

LAMPIRAN

DIAMETER

Tests of Normality

| kelompok | | Kolmogorov-Smirnov(a) | | | Shapiro-Wilk | | |
|----------|--------------------|-----------------------|----|---------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| Diameter | Control | .179 | 6 | .200(*) | .960 | 6 | .816 |
| | <i>Spray 5</i> | .231 | 7 | .200(*) | .928 | 7 | .532 |
| | <i>One push 5</i> | .368 | 6 | .011 | .783 | 6 | .041 |
| | <i>Spray 10</i> | .236 | 6 | .200(*) | .947 | 6 | .718 |
| | <i>One push 10</i> | .306 | 6 | .084 | .835 | 6 | .119 |

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

ANOVA

diameter

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|---------------------|----|-------------------|------|------|
| Between Groups | 188539843 5.286 | 4 | 471349608.82 1 | .574 | .684 |
| Within Groups | 213644806 68.714 | 26 | 821710794.95 1 | | |
| Total | 232498791 04.000 | 30 | | | |

POST HOC TUCKEY

Multiple Comparisons

Dependent Variable: diameter
Tukey HSD

| (I) kelompok | (J) kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|--------------------|--------------------|-----------------------|-----------------|-------------|-------------------------|-------------|
| | | Lower Bound | Upper Bound | Lower Bound | Upper Bound | Lower Bound |
| Kontrol | <i>Spray 5</i> | 10970.2381 0 | 15948.011 02 | .957 | -35732.7302 | 57673.2064 |
| | <i>One push 5</i> | 7263.00000 | 16550.033 18 | .992 | -41202.9607 | 55728.9607 |
| | <i>Spray 10</i> | 11230.1666 7 | 16550.033 18 | .959 | -37235.7940 | 59696.1274 |
| | <i>One push 10</i> | -9376.50000 | 16550.033 18 | .979 | -57842.4607 | 39089.4607 |
| <i>Spray 5</i> | Kontrol | - 10970.2381 0 | 15948.011 02 | .957 | -57673.2064 | 35732.7302 |
| | <i>One push 5</i> | -3707.23810 | 15948.011 02 | .999 | -50410.2064 | 42995.7302 |
| | <i>Spray 10</i> | 259.92857 | 15948.011 02 | 1.000 | -46443.0397 | 46962.8969 |
| | <i>One push 10</i> | - 20346.7381 0 | 15948.011 02 | .708 | -67049.7064 | 26356.2302 |
| <i>One push 5</i> | Kontrol | -7263.00000 | 16550.033 18 | .992 | -55728.9607 | 41202.9607 |
| | <i>Spray 5</i> | 3707.23810 | 15948.011 02 | .999 | -42995.7302 | 50410.2064 |
| | <i>Spray 10</i> | 3967.16667 | 16550.033 18 | .999 | -44498.7940 | 52433.1274 |
| | <i>One push 10</i> | - 16639.5000 0 | 16550.033 18 | .851 | -65105.4607 | 31826.4607 |
| <i>Spray 10</i> | Kontrol | - 11230.1666 7 | 16550.033 18 | .959 | -59696.1274 | 37235.7940 |
| | <i>Spray 5</i> | -259.92857 | 15948.011 02 | 1.000 | -46962.8969 | 46443.0397 |
| | <i>One push 5</i> | -3967.16667 | 16550.033 18 | .999 | -52433.1274 | 44498.7940 |
| | <i>One push 10</i> | - 20606.6666 7 | 16550.033 18 | .726 | -69072.6274 | 27859.2940 |
| <i>One push 10</i> | Kontrol | 9376.50000 | 16550.033 18 | .979 | -39089.4607 | 57842.4607 |
| | <i>Spray 5</i> | 20346.7381 0 | 15948.011 02 | .708 | -26356.2302 | 67049.7064 |
| | <i>One push 5</i> | 16639.5000 0 | 16550.033 18 | .851 | -31826.4607 | 65105.4607 |
| | <i>Spray 10</i> | 20606.6666 7 | 16550.033 18 | .726 | -27859.2940 | 69072.6274 |

diameter

Duncan

| kelompok | N | Subset for alpha = .05 |
|----------|---|------------------------------|
| | 1 | 1 |
| 4 | 6 | 323561.50 00 |
| 2 | 7 | 323821.42 86 |
| 3 | 6 | 327528.66 67 |
| 1 | 6 | 334791.66 67 |
| 5 | 6 | 344168.16 67 |
| Sig. | | .269 |

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.176.

b The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

KETEBALAN EPITEL

Tests of Normality

| kelompok | Kolmogorov-Smirnov(a) | | | Shapiro-Wilk | | | |
|-----------------|-----------------------|------|------|--------------|------|------|------|
| | Statistic | Df | Sig. | Statistic | df | Sig. | |
| Ketebalanepitel | Kontrol | .249 | 6 | .200(*) | .939 | 6 | .652 |
| | <i>Spray 5</i> | .165 | 7 | .200(*) | .963 | 7 | .844 |
| | <i>One push 5</i> | .269 | 6 | .199 | .811 | 6 | .073 |
| | <i>Spray 10</i> | .175 | 6 | .200(*) | .922 | 6 | .521 |
| | <i>One push 10</i> | .194 | 6 | .200(*) | .972 | 6 | .903 |

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

ANOVA

Ketebalanepitel

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|-------------------|----|-------------|-------|------|
| Between Groups | 285.631 | 4 | 71.408 | 4.375 | .008 |
| Within Groups | 424.400 | 26 | 16.323 | | |
| Total | 710.031 | 30 | | | |

Multiple Comparisons

Dependent Variable: Ketebalanepitel
Tukey HSD

| (I) kelompok | (J) kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | | | |
|--------------------|--------------------|-----------------------|------------|-------|-------------------------|-------------|-------------|-------------|
| | | | | | Lower Bound | Upper Bound | Lower Bound | Upper Bound |
| Kontrol | <i>Spray 5</i> | 4.30619 | 2.24775 | .334 | -2.2762 | 10.8886 | | |
| | <i>One push 5</i> | 2.84667 | 2.33260 | .740 | -3.9842 | 9.6776 | | |
| | <i>Spray 10</i> | 8.23500(*) | 2.33260 | .012 | 1.4041 | 15.0659 | | |
| | <i>One push 10</i> | 7.77167(*) | 2.33260 | .020 | .9408 | 14.6026 | | |
| <i>Spray 5</i> | Kontrol | -4.30619 | 2.24775 | .334 | -10.8886 | 2.2762 | | |
| | <i>One push 5</i> | -1.45952 | 2.24775 | .965 | -8.0419 | 5.1229 | | |
| | <i>Spray 10</i> | 3.92881 | 2.24775 | .424 | -2.6536 | 10.5112 | | |
| | <i>One push 10</i> | 3.46548 | 2.24775 | .546 | -3.1169 | 10.0479 | | |
| <i>One push 5</i> | Kontrol | -2.84667 | 2.33260 | .740 | -9.6776 | 3.9842 | | |
| | <i>Spray 5</i> | 1.45952 | 2.24775 | .965 | -5.1229 | 8.0419 | | |
| | <i>Spray 10</i> | 5.38833 | 2.33260 | .174 | -1.4426 | 12.2192 | | |
| | <i>One push 10</i> | 4.92500 | 2.33260 | .246 | -1.9059 | 11.7559 | | |
| <i>Spray 10</i> | Kontrol | -8.23500(*) | 2.33260 | .012 | -15.0659 | -1.4041 | | |
| | <i>Spray 5</i> | -3.92881 | 2.24775 | .424 | -10.5112 | 2.6536 | | |
| | <i>One push 5</i> | -5.38833 | 2.33260 | .174 | -12.2192 | 1.4426 | | |
| | <i>One push 10</i> | -.46333 | 2.33260 | 1.000 | -7.2942 | 6.3676 | | |
| <i>One push 10</i> | Kontrol | -7.77167(*) | 2.33260 | .020 | -14.6026 | -.9408 | | |
| | <i>Spray 5</i> | -3.46548 | 2.24775 | .546 | -10.0479 | 3.1169 | | |
| | <i>One push 5</i> | -4.92500 | 2.33260 | .246 | -11.7559 | 1.9059 | | |
| | <i>Spray 10</i> | .46333 | 2.33260 | 1.000 | -6.3676 | 7.2942 | | |

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

ketebalan

Duncan

| kelompok | N | Subset for alpha = .05 | | | |
|----------|---|------------------------|--------|--------|---------|
| | | 1 | 2 | 3 | 1 |
| 4 | 6 | | 3.0683 | | |
| 5 | 6 | | 3.5317 | 3.5317 | |
| 2 | 7 | | 6.9971 | 6.9971 | 6.9971 |
| 3 | 6 | | | 8.4567 | 8.4567 |
| 1 | 6 | | | | 11.3033 |
| Sig. | | | .117 | .052 | .087 |

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.176.

b The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Prosentase Kerusakan

Descriptive Statistics

| | N | Minimum | Maximum | Mean | Std. Deviation |
|---------------------|---|---------|---------|---------|----------------|
| Prosentasekerusakan | 6 | 5.40 | 43.00 | 26.0333 | 16.81781 |
| Valid N (listwise) | 6 | | | | |

Tests of Normality

| kelompok | | Kolmogorov-Smirnov(a) | | | Shapiro-Wilk | | |
|---------------------|--------------------|-----------------------|----|---------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| Prosentasekerusakan | kontrol | .262 | 6 | .200(*) | .857 | 6 | .177 |
| | <i>Spray 5</i> | .170 | 7 | .200(*) | .930 | 7 | .548 |
| | <i>One push 5</i> | .177 | 6 | .200(*) | .954 | 6 | .773 |
| | <i>Spray 10</i> | .301 | 6 | .096 | .818 | 6 | .084 |
| | <i>One push 10</i> | .232 | 6 | .200(*) | .891 | 6 | .324 |

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Anova

ANOVA

prosentasekerusakan

| | Sum of Squares | df | Mean Square | F | Sig. |
|----------------|----------------|----|-------------|-------|------|
| Between Groups | 10937.934 | 4 | 2734.484 | 9.900 | .000 |
| Within Groups | 7181.193 | 26 | 276.200 | | |
| Total | 18119.128 | 30 | | | |

Multiple Comparisons

Dependent Variable: prosentasekerusakan
Tukey HSD

| (I) kelompok | (J) kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|--------------------|--------------------|-----------------------|-------------|-------------|-------------------------|-------------|
| | | Lower Bound | Upper Bound | Lower Bound | Upper Bound | Lower Bound |
| Kontrol | <i>Spray5</i> | -15.96667 | 9.24610 | .436 | -43.0434 | 11.1101 |
| | <i>One push 5</i> | -8.46667 | 9.59513 | .901 | -36.5655 | 19.6322 |
| | <i>Spray 10</i> | -54.96667(*) | 9.59513 | .000 | -83.0655 | -26.8678 |
| | <i>One push 10</i> | -27.46667 | 9.59513 | .058 | -55.5655 | .6322 |
| <i>Spray 5</i> | Kontrol | 15.96667 | 9.24610 | .436 | -11.1101 | 43.0434 |
| | <i>One push 5</i> | 7.50000 | 9.24610 | .925 | -19.5768 | 34.5768 |
| | <i>Spray 10</i> | -39.00000(*) | 9.24610 | .002 | -66.0768 | -11.9232 |
| | <i>One push 10</i> | -11.50000 | 9.24610 | .726 | -38.5768 | 15.5768 |
| <i>One push 5</i> | Kontrol | 8.46667 | 9.59513 | .901 | -19.6322 | 36.5655 |
| | <i>Spray5</i> | -7.50000 | 9.24610 | .925 | -34.5768 | 19.5768 |
| | <i>Spray10</i> | -46.50000(*) | 9.59513 | .000 | -74.5989 | -18.4011 |
| | <i>OnePush10</i> | -19.00000 | 9.59513 | .303 | -47.0989 | 9.0989 |
| <i>Spray10</i> | Kontrol | 54.96667(*) | 9.59513 | .000 | 26.8678 | 83.0655 |
| | <i>Spray5</i> | 39.00000(*) | 9.24610 | .002 | 11.9232 | 66.0768 |
| | <i>OnePush5</i> | 46.50000(*) | 9.59513 | .000 | 18.4011 | 74.5989 |
| | <i>OnePush 10</i> | 27.50000 | 9.59513 | .057 | -.5989 | 55.5989 |
| <i>One push 10</i> | Kontrol | 27.46667 | 9.59513 | .058 | -.6322 | 55.5655 |
| | <i>Spray5</i> | 11.50000 | 9.24610 | .726 | -15.5768 | 38.5768 |
| | <i>One push 5</i> | 19.00000 | 9.59513 | .303 | -9.0989 | 47.0989 |
| | <i>Spray10</i> | -27.50000 | 9.59513 | .057 | -55.5989 | .5989 |

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

prosentasekerusakan

Duncan

| kelompok | N | Subset for alpha = .05 | | |
|----------|---|------------------------|---------|---------|
| | 1 | 2 | 3 | 1 |
| 1 | 6 | 26.0333 | | |
| 3 | 6 | 34.5000 | 34.5000 | |
| 2 | 7 | 42.0000 | 42.0000 | |
| 5 | 6 | | 53.5000 | |
| 4 | 6 | | | 81.0000 |
| Sig. | | .122 | .067 | 1.000 |

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.176.

b The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

ETIK PENELITIAN



Fakultas Kedokteran dan Ilmu Kesehatan
Universitas Muhammadiyah Yogyakarta

Nomor : 673/EP-FKIK-UMY/XII/2017

KETERANGAN LOLOS UJI ETIK ETHICAL APPROVAL

Komite Etik Penelitian Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Yogyakarta dalam upaya melindungi hak asasi dan kesejahteraan responden/subyek penelitian, telah mengkaji dengan teliti protokol berjudul :

The Ethics Committee of the Faculty of Medicine and Health Sciences, University of Muhammadiyah Yogyakarta, with regards of the protection of human rights and welfare in research, has carefully reviewed the research protocol entitled :

“Perbandingan Gambaran Histologi Trakhea *Rattus norvegicus* Yang Diinhalasi Obat Nyamuk Spray Dan *One Push*”

Peneliti Utama : Yuningtyaswari
Principal Investigator : Irving Burham Sulistya

Nama Institusi : Program Studi Kedokteran FKIK UMY
Name of the Institution

Negara : Indonesia
Country

Dan telah menyetujui protokol tersebut diatas.
And approved the above-mentioned protocol.

Yogyakarta, 30 Desember 2017

Ketua
Chairman

Dr. dr. Titiek Hidayati, M.Kes.

***Peneliti Berkewajiban :**

1. Menjaga kerahasiaan identitas subyek penelitian
2. Memberitahukan status penelitian apabila :
 - a. Setelah masa berlakunya keterangan lolos uji etik, penelitian masih belum selesai, dalam hal ini *ethical clearance* harus diperpanjang
 - b. Penelitian berhenti di tengah jalan
3. Melaporkan kejadian serius yang tidak diinginkan (*serious adverse events*)
4. Peneliti tidak boleh melakukan tindakan apapun pada responden/subyek sebelum penelitian lolos uji etik

Kampus:

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Muda mendunia