

## LAMPIRAN



**UNIVERSITAS GADJAH MADA**  
**Pusat Studi Pangan dan Gizi**  
 Jln. Teknika Utara, Berek, YOGYAKARTA 55281  
 Telp. 0274 589242. 6492282 Web : [www.efns.ugm.ac.id](http://www.efns.ugm.ac.id)  
 Email : [efns@ugm.ac.id](mailto:efns@ugm.ac.id)

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**HASIL PENGUKURAN KADAR IL-6 (Pg/ml)**

| Kelompok Perlakuan | IL-6 (Pg/ml) |
|--------------------|--------------|
| K.1                | 234,19       |
| K.2                | 235,90       |
| K.3                | 233,64       |
| K.4                | 240,65       |
| K.5                | 241,55       |
| K.6                | 237,19       |
| KDM.1              | 627,58       |
| KDM.2              | 630,44       |
| KDM.3              | 640,02       |
| KDM.4              | 629,75       |
| KDM.5              | 632,87       |
| KDM.6              | 630,89       |
| Gliben.1           | 576,89       |
| Gliben.2           | 580,92       |
| Gliben.3           | 590,88       |
| Gliben.4           | 577,00       |
| Gliben.5           | 597,43       |
| Gliben.6           | 601,20       |
| P.1                | 599,87       |
| P.2                | 609,72       |
| P.3                | 610,93       |
| P.4                | 597,83       |
| P.5                | 612,11       |
| P.6                | 604,30       |

Yogyakarta, 20 Februari 2019

Mengetahui :

Sekretaris/Bagian Administrasi



Kepala/Teknisi Lab Gizi



**Lampiran 1. Hasil analisis statistik deskriptif, normalitas data dan homogenitas varian kadar IL-6**

**Kelompok****Case Processing Summary**

|      | kelompok   | Cases |         |         |         |       |         |
|------|------------|-------|---------|---------|---------|-------|---------|
|      |            | Valid |         | Missing |         | Total |         |
|      |            | N     | Percent | N       | Percent | N     | Percent |
| IL-6 | K. normal  | 6     | 100.0%  | 0       | 0.0%    | 6     | 100.0%  |
|      | K. negatif | 6     | 100.0%  | 0       | 0.0%    | 6     | 100.0%  |
|      | perlakuan  | 6     | 100.0%  | 0       | 0.0%    | 6     | 100.0%  |
|      | K. positif | 6     | 100.0%  | 0       | 0.0%    | 6     | 100.0%  |

**Descriptives**

|      | kelompok   |                                  | Statistic                                          | Std. Error |
|------|------------|----------------------------------|----------------------------------------------------|------------|
| IL-6 | K. normal  | Mean                             | 237.1867                                           | 1.34471    |
|      |            | 95% Confidence Interval for Mean | Lower Bound<br>233.7300<br>Upper Bound<br>240.6434 |            |
|      |            | 5% Trimmed Mean                  | 237.1413                                           |            |
|      |            | Median                           | 236.5450                                           |            |
|      |            | Variance                         | 10.850                                             |            |
|      |            | Std. Deviation                   | 3.29387                                            |            |
|      |            | Minimum                          | 233.64                                             |            |
|      |            | Maximum                          | 241.55                                             |            |
|      |            | Range                            | 7.91                                               |            |
|      |            | Interquartile Range              | 6.82                                               |            |
|      |            | Skewness                         | .428                                               | .845       |
|      |            | Kurtosis                         | -1.802                                             | 1.741      |
|      | K. negatif | Mean                             | 631.9250                                           | 1.76360    |
|      |            | 95% Confidence Interval for Mean | Lower Bound<br>627.3915<br>Upper Bound<br>636.4585 |            |
|      |            | 5% Trimmed Mean                  | 631.7167                                           |            |
|      |            | Median                           | 630.6650                                           |            |
|      |            | Variance                         | 18.662                                             |            |
|      |            | Std. Deviation                   | 4.31991                                            |            |
|      |            | Minimum                          | 627.58                                             |            |

|            |                                  |             |          |         |
|------------|----------------------------------|-------------|----------|---------|
| perlakuan  | Maximum                          |             | 640.02   |         |
|            | Range                            |             | 12.44    |         |
|            | Interquartile Range              |             | 5.45     |         |
|            | Skewness                         |             | 1.617    | .845    |
|            | Kurtosis                         |             | 3.156    | 1.741   |
|            | Mean                             |             | 587.3867 | 4.33498 |
|            | 95% Confidence Interval for Mean | Lower Bound | 576.2433 |         |
|            |                                  | Upper Bound | 598.5301 |         |
|            | 5% Trimmed Mean                  |             | 587.2024 |         |
|            | Median                           |             | 585.9000 |         |
|            | Variance                         |             | 112.752  |         |
|            | Std. Deviation                   |             | 10.61848 |         |
|            | Minimum                          |             | 576.89   |         |
|            | Maximum                          |             | 601.20   |         |
|            | Range                            |             | 24.31    |         |
|            | Interquartile Range              |             | 21.40    |         |
|            | Skewness                         |             | .287     | .845    |
|            | Kurtosis                         |             | -2.271   | 1.741   |
| K. positif | Mean                             |             | 605.7933 | 2.46600 |
|            | 95% Confidence Interval for Mean | Lower Bound | 599.4543 |         |
|            |                                  | Upper Bound | 612.1324 |         |
|            | 5% Trimmed Mean                  |             | 605.8848 |         |
|            | Median                           |             | 607.0100 |         |
|            | Variance                         |             | 36.487   |         |
|            | Std. Deviation                   |             | 6.04045  |         |
|            | Minimum                          |             | 597.83   |         |
|            | Maximum                          |             | 612.11   |         |
|            | Range                            |             | 14.28    |         |
|            | Interquartile Range              |             | 11.86    |         |
|            | Skewness                         |             | -.365    | .845    |
|            | Kurtosis                         |             | -2.157   | 1.741   |

### Tests of Normality

|      | kelompok   | Kolmogorov-Smirnov <sup>a</sup> |    |       | Shapiro-Wilk |    |      |
|------|------------|---------------------------------|----|-------|--------------|----|------|
|      |            | Statistic                       | df | Sig.  | Statistic    | df | Sig. |
| IL-6 | K. normal  | .187                            | 6  | .200* | .907         | 6  | .415 |
|      | K. negatif | .261                            | 6  | .200* | .852         | 6  | .162 |

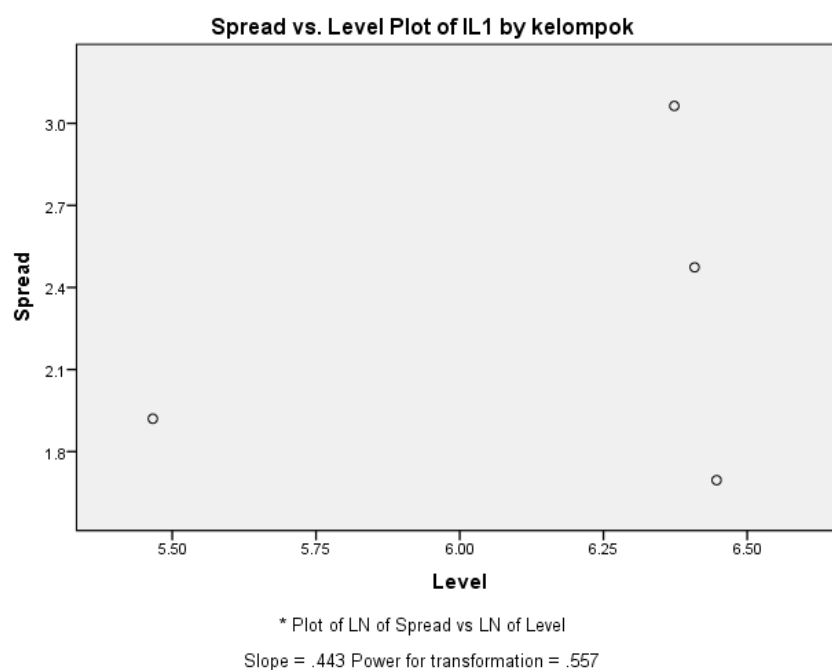
|            |      |   |       |      |   |      |
|------------|------|---|-------|------|---|------|
| perlakuan  | .229 | 6 | .200* | .878 | 6 | .259 |
| K. positif | .242 | 6 | .200* | .893 | 6 | .335 |

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

a. Lilliefors Significance Correction

### Test of Homogeneity of Variance

|                                      | Levene Statistic | df1 | df2    | Sig. |
|--------------------------------------|------------------|-----|--------|------|
| IL-6 Based on Mean                   | 7.497            | 3   | 20     | .001 |
| Based on Median                      | 5.972            | 3   | 20     | .004 |
| Based on Median and with adjusted df | 5.972            | 3   | 15.861 | .006 |
| Based on trimmed mean                | 7.417            | 3   | 20     | .002 |



## Lampiran 2. Hasil analisis perbedaan rerata kadar IL-6

### Oneway

### ANOVA

IL-6

|                | Sum of Squares | df | Mean Square | F        | Sig. |
|----------------|----------------|----|-------------|----------|------|
| Between Groups | 626001.899     | 3  | 208667.300  | 4669.470 | .000 |
| Within Groups  | 893.752        | 20 | 44.688      |          |      |
| Total          | 626895.650     | 23 |             |          |      |

### Post Hoc Tests

#### Multiple Comparisons

Dependent Variable:

Tamhane

| (I) kelompok | (J) kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |             |
|--------------|--------------|-----------------------|------------|------|-------------------------|-------------|
|              |              |                       |            |      | Lower Bound             | Upper Bound |
| K. normal    | K. negatif   | -44.54667*            | .59408     | .000 | -46.6353                | -42.4581    |
|              | perlakuan    | -32.59833*            | .49778     | .000 | -34.2763                | -30.9203    |
|              | K. positif   | -33.77333*            | .47890     | .000 | -35.3743                | -32.1723    |
| K. negatif   | K. normal    | 44.54667*             | .59408     | .000 | 42.4581                 | 46.6353     |
|              | perlakuan    | 11.94833*             | .66663     | .000 | 9.7435                  | 14.1531     |
|              | K. positif   | 10.77333*             | .65264     | .000 | 8.6004                  | 12.9463     |
| perlakuan    | K. normal    | 32.59833*             | .49778     | .000 | 30.9203                 | 34.2763     |
|              | K. negatif   | -11.94833*            | .66663     | .000 | -14.1531                | -9.7435     |
|              | K. positif   | -1.17500              | .56640     | .331 | -3.0253                 | .6753       |
| K. positif   | K. normal    | 33.77333*             | .47890     | .000 | 32.1723                 | 35.3743     |
|              | K. negatif   | -10.77333*            | .65264     | .000 | -12.9463                | -8.6004     |
|              | perlakuan    | 1.17500               | .56640     | .331 | -.6753                  | 3.0253      |

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



**UNIVERSITAS GADJAH MADA**  
**PUSAT STUDI PANGAN DAN GIZI**

Alamat: Gedung PAU-UGM, Jalan Teknik Utara, Berek, Yogyakarta 55281, Phone/Fax. (0274) 589242  
<http://cfns.ugm.ac.id>, E-mail: [cfns@ugm.ac.id](mailto:cfns@ugm.ac.id)

**LAPORAN HASIL UJI**

*(Analysis Certificate)*

No.PSPG/052/II/2019

|                                                              |                               |
|--------------------------------------------------------------|-------------------------------|
| <b>Nomor Pengujian</b><br><i>(Analysis Report Number)</i>    | : PS/042/II/2019              |
| <b>Nama Pelanggan</b><br><i>(Name of client)</i>             | : Mohammad Igbal Raka Ortanto |
| <b>Alamat Pelanggan</b><br><i>(Address of client)</i>        | : Unissula Semarang           |
| <b>No. Telepon Pelanggan</b><br><i>(Phone No. of client)</i> | :                             |
| <b>Contoh Uji</b><br><i>(Type of sample)</i>                 | : Darah                       |
| <b>Tanggal Penerimaan Contoh Uji</b>                         | : Februari 2019               |
| <b>Tanggal Pengujian</b><br><i>(Date of analysis)</i>        | : Februari 2019               |
| <b>Metode Uji</b><br><i>(Analysis Method)</i>                | :                             |
| <b>Hasil Uji</b><br><i>(Analysis Result)</i>                 | : Kadar IL-6                  |

Hasil uji terlampir

Yogyakarta, 26 Februari 2019  
Wakil Kepala Bidang Program PSPG – UGM

Prof. Dr. Ir. Nuriyanti, MS  
NIP. 196008171986032003

**KOMISI BIOETIKA PENELITIAN KEDOKTERAN/KESEHATAN**

**FAKULTAS KEDOKTERAN**

**UNIVERSITAS ISLAM SULTAN AGUNG SEMARANG**

Sekretariat : Gedung C Lantai I Fakultas Kedokteran Unissula  
Jl. Raya Kaligawe Km 4 Semarang, Telp. 024-6583584, Fax 024-6594366

# Ethical Clearance

**No. 93/II/2019/Komisi Bioetik**

Komisi Bioetika Penelitian Kedokteran/Kesehatan Fakultas Kedokteran Universitas Islam Sultan Agung Semarang, setelah melakukan pengkajian atas usulan penelitian yang berjudul :

**PENGARUH PEMBERIAN AIR KELAPA MUDA (*Cocos nucifera L.*) TERHADAP KADAR IL-6**

**(Studi Eksperimental Pada Tikus Galur Wistar (*Rattus norvegicus*) Di Induksi *Streptozotocin-Nicotinamide* (STZ-Na))**

Peneliti Utama : Mohammad Iqbal Raka Ortanto  
Pembimbing : Dr. dr. Joko Wahyu Widodo, M.Kes  
Dr. Siti Thomas Zulaikhah, SKM., M.Kes  
Tempat Penelitian : Penelitian Antar Universitas (PAU) Universitas Gajah Mada Yogyakarta

dengan ini menyatakan bahwa usulan penelitian diatas telah memenuhi prasyarat etik penelitian. Oleh karena itu Komisi Bioetika merekomendasikan agar penelitian ini dapat dilaksanakan dengan mempertimbangkan prinsip-prinsip yang dinyatakan dalam Deklarasi Helsinki dan panduan yang tertuang dalam Pedoman Nasional Etik Penelitian Kesehatan (PNEPK) Departemen Kesehatan RI tahun 2004.

Semarang, 14 Februari 2019

Komisi Bioetika Penelitian Kedokteran/Kesehatan  
Fakultas Kedokteran Unissula

Ketua  
  
(dr. Sofwan Dahlan, Sp.F(K))













