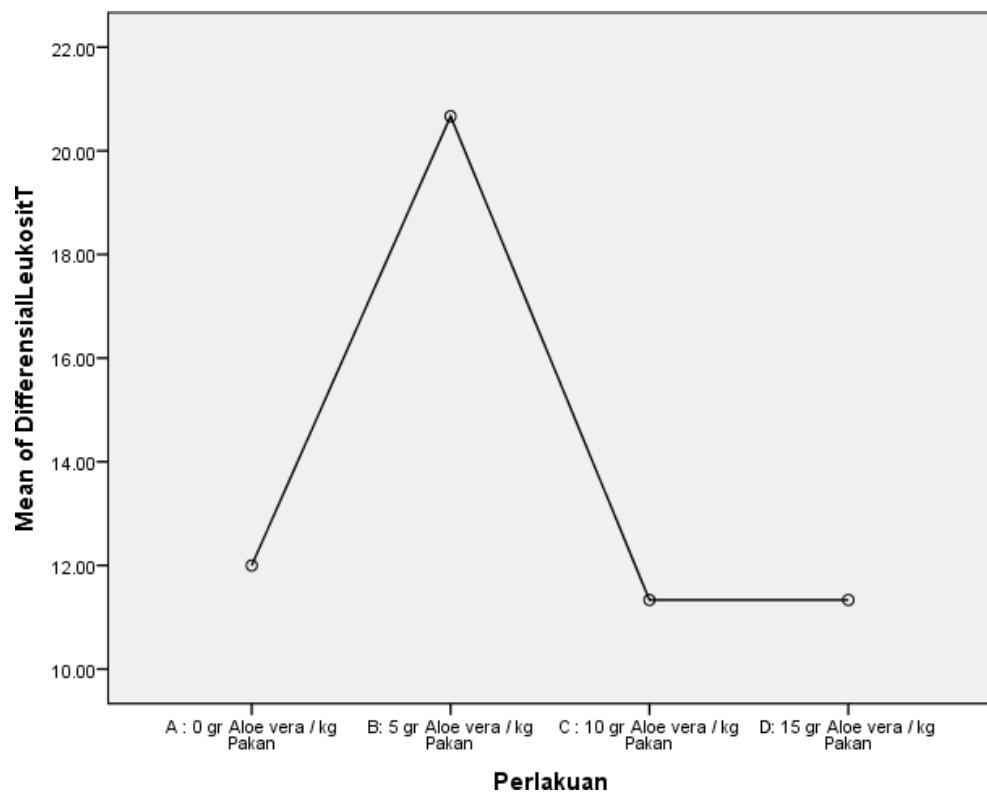
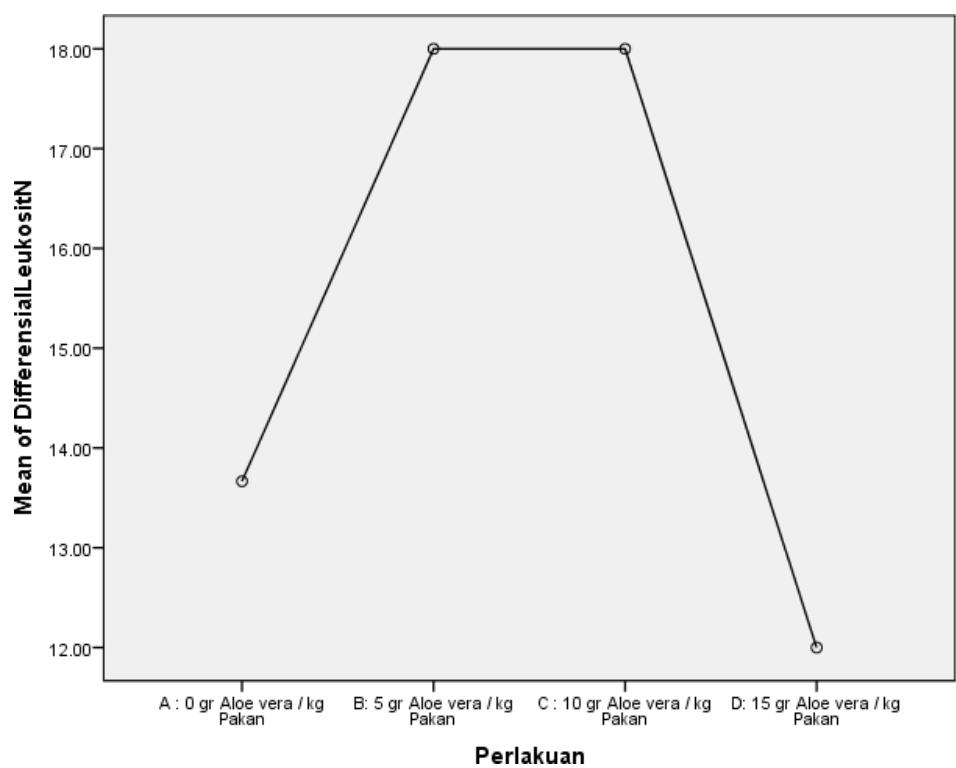
Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.









Lampiran 3. Hasil anova intensitas Monogenea dan *Trichodina* sp. pada ikan nila

| ANOVA                  |                |                |    |             |       |      |
|------------------------|----------------|----------------|----|-------------|-------|------|
|                        |                | Sum of Squares | df | Mean Square | F     | Sig. |
| IntensitasMonogenea    | Between Groups | 205.525        | 3  | 68.508      | 9.272 | .006 |
|                        | Within Groups  | 59.111         | 8  | 7.389       |       |      |
|                        | Total          | 264.636        | 11 |             |       |      |
| IntensitasTrichodinasp | Between Groups | 512.467        | 3  | 170.822     | 8.756 | .007 |
|                        | Within Groups  | 156.080        | 8  | 19.510      |       |      |
|                        | Total          | 668.547        | 11 |             |       |      |

Lampiran 4. Uji lanjut w-tuckey penambahan dosis ekstrak *aloe vera* berbeda terhadap intensitas Monogenea dan *Trichodina* sp. pada ikan nila

**Multiple Comparisons**

Tukey HSD

| Dependent Variable     | (I) Perlakuan                       | (J) Perlakuan                       | Mean Difference (I-J)               | Std. Error  | Sig.     | 95% Confidence Interval |             |
|------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------|----------|-------------------------|-------------|
|                        |                                     |                                     |                                     |             |          | Lower Bound             | Upper Bound |
| IntensitasMonogenea    | A : 0 gr/kg pakan Ekstrak Aloe vera | B: 5 gr/kg pakan Ekstrak Aloe vera  | 9.111333*                           | 2.219443    | .014     | 2.00390                 | 16.21877    |
|                        |                                     | C: 10 gr/kg pakan Ekstrak Aloe vera | 10.778000*                          | 2.219443    | .006     | 3.67056                 | 17.88544    |
|                        |                                     | D: 15 gr/kg pakan Ekstrak Aloe vera | 7.888667*                           | 2.219443    | .031     | .78123                  | 14.99610    |
|                        | B: 5 gr/kg pakan Ekstrak Aloe vera  | A : 0 gr/kg pakan Ekstrak Aloe vera | -9.111333*                          | 2.219443    | .014     | -16.21877               | -2.00390    |
|                        |                                     | C: 10 gr/kg pakan Ekstrak Aloe vera | 1.666667                            | 2.219443    | .874     | -5.44077                | 8.77410     |
|                        |                                     | D: 15 gr/kg pakan Ekstrak Aloe vera | -1.222667                           | 2.219443    | .944     | -8.33010                | 5.88477     |
|                        | C: 10 gr/kg pakan Ekstrak Aloe vera | A : 0 gr/kg pakan Ekstrak Aloe vera | -10.778000*                         | 2.219443    | .006     | -17.88544               | -3.67056    |
|                        |                                     | B: 5 gr/kg pakan Ekstrak Aloe vera  | -1.666667                           | 2.219443    | .874     | -8.77410                | 5.44077     |
|                        |                                     | D: 15 gr/kg pakan Ekstrak Aloe vera | -2.889333                           | 2.219443    | .587     | -9.99677                | 4.21810     |
|                        | D: 15 gr/kg pakan Ekstrak Aloe vera | A : 0 gr/kg pakan Ekstrak Aloe vera | -7.888667*                          | 2.219443    | .031     | -14.99610               | -.78123     |
|                        |                                     | B: 5 gr/kg pakan Ekstrak Aloe vera  | 1.222667                            | 2.219443    | .944     | -5.88477                | 8.33010     |
|                        |                                     | C: 10 gr/kg pakan Ekstrak Aloe vera | 2.889333                            | 2.219443    | .587     | -4.21810                | 9.99677     |
| IntensitasTrichodinasp | A : 0 gr/kg pakan Ekstrak Aloe vera | B: 5 gr/kg pakan Ekstrak Aloe vera  | 5.000000                            | 3.606480    | .540     | -6.54922                | 16.54922    |
|                        |                                     | C: 10 gr/kg pakan Ekstrak Aloe vera | 13.333333*                          | 3.606480    | .025     | 1.78412                 | 24.88255    |
|                        |                                     | D: 15 gr/kg pakan Ekstrak Aloe vera | 16.444333*                          | 3.606480    | .008     | 4.89512                 | 27.99355    |
|                        |                                     | B: 5 gr/kg pakan Ekstrak Aloe vera  | -5.000000                           | 3.606480    | .540     | -16.54922               | 6.54922     |
|                        | B: 5 gr/kg pakan Ekstrak Aloe vera  | C: 10 gr/kg pakan Ekstrak Aloe vera | 8.333333                            | 3.606480    | .175     | -3.21588                | 19.88255    |
|                        |                                     | D: 15 gr/kg pakan Ekstrak Aloe vera | 11.444333                           | 3.606480    | .052     | -.10488                 | 22.99355    |
|                        |                                     | C: 10 gr/kg pakan Ekstrak Aloe vera | A : 0 gr/kg pakan Ekstrak Aloe vera | -13.333333* | 3.606480 | .025                    | -24.88255   |
|                        | C: 10 gr/kg pakan Ekstrak Aloe vera | B: 5 gr/kg pakan Ekstrak Aloe vera  | -8.333333                           | 3.606480    | .175     | -19.88255               | 3.21588     |
|                        |                                     | D: 15 gr/kg pakan Ekstrak Aloe vera | 3.111000                            | 3.606480    | .824     | -8.43822                | 14.66022    |
|                        |                                     | D: 15 gr/kg pakan Ekstrak Aloe vera | A : 0 gr/kg pakan Ekstrak Aloe vera | -16.444333* | 3.606480 | .008                    | -27.99355   |
|                        | D: 15 gr/kg pakan Ekstrak Aloe vera | B: 5 gr/kg pakan Ekstrak Aloe vera  | -11.444333                          | 3.606480    | .052     | -22.99355               | .10488      |
|                        |                                     | C: 10 gr/kg pakan Ekstrak Aloe vera | -3.111000                           | 3.606480    | .824     | -14.66022               | 8.43822     |

### IntensitasMonogenea

Tukey HSD<sup>a</sup>

| Perlakuan                              | N | Subset for alpha = 0.05 |          |
|--|---|-------------------------|----------|
|  |   | 1                       | 2        |
| C: 10 gr/kg pakan Ekstrak<br>Aloe vera | 3 | 17.22200                |          |
| B: 5 gr/kg pakan Ekstrak<br>Aloe vera  | 3 | 18.88867                |          |
| D: 15 gr/kg pakan Ekstrak<br>Aloe vera | 3 | 20.11133                |          |
| A : 0 gr/kg pakan Ekstrak<br>Aloe vera | 3 |                         | 28.00000 |
| Sig.                                   |   | .587                    | 1.000    |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

### IntensitasTrichodinasp

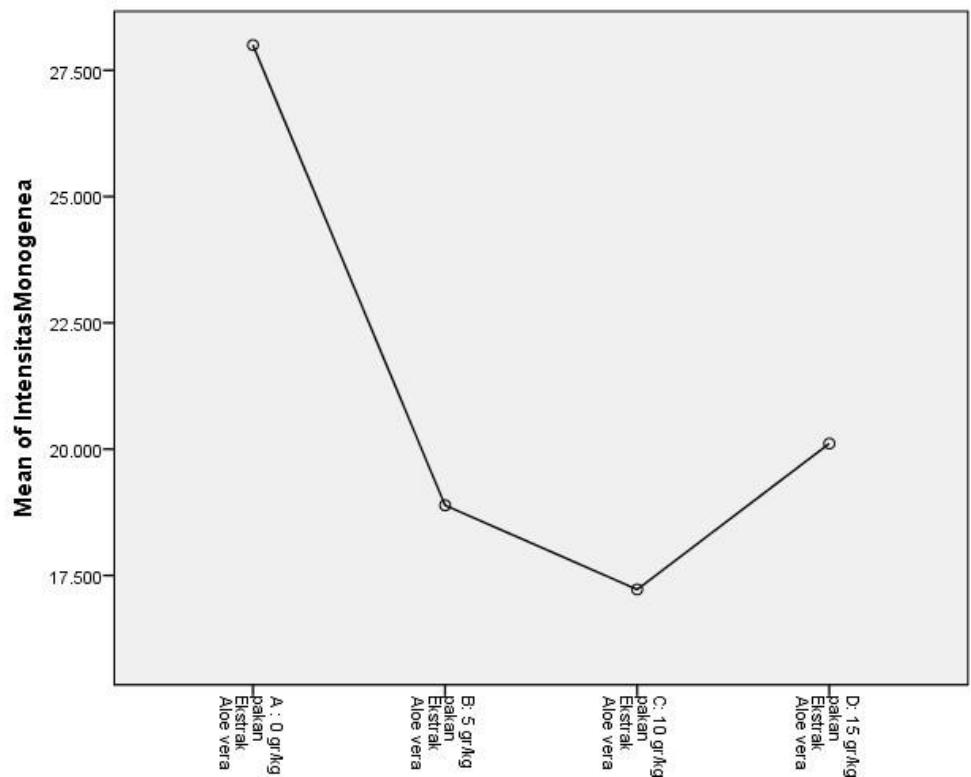
Tukey HSD<sup>a</sup>

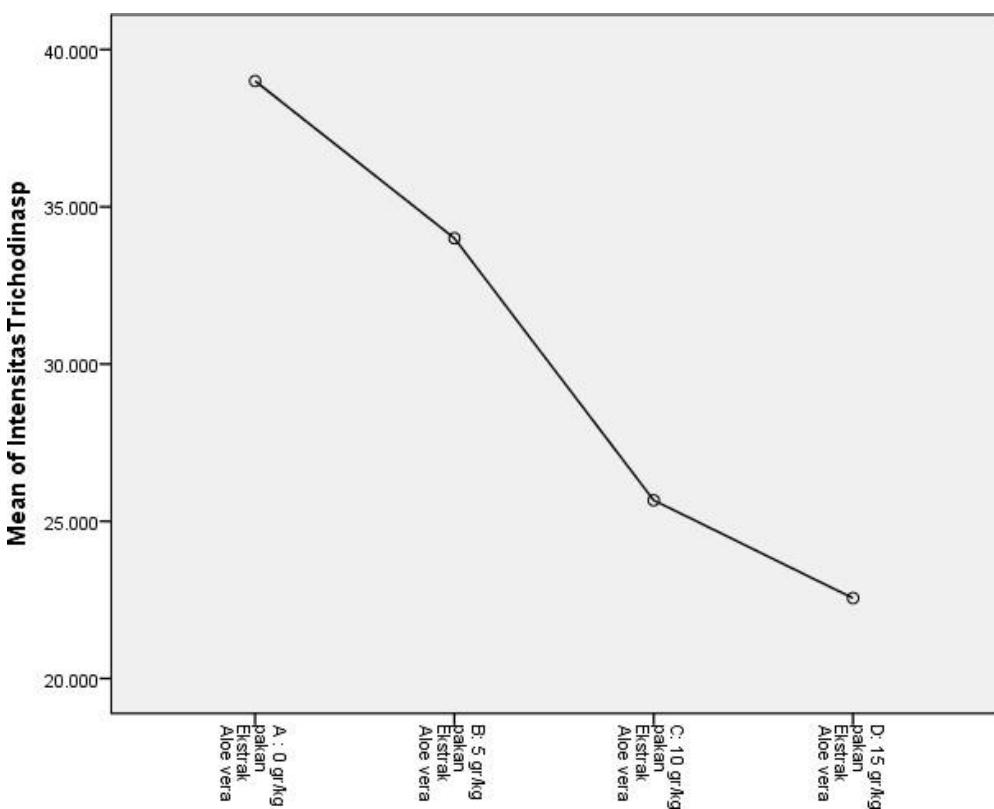
| Perlakuan                              | N | Subset for alpha = 0.05 |          |
|--|---|-------------------------|----------|
|  |   | 1                       | 2        |
| D: 15 gr/kg pakan Ekstrak<br>Aloe vera | 3 | 22.55567                |          |
| C: 10 gr/kg pakan Ekstrak<br>Aloe vera | 3 | 25.66667                |          |
| B: 5 gr/kg pakan Ekstrak<br>Aloe vera  | 3 | 34.00000                | 34.00000 |
| A : 0 gr/kg pakan Ekstrak<br>Aloe vera | 3 |                         | 39.00000 |
| Sig.                                   |   | .052                    | .540     |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

### Means Plots





Lampiran 5. Hasil anova survival rate dan laju pertumbuhan pada ikan nila

| ANOVA                  |                |                |    |             |       |      |
|------------------------|----------------|----------------|----|-------------|-------|------|
|                        |                | Sum of Squares | df | Mean Square | F     | Sig. |
| SurvivalRate           | Between Groups | 625.000        | 3  | 208.333     | 1.389 | .315 |
|                        | Within Groups  | 1200.000       | 8  | 150.000     |       |      |
|                        | Total          | 1825.000       | 11 |             |       |      |
| LajuPertumbuhanBobot   | Between Groups | .879           | 3  | .293        | 1.081 | .410 |
|                        | Within Groups  | 2.167          | 8  | .271        |       |      |
|                        | Total          | 3.045          | 11 |             |       |      |
| LajuPertumbuhanPanjang | Between Groups | 1.894          | 3  | .631        | 4.336 | .043 |
|                        | Within Groups  | 1.165          | 8  | .146        |       |      |
|                        | Total          | 3.059          | 11 |             |       |      |

Lampiran 6. Uji lanjut w-tuckey penambahan dosis ekstrak *Aloe vera* berbeda terhadap sintasan dan pertumbuhan pada ikan nila (*O. niloticus*)

### Multiple Comparisons

Tukey HSD

| Dependen t Variable | (I) Perlakuan                  |                               | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig.       | 95% Confidence Interval |             |
|---------------------|--------------------------------|-------------------------------|---------------|-----------------------|------------|------------|-------------------------|-------------|
|                     |                                |                               |               |                       |            |            | Lower Bound             | Upper Bound |
| Survival Rate       | A : 0 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan  | -             | 10.000000             | .398       | -48.690187 | 15.356853               |             |
|                     |                                |                               | 16.666666     | 0                     |            |            |                         |             |
|                     |                                |                               | 67            |                       |            |            |                         |             |
|                     | C : 10 gr Aloe vera / kg Pakan | D: 15 gr Aloe vera / kg Pakan | -             | 10.000000             | .398       | -48.690187 | 15.356853               |             |
|                     |                                |                               | 16.666666     | 0                     |            |            |                         |             |
|                     |                                |                               | 67            |                       |            |            |                         |             |
|                     | B: 5 gr Aloe vera / kg Pakan   | A : 0 gr Aloe vera / kg Pakan | 16.666666     | 10.000000             | .398       | -15.356853 | 48.690187               |             |
|                     |                                |                               | 67            | 0                     |            |            |                         |             |
|                     |                                |                               |               |                       |            |            |                         |             |
|                     | C : 10 gr Aloe vera / kg Pakan | D: 15 gr Aloe vera / kg Pakan | .00000000     | 10.000000             | 1.000      | -32.023520 | 32.023520               |             |
|                     |                                |                               |               | 0                     |            |            |                         |             |
|                     |                                |                               |               |                       |            |            |                         |             |
|                     | C : 10 gr Aloe vera / kg Pakan | A : 0 gr Aloe vera / kg Pakan | 16.666666     | 10.000000             | .398       | -15.356853 | 48.690187               |             |
|                     |                                |                               | 67            | 0                     |            |            |                         |             |
|                     |                                |                               |               |                       |            |            |                         |             |
|                     | D: 15 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan  | .00000000     | 10.000000             | 1.000      | -32.023520 | 32.023520               |             |
|                     |                                |                               |               | 0                     |            |            |                         |             |
|                     |                                |                               |               |                       |            |            |                         |             |
|                     | D: 15 gr Aloe vera / kg Pakan  | A : 0 gr Aloe vera / kg Pakan | .00000000     | 10.000000             | 1.000      | -32.023520 | 32.023520               |             |
|                     |                                |                               |               | 0                     |            |            |                         |             |
|                     |                                |                               |               |                       |            |            |                         |             |

|                      |                                |                               |                   |                   |            |           |
|----------------------|--------------------------------|-------------------------------|-------------------|-------------------|------------|-----------|
|                      | B: 5 gr Aloe vera / kg Pakan   | .0000000                      | 10.000000<br>0    | 1.000             | -32.023520 | 32.023520 |
|                      | C : 10 gr Aloe vera / kg Pakan | .0000000                      | 10.000000<br>0    | 1.000             | -32.023520 | 32.023520 |
| Laju Pertumbuhan Bot | A : 0 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan  | - .0663333        | .4249292<br>.999  | -1.427106  | 1.294440  |
|                      | C : 10 gr Aloe vera / kg Pakan | - .0333333                    | .4249292<br>1.000 | -1.394106         | 1.327440   |           |
|                      | D: 15 gr Aloe vera / kg Pakan  | .5893333                      | .4249292<br>.540  | -.771440          | 1.950106   |           |
|                      | B: 5 gr Aloe vera / kg Pakan   | A : 0 gr Aloe vera / kg Pakan | .0663333          | .4249292<br>.999  | -1.294440  | 1.427106  |
|                      | C : 10 gr Aloe vera / kg Pakan | .0330000                      | .4249292<br>1.000 | -1.327773         | 1.393773   |           |
|                      | D: 15 gr Aloe vera / kg Pakan  | .6556667                      | .4249292<br>.458  | -.705106          | 2.016440   |           |
|                      | C : 10 gr Aloe vera / kg Pakan | A : 0 gr Aloe vera / kg Pakan | .0333333          | .4249292<br>1.000 | -1.327440  | 1.394106  |
|                      | B: 5 gr Aloe vera / kg Pakan   | - .0330000                    | .4249292<br>1.000 | -1.393773         | 1.327773   |           |
|                      | D: 15 gr Aloe vera / kg Pakan  | .6226667                      | .4249292<br>.498  | -.738106          | 1.983440   |           |
|                      | D: 15 gr Aloe vera / kg Pakan  | A : 0 gr Aloe vera / kg Pakan | - .5893333        | .4249292<br>.540  | -1.950106  | .771440   |
|                      | B: 5 gr Aloe vera / kg Pakan   | - .6556667                    | .4249292<br>.458  | -2.016440         | .705106    |           |
|                      | C : 10 gr Aloe vera / kg Pakan | - .6226667                    | .4249292<br>.498  | -1.983440         | .738106    |           |

|                  |                                |                               |               |          |           |           |          |
|------------------|--------------------------------|-------------------------------|---------------|----------|-----------|-----------|----------|
| Laju Pertumbuhan | A : 0 gr Aloe vera / kg Pakan  | B: 5 gr Aloe vera / kg Pakan  | - 1.056000 0* | .3115612 | .038      | -2.053729 | -.058271 |
|                  | C : 10 gr Aloe vera / kg Pakan | - .8560000                    | .3115612      | .095     | -1.853729 | .141729   |          |
|                  | D: 15 gr Aloe vera / kg Pakan  | - .6893333                    | .3115612      | .199     | -1.687062 | .308395   |          |
|                  | B: 5 gr Aloe vera / kg Pakan   | A : 0 gr Aloe vera / kg Pakan | 1.056000 0*   | .3115612 | .038      | .058271   | 2.053729 |
|                  | C : 10 gr Aloe vera / kg Pakan | .2000000                      | .3115612      | .915     | - .797729 | 1.197729  |          |
|                  | D: 15 gr Aloe vera / kg Pakan  | .3666667                      | .3115612      | .657     | - .631062 | 1.364395  |          |
|                  | C : 10 gr Aloe vera / kg Pakan | A : 0 gr Aloe vera / kg Pakan | .8560000      | .3115612 | .095      | - .141729 | 1.853729 |
|                  | B: 5 gr Aloe vera / kg Pakan   | - .2000000                    | .3115612      | .915     | -1.197729 | .797729   |          |
|                  | D: 15 gr Aloe vera / kg Pakan  | .1666667                      | .3115612      | .948     | - .831062 | 1.164395  |          |
|                  | D: 15 gr Aloe vera / kg Pakan  | A : 0 gr Aloe vera / kg Pakan | .6893333      | .3115612 | .199      | - .308395 | 1.687062 |
|                  | B: 5 gr Aloe vera / kg Pakan   | - .3666667                    | .3115612      | .657     | -1.364395 | .631062   |          |
|                  | C : 10 gr Aloe vera / kg Pakan | - .1666667                    | .3115612      | .948     | -1.164395 | .831062   |          |

\*. The mean difference is significant at the 0.05 level.

### Survival Rate

Tukey HSD<sup>a</sup>

| Perlakuan                      | N | Subset for alpha = 0.05 |  |
|--------------------------------|---|-------------------------|--|
|                                |   | 1                       |  |
| A : 0 gr Aloe vera / kg Pakan  | 3 | 70.000000               |  |
| B: 5 gr Aloe vera / kg Pakan   | 3 | 86.666667               |  |
| C : 10 gr Aloe vera / kg Pakan | 3 | 86.666667               |  |
| D: 15 gr Aloe vera / kg Pakan  | 3 | 86.666667               |  |
| Sig.                           |   | .398                    |  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

### Laju Pertumbuhan Bobot

Tukey HSD<sup>a</sup>

| Perlakuan                      | N | Subset for alpha = 0.05 |  |
|--------------------------------|---|-------------------------|--|
|                                |   | 1                       |  |
| D: 15 gr Aloe vera / kg Pakan  | 3 | 3.199667                |  |
| A : 0 gr Aloe vera / kg Pakan  | 3 | 3.789000                |  |
| C : 10 gr Aloe vera / kg Pakan | 3 | 3.82                    |  |
| B: 5 gr Aloe vera / kg Pakan   | 3 | 3.855333                |  |
| Sig.                           |   | .458                    |  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

