

# LAMPIRAN

## LAMPIRAN 1 - Hasil Determinasi Tumbuhan



LEMBAGA ILMU PENGETAHUAN INDONESIA  
(INDONESIAN INSTITUTE OF SCIENCES)  
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Cibinong, 6 April 2018

Nomor : 865/IPH.1.01/IF.07/IV/2018  
Lampiran : -  
Perihal : Hasil identifikasi/determinasi Tumbuhan

Kepada Yth.  
Bpk./Ibu/Sdr(i). **Chindy Tjandra**  
Mhs. Univ. Tarumanagara  
Jl. Letjend S. Parman No.1  
Jakarta - 11440

Dengan hormat,

Bersama ini kami sampaikan hasil identifikasi/determinasi tumbuhan yang Saudara kirimkan ke "Herbarium Bogoriense", Bidang Botani Pusat Penelitian Biologi-LIPI Bogor, adalah sebagai berikut :

| No. | No. Kol.   | Jenis                    | Suku     |
|-----|------------|--------------------------|----------|
| 1   | Strawberry | <i>Fragaria vesca</i> L. | Rosaceae |

Demikian, semoga berguna bagi Saudara.

Kepala Bidang Botani  
Pusat Penelitian Biologi-LIPI,  
  
Dr. Joeni Setijo Rahajoe  
NIP. 196706241993032004

Hasil identifikasi Tanaman

## LAMPIRAN 2 - Persetujuan Etik



**KOMISI ETIK RISET  
FAKULTAS KEDOKTERAN  
UNIVERSITAS TRISAKTI**  
Jalan Kyai Tapa, Grogol, (Kampus B) Jakarta 11440  
Telp: (021) 5672731, 5655786  
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**PERSETUJUAN ETIK**  
*Ethical Clearance*  
**Nomor: 143/KER/FK/I/2019**

Komisi Etik Riset Fakultas Kedokteran Universitas Trisakti setelah mempelajari dengan seksama dan mendengarkan penjelasan dari peneliti utama tentang kemungkinan adanya dampak etis terhadap subyek riset, masyarakat dan lingkungan, menetapkan penelitian dengan judul:

**”PENGARUH PEMBERIAN EKSTRAK DAUN STROBERI  
(FRAGARIA VESCA) TERHADAP KADAR MALONDIALDEHID  
(MDA) PADA ORGAN PARU DAN DARAH TIKUS SPRAGUE  
DAWLEY SETELAH DIINDUKSI HIPOKSIA”**

Peneliti Utama : Olivia Margaretha

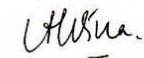
Lembaga/Tempat penelitian : FK Universitas Tarumanagara

Dinyatakan memenuhi persyaratan etik untuk dilaksanakan.

Jakarta, 17 Januari 2019

Ketua  
  
Prof. DR. dr. Adi Hidayat, MS

Sekretaris

  
dr. Alvina SpPK

Uji Etik Hewan

**LAMPIRAN 3 – Tabel IC<sub>50</sub> Vitamin C dan Tabel Regresi Linier Larutan Pembanding DPPH**

Tabel Konsentrasi Vitamin C, Nilai Absorban (Absorbansi), dan % Inhibisi Larutan Pembanding

| Konsentrasi (µg/mL) | Absorbansi | Presentase Inhibisi (%) | IC <sub>50</sub> (µg/mL) |
|---------------------|------------|-------------------------|--------------------------|
| 2                   | 0,346      | 32,685                  |                          |
| 4                   | 0,288      | 43,969                  |                          |
| 6                   | 0,213      | 58,560                  | 4,78                     |
| 8                   | 0,152      | 70,428                  |                          |
| 10                  | 0,086      | 83,268                  |                          |

Tabel Regresi Linear Standar DPPH (Asam Askorbat)

| Linear Regression                | Nilai               |
|----------------------------------|---------------------|
| Best-fit values ± SE             |                     |
| Slope                            | 6,381 ± 0,1261      |
| Y-intercept                      | 19,49 ± 0,8364      |
| X-intercept                      | -3,055              |
| 1/slope                          | 0,1567              |
| 95% Confidence Intervals         |                     |
| Slope                            | 5,98 to 6,783       |
| Y-intercept                      | 16,83 to 22,16      |
| X-intercept                      | -3,69 to -2,492     |
| Goodness of Fit                  |                     |
| R square                         | 0,9988              |
| Sy.x                             | 0,7974              |
| Is slope significantly non-zero? |                     |
| F                                | 2562                |
| DFn, DFd                         | 1, 3                |
| P                                | <0,0001             |
| Deviation from zero?             | Significant         |
| Equation                         | Y = 6,381*X + 19,49 |
| Data                             |                     |
| Number of X values               | 5                   |
| Maximum number of Y replicates   | 1                   |
| Total number of values           | 5                   |
| Number of missing values         | 0                   |

**LAMPIRAN 4 – Tabel IC<sub>50</sub> Ekstrak Daun Stroberi dan Tabel Regresi Linier Larutan Pembanding DPPH**

Tabel Konsentrasi Ekstrak Daun Stroberi, Nilai Absorban (Absorbansi), dan % Inhibisi Larutan Pembanding

| Konsentrasi (µg/mL) | Absorbansi | Presentase Inhibisi (%) | IC <sub>50</sub> (µg/mL) |
|---------------------|------------|-------------------------|--------------------------|
| 10                  | 0,38       | 26,070                  |                          |
| 30                  | 0,35       | 31,907                  |                          |
| 50                  | 0,34       | 33,852                  | 128,193                  |
| 70                  | 0,312      | 39,300                  |                          |
| 90                  | 0,298      | 42,023                  |                          |

Tabel Regresi Linear Standar DPPH (Ekstrak Daun Stroberi)

| Linear Regression                | Nilai                |
|----------------------------------|----------------------|
| Best-fit values ± SE             |                      |
| Slope                            | 0,1965 ± 0,01663     |
| Y-intercept                      | 24,81 ± 0,9552       |
| X-intercept                      | -126,2               |
| 1/slope                          | 5,089                |
| 95% Confidence Intervals         |                      |
| Slope                            | 0,1436 to 0,2494     |
| Y-intercept                      | 21,77 to 27,85       |
| X-intercept                      | -191,8 to -88,24     |
| Goodness of Fit                  |                      |
| R square                         | 0,979                |
| Sy.x                             | 1,052                |
| Is slope significantly non-zero? |                      |
| F                                | 139,6                |
| DFn, DFd                         | 1, 3                 |
| P                                | 0,0013               |
| Deviation from zero?             | Significant          |
| Equation                         | Y = 0,1965*X + 24,81 |
| Data                             |                      |
| Number of X values               | 5                    |
| Maximum number of Y replicates   | 1                    |
| Total number of values           | 5                    |
| Number of missing values         | 0                    |

## LAMPIRAN 5 – Tabel Regresi Linier Standar Tanin

Tabel Regresi Linear Standar Tanin

| Linear Regression                | Nilai                      |
|----------------------------------|----------------------------|
| Best-fit values $\pm$ SE         |                            |
| Slope                            | 0,00073 $\pm$ 7,332e-005   |
| Y-intercept                      | 0,1188 $\pm$ 0,0381        |
| X-intercept                      | -162,7                     |
| 1/slope                          | 1370                       |
| 95% Confidence Intervals         |                            |
| Slope                            | 0,0004967 to 0,0009633     |
| Y-intercept                      | -0,002447 to 0,24          |
| X-intercept                      | -478,9 to 2,564            |
| Goodness of Fit                  |                            |
| R square                         | 0,9706                     |
| Sy.x                             | 0,02319                    |
| Is slope significantly non-zero? |                            |
| F                                | 99,13                      |
| DFn, DFd                         | 1, 3                       |
| P                                | 0,0022                     |
| Deviation from zero?             | Significant                |
| Equation                         | $Y = 0,00073 * X + 0,1188$ |
| Data                             |                            |
| Number of X values               | 5                          |
| Maximum number of Y replicates   | 1                          |
| Total number of values           | 5                          |
| Number of missing values         | 0                          |

## LAMPIRAN 6 – Tabel Regresi Linier Standar Berberine

Tabel Regresi Linear Standar Berberine

| Linear Regression                | Nilai                       |
|----------------------------------|-----------------------------|
| Best-fit values ± SE             |                             |
| Slope                            | 0,001715 ± 0,0002174        |
| Y-intercept                      | 0,0481 ± 0,01442            |
| X-intercept                      | -28,05                      |
| 1/slope                          | 583,1                       |
| 95% Confidence Intervals         |                             |
| Slope                            | 0,001023 to 0,002407        |
| Y-intercept                      | 0,002209 to 0,09399         |
| X-intercept                      | -89,38 to -0,9434           |
| Goodness of Fit                  |                             |
| R square                         | 0,954                       |
| Sy.x                             | 0,01375                     |
| Is slope significantly non-zero? |                             |
| F                                | 62,24                       |
| DFn, DFd                         | 1, 3                        |
| P                                | 0,0042                      |
| Deviation from zero?             | Significant                 |
| Equation                         | $Y = 0,001715 * X + 0,0481$ |
| Data                             |                             |
| Number of X values               | 5                           |
| Maximum number of Y replicates   | 1                           |
| Total number of values           | 5                           |
| Number of missing values         | 0                           |

**LAMPIRAN 7 – Tabel Pengaruh Ekstrak Daun Stroberi Terhadap Larva *A. salina* dan Tabel Regresi Linier Uji Toksisitas Ekstrak Daun Stroberi**

Tabel Pengaruh Ekstrak Daun Berenuk Terhadap Larva *A. salina*

| Log Konsentrasi | Jumlah Larva Hidup | Jumlah Larva Mati | Akumulasi Hidup | Akumulasi Mati | Akumulasi Mati/Total | Angka Mortalitas |
|-----------------|--------------------|-------------------|-----------------|----------------|----------------------|------------------|
| 1               | 11                 | 9                 | 17              | 9              | 9/26                 | 34,62 %          |
| 2               | 5                  | 15                | 6               | 24             | 24/30                | 80 %             |
| 2.70            | 1                  | 19                | 1               | 43             | 43/44                | 97,72 %          |
| 3               | 0                  | 20                | 0               | 63             | 63/63                | 100 %            |

Tabel Regresi Linear Uji Toksisitas Ekstrak Daun Stroberi

| Linear Regression                | Nilai                   |
|----------------------------------|-------------------------|
| Best-fit values $\pm$ SE         |                         |
| Slope                            | 30,49 $\pm$ 5,269       |
| Y-intercept                      | 14,11 $\pm$ 12,16       |
| X-intercept                      | -0,4626                 |
| 1/slope                          | 0,03279                 |
| 95% Confidence Intervals         |                         |
| Slope                            | 7,823 to 53,17          |
| Y-intercept                      | -38,19 to 66,41         |
| X-intercept                      | -8,189 to 0,7447        |
| Goodness of Fit                  |                         |
| R square                         | 0,9436                  |
| Sy.x                             | 8,106                   |
| Is slope significantly non-zero? |                         |
| F                                | 33,49                   |
| DFn, DFd                         | 1, 2                    |
| P                                | 0,0286                  |
| Deviation from zero?             | Significant             |
| Equation                         | $Y = 30,49 * X + 14,11$ |
| Data                             |                         |
| Number of X values               | 4                       |
| Maximum number of Y replicates   | 1                       |
| Total number of values           | 4                       |
| Number of missing values         | 0                       |

## LAMPIRAN 8 – Tabel Regresi Linier Standar MDA

Tabel Regresi Linear Standar MDA

| Linear Regression                | Nilai                       |
|----------------------------------|-----------------------------|
| Best-fit values $\pm$ SE         |                             |
| Slope                            | 0,1191 $\pm$ 0,001715       |
| Y-intercept                      | 0,005342 $\pm$ 0,002021     |
| X-intercept                      | -0,04487                    |
| 1/slope                          | 8,398                       |
| 95% Confidence Intervals         |                             |
| Slope                            | 0,1143 to 0,1238            |
| Y-intercept                      | -0,0002676 to 0,01095       |
| X-intercept                      | -0,09469 to 0,002187        |
| Goodness of Fit                  |                             |
| R square                         | 0,9992                      |
| Sy.x                             | 0,003554                    |
| Is slope significantly non-zero? |                             |
| F                                | 4822                        |
| DFn, DFd                         | 1, 4                        |
| P                                | <0,0001                     |
| Deviation from zero?             | Significant                 |
| Equation                         | $Y = 0,1191 * X + 0,005342$ |
| Data                             |                             |
| Number of X values               | 6                           |
| Maximum number of Y replicates   | 1                           |
| Total number of values           | 6                           |
| Number of missing values         | 0                           |



## LAMPIRAN 9 – Tabel Hasil Absorbansi dan Kadar MDA Darah

Tabel Absorbansi Darah Normoksia Tikus Tidak Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,093              | 0,081 | 0,087                     | 0,685625525            |
| Tikus 2     | 0,069              | 0,073 | 0,071                     | 0,551284635            |
| Tikus 3     | 0,072              | 0,066 | 0,069                     | 0,534492024            |
| Tikus 4     | 0,082              | 0,084 | 0,083                     | 0,652040302            |
| Rata - Rata |                    |       | 0,077                     | 0,601662469            |

Tabel Absorbansi Darah Normoksia Tikus Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,021              | 0,029 | 0,025                     | 0,165054576            |
| Tikus 2     | 0,030              | 0,034 | 0,032                     | 0,223828715            |
| Tikus 3     | 0,048              | 0,040 | 0,044                     | 0,324584383            |
| Tikus 4     | 0,037              | 0,047 | 0,042                     | 0,307791772            |
| Rata - Rata |                    |       | 0,042                     | 0,307791772            |

Tabel Absorbansi Darah Hipoksia 1 Hari Tikus Tidak Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,098              | 0,112 | 0,105                     | 0,836759026            |
| Tikus 2     | 0,108              | 0,114 | 0,111                     | 0,88713686             |
| Tikus 3     | 0,104              | 0,108 | 0,106                     | 0,45155332             |
| Tikus 4     | 0,119              | 0,109 | 0,114                     | 0,912325777            |
| Rata - Rata |                    |       | 0,109                     | 0,870344249            |

Tabel Absorbansi Darah Hipoksia 1 Hari Tikus Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,059              | 0,047 | 0,053                     | 0,400151134            |
| Tikus 2     | 0,055              | 0,061 | 0,058                     | 0,442132662            |
| Tikus 3     | 0,059              | 0,073 | 0,066                     | 0,509303107            |
| Tikus 4     | 0,062              | 0,066 | 0,064                     | 0,492510495            |
| Rata - Rata |                    |       | 0,060                     | 0,458925273            |

Tabel Absorbansi Darah Hipoksia 7 Hari Tikus Tidak Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata Absorbansi | Kadar MDA (nmol/mL) |
|-------------|--------------------|-------|------------------------|---------------------|
|             | 1                  | 2     |                        |                     |
| Tikus 1     | 0,134              | 0,140 | 0,137                  | 1,105440806         |
| Tikus 2     | 0,150              | 0,148 | 0,149                  | 1,206196474         |
| Tikus 3     | 0,128              | 0,136 | 0,132                  | 1,063459278         |
| Tikus 4     | 0,147              | 0,141 | 0,144                  | 1,164214945         |
| Rata - Rata |                    |       | 0,14                   | 1,130629723         |

Tabel Absorbansi Darah Hipoksia 7 Hari Tikus Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata Absorbansi | Kadar MDA (nmol/mL) |
|-------------|--------------------|-------|------------------------|---------------------|
|             | 1                  | 2     |                        |                     |
| Tikus 1     | 0,104              | 0,096 | 0,1                    | 0,794777498         |
| Tikus 2     | 0,105              | 0,109 | 0,107                  | 0,853551637         |
| Tikus 3     | 0,115              | 0,105 | 0,11                   | 0,878740554         |
| Tikus 4     | 0,095              | 0,101 | 0,098                  | 0,777984887         |
| Rata - Rata |                    |       | 0,104                  | 0,82836272          |

Tabel Absorbansi Darah Hipoksia 14 Hari Tikus Tidak Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata Absorbansi | Kadar MDA (nmol/mL) |
|-------------|--------------------|-------|------------------------|---------------------|
|             | 1                  | 2     |                        |                     |
| Tikus 1     | 0,180              | 0,174 | 0,177                  | 1,441293031         |
| Tikus 2     | 0,191              | 0,195 | 0,193                  | 1,575633921         |
| Tikus 3     | 0,185              | 0,189 | 0,187                  | 1,525256087         |
| Tikus 4     | 0,177              | 0,181 | 0,179                  | 1,458085642         |
| Rata - Rata |                    |       | 0,184                  | 1,50006717          |

Tabel Absorbansi Darah Hipoksia 14 Hari Tikus Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata Absorbansi | Kadar MDA (nmol/mL) |
|-------------|--------------------|-------|------------------------|---------------------|
|             | 1                  | 2     |                        |                     |
| Tikus 1     | 0,139              | 0,143 | 0,141                  | 1,139026029         |
| Tikus 2     | 0,136              | 0,146 | 0,141                  | 1,139026029         |
| Tikus 3     | 0,142              | 0,146 | 0,144                  | 1,164214945         |
| Tikus 4     | 0,144              | 0,150 | 0,147                  | 1,189403862         |
| Rata - Rata |                    |       | 0,141                  | 1,139026029         |

## LAMPIRAN 10 – Tabel Hasil Absorbansi dan Kadar MDA Hati

Tabel Absorbansi Hati Normoksia Tikus Tidak Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,087              | 0,091 | 0,089                     | 0,702418136            |
| Tikus 2     | 0,112              | 0,118 | 0,115                     | 0,920722082            |
| Tikus 3     | 0,063              | 0,069 | 0,066                     | 0,509303107            |
| Tikus 4     | 0,090              | 0,092 | 0,091                     | 0,719210747            |
| Rata - Rata |                    |       | 0,09                      | 0,710814442            |

Tabel Absorbansi Hati Normoksia Tikus Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,086              | 0,090 | 0,088                     | 0,69402183             |
| Tikus 2     | 0,080              | 0,084 | 0,082                     | 0,643643997            |
| Tikus 3     | 0,070              | 0,072 | 0,071                     | 0,551284635            |
| Tikus 4     | 0,065              | 0,071 | 0,068                     | 0,526095718            |
| Rata - Rata |                    |       | 0,077                     | 0,601662469            |

Tabel Absorbansi Hati Hipoksia 1 Hari Tikus Tidak Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,132              | 0,138 | 0,135                     | 1,088648195            |
| Tikus 2     | 0,155              | 0,159 | 0,157                     | 1,273366919            |
| Tikus 3     | 0,154              | 0,158 | 0,156                     | 1,264970613            |
| Tikus 4     | 0,130              | 0,136 | 0,133                     | 1,071855584            |
| Rata - Rata |                    |       | 0,145                     | 1,172611251            |

Tabel Absorbansi Hati Hipoksia 1 Hari Tikus Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,111              | 0,117 | 0,114                     | 0,912325777            |
| Tikus 2     | 0,115              | 0,123 | 0,119                     | 0,954307305            |
| Tikus 3     | 0,105              | 0,113 | 0,109                     | 0,870344249            |
| Tikus 4     | 0,105              | 0,109 | 0,107                     | 0,853551637            |
| Rata - Rata |                    |       | 0,112                     | 0,895533165            |

Tabel Absorbansi Hati Hipoksia 7 Hari Tikus Tidak Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,175              | 0,181 | 0,178                     | 1,449689337            |
| Tikus 2     | 0,182              | 0,188 | 0,185                     | 1,508463476            |
| Tikus 3     | 0,160              | 0,164 | 0,162                     | 1,315348447            |
| Tikus 4     | 0,171              | 0,175 | 0,173                     | 1,407707809            |
| Rata - Rata |                    |       | 0,184                     | 1,50006717             |

Tabel Absorbansi Hati Hipoksia 7 Hari Tikus Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,184              | 0,192 | 0,188                     | 1,533652393            |
| Tikus 2     | 0,141              | 0,145 | 0,143                     | 1,15581864             |
| Tikus 3     | 0,120              | 0,126 | 0,123                     | 0,987892527            |
| Tikus 4     | 0,130              | 0,132 | 0,131                     | 1,055062972            |
| Rata - Rata |                    |       | 0,146                     | 1,181007557            |

Tabel Absorbansi Hati Hipoksia 14 Hari Tikus Tidak Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,211              | 0,209 | 0,21                      | 1,718371117            |
| Tikus 2     | 0,187              | 0,191 | 0,189                     | 1,542048699            |
| Tikus 3     | 0,220              | 0,222 | 0,221                     | 1,810730479            |
| Tikus 4     | 0,202              | 0,208 | 0,205                     | 1,676389589            |
| Rata - Rata |                    |       | 0,206                     | 1,684785894            |

Tabel Absorbansi Hati Hipoksia 14 Hari Tikus Diberikan Ekstrak Daun Stroberi

|             | Duplo (Absorbansi) |       | Rata – Rata<br>Absorbansi | Kadar MDA<br>(nmol/mL) |
|-------------|--------------------|-------|---------------------------|------------------------|
|             | 1                  | 2     |                           |                        |
| Tikus 1     | 0,186              | 0,192 | 0,189                     | 1,542048699            |
| Tikus 2     | 0,218              | 0,222 | 0,22                      | 1,802334173            |
| Tikus 3     | 0,175              | 0,183 | 0,179                     | 1,458085642            |
| Tikus 4     | 0,160              | 0,170 | 0,165                     | 1,340537364            |
| Rata - Rata |                    |       | 0,181                     | 1,474878254            |

### LAMPIRAN 11 – Uji Statistik Kadar MDA Darah dan Hati

Nilai Rerata dan Uji Shapiro-Wilk Normality Hati Tikus Diberikan Ekstrak Daun Stroberi

|                                     | Hati Tikus Diberikan Ekstrak Daun Stroberi |                 |                 |                  |
|-------------------------------------|--|-----------------|-----------------|------------------|
|                                     | Normoksia                                  | Hipoksia 1 Hari | Hipoksia 7 Hari | Hipoksia 14 Hari |
| Number of values                    | 4  | 4               | 4               | 4                |
| Minimum                             | 0,526                                      | 0,853           | 0,988           | 1,341            |
| 25% Percentile                      | 0,5323                                     | 0,8573          | 1,005           | 1,37             |
| Median                              | 0,5975                                     | 0,891           | 1,105           | 1,5              |
| 75% Percentile                      | 0,6815                                     | 0,9435          | 1,439           | 1,737            |
| Maximum                             | 0,694                                      | 0,954           | 1,533           | 1,802            |
| Mean                                | 0,6038                                     | 0,8973          | 1,183           | 1,536            |
| Std. Deviation                      | 0,07872                                    | 0,04524         | 0,2434          | 0,1957           |
| Std. Error of Mean                  | 0,03936                                    | 0,02262         | 0,1217          | 0,09785          |
| Lower 95% CI of mean                | 0,4785                                     | 0,8253          | 0,7955          | 1,224            |
| Upper 95% CI of mean                | 0,729                                      | 0,9692          | 1,57            | 1,847            |
| Sum                                 | 2,415                                      | 3,589           | 4,731           | 6,143            |
| Shapiro-Wilk normality test         |  |                 |                 |                  |
| W                                   | 0,922                                      | 0,9508          | 0,8612          | 0,9524           |
| P                                   | 0,5482                                     | 0,7213          | 0,2646          | 0,7310           |
| Passed normality test (alpha=0.05)? | Yes  | Yes             | Yes             | Yes              |
| P summary                           | ns   | ns              | ns              | ns               |

Nilai Rerata dan Uji Shapiro-Wilk Normality Hati Tikus Tidak Diberikan Ekstrak Daun Stroberi

|                                     | Hati Tikus Tidak Diberikan Ekstrak Daun Stroberi |                 |                 |                  |
|-------------------------------------|--|-----------------|-----------------|------------------|
|                                     | Normoksia  | Hipoksia 1 Hari | Hipoksia 7 Hari | Hipoksia 14 Hari |
| Number of values                    | 4  | 4               | 4               | 4                |
| Minimum                             | 0,509  | 1,071           | 1,315           | 1,542            |
| 25% Percentile                      | 0,5573   | 1,075           | 1,338           | 1,576            |
| Median                              | 0,7105   | 1,177           | 1,429           | 1,697            |
| 75% Percentile                      | 0,8698   | 1,271           | 1,494           | 1,788            |
| Maximum                             | 0,92   | 1,273           | 1,508           | 1,811            |
|                                     |  |                 |                 |                  |
| Mean                                | 0,7125   | 1,174           | 1,42            | 1,687            |
| Std. Deviation                      | 0,1679   | 0,1097          | 0,08132         | 0,1118           |
| Std. Error of Mean                  | 0,08397  | 0,05484         | 0,04066         | 0,05589          |
|                                     |  |                 |                 |                  |
| Lower 95% CI of mean                | 0,4453   | 0,9997          | 1,291           | 1,509            |
| Upper 95% CI of mean                | 0,9797   | 1,349           | 1,549           | 1,865            |
|                                     |  |                 |                 |                  |
| Sum                                 | 2,85   | 4,697           | 5,68            | 6,747            |
|                                     |  |                 |                 |                  |
| Shapiro-Wilk normality test         |  |                 |                 |                  |
| W                                   | 0,9618   | 0,7846          | 0,9851          | 0,9821           |
| P                                   | 0,7905   | 0,0774          | 0,9312          | 0,9140           |
| Passed normality test (alpha=0.05)? | Yes  | Yes             | Yes             | Yes              |
| P summary                           | ns   | ns              | ns              | ns               |

Nilai Rerata dan Uji Shapiro-Wilk Normality Darah Tikus Diberikan Ekstrak Daun Stroberi

|                                     | Darah Tikus Diberikan Ekstrak Daun Stroberi |                 |                 |                  |
|-------------------------------------|---|-----------------|-----------------|------------------|
|                                     | Normoksia                                   | Hipoksia 1 Hari | Hipoksia 7 Hari | Hipoksia 14 Hari |
| Number of values                    | 4   | 4               | 4               | 4                |
| Minimum                             | 0,165                                       | 0,4             | 0,779           | 1,135            |
| 25% Percentile                      | 0,1788                                      | 0,4105          | 0,784           | 1,136            |
| Median                              | 0,262                                       | 0,468           | 0,826           | 1,15             |
| 75% Percentile                      | 0,316                                       | 0,506           | 0,8725          | 1,182            |
| Maximum                             | 0,32  | 0,51            | 0,879           | 1,189            |
|                                     |   |                 |                 |                  |
| Mean                                | 0,2523                                      | 0,4615          | 0,8275          | 1,156            |
| Std. Deviation                      | 0,07285                                     | 0,05024         | 0,04643         | 0,02473          |
| Std. Error of Mean                  | 0,03642                                     | 0,02512         | 0,02321         | 0,01237          |
|                                     |   |                 |                 |                  |
| Lower 95% CI of mean                | 0,1363                                      | 0,3816          | 0,7536          | 1,116            |
| Upper 95% CI of mean                | 0,3682                                      | 0,5414          | 0,9014          | 1,195            |
|                                     |   |                 |                 |                  |
| Sum                                 | 1,009                                       | 1,846           | 3,31            | 4,623            |
|                                     |   |                 |                 |                  |
| Shapiro-Wilk normality test         |   |                 |                 |                  |
| W                                   | 0,912                                       | 0,9375          | 0,9338          | 0,8986           |
| P                                   | 0,4931                                      | 0,6391          | 0,6167          | 0,4244           |
| Passed normality test (alpha=0.05)? | Yes   | Yes             | Yes             | Yes              |
| P summary                           | ns  | ns              | ns              | ns               |

Nilai Rerata dan Uji Shapiro-Wilk Normality Darah Tikus Tidak Diberikan Ekstrak Daun Stroberi

|                                     | Darah Tikus Tidak Diberikan Ekstrak Daun Stroberi |                 |                 |                  |
|-------------------------------------|---|-----------------|-----------------|------------------|
|                                     | Normoksia   | Hipoksia 1 Hari | Hipoksia 7 Hari | Hipoksia 14 Hari |
| Number of values                    | 4   | 4               | 4               | 4                |
| Minimum                             | 0,534   | 0,837           | 1,059           | 1,441            |
| 25% Percentile                      | 0,5383  | 0,839           | 1,071           | 1,445            |
| Median                              | 0,5995  | 0,864           | 1,133           | 1,492            |
| 75% Percentile                      | 0,6765  | 0,9018          | 1,195           | 1,56             |
| Maximum                             | 0,686   | 0,908           | 1,206           | 1,571            |
|                                     |   |                 |                 |                  |
| Mean                                | 0,6048  | 0,8683          | 1,133           | 1,499            |
| Std. Deviation                      | 0,07386   | 0,03324         | 0,06408         | 0,06029          |
| Std. Error of Mean                  | 0,03693   | 0,01662         | 0,03204         | 0,03015          |
|                                     |   |                 |                 |                  |
| Lower 95% CI of mean                | 0,4872  | 0,8154          | 1,031           | 1,403            |
| Upper 95% CI of mean                | 0,7223  | 0,9211          | 1,234           | 1,595            |
|                                     |   |                 |                 |                  |
| Sum                                 | 2,419   | 3,473           | 4,53            | 5,995            |
|                                     |   |                 |                 |                  |
| Shapiro-Wilk normality test         |   |                 |                 |                  |
| W                                   | 0,8886  | 0,9165          | 0,9855          | 0,926            |
| P                                   | 0,3768  | 0,5173          | 0,9336          | 0,5712           |
| Passed normality test (alpha=0.05)? | Yes   | Yes             | Yes             | Yes              |
| P summary                           | ns  | ns              | ns              | ns               |



Unpaired t Test Kadar MDA Hati Tikus Diberikan Ekstrak Daun Stroberi

| Table Analyzed                      | Hati Tikus Diberikan Ekstrak Daun Stroberi |                         |                         |
|-------------------------------------|--|-------------------------|-------------------------|
|                                     |  |                         |                         |
| Column B                            | Hipoksia 1 Hari                            | Hipoksia 7 Hari         | Hipoksia 14 Hari        |
| vs.                                 | vs,  | vs,                     | vs,                     |
| Column A                            | Normoksia                                  | Normoksia               | Normoksia               |
|                                     |  |                         |                         |
| Unpaired t test                     |  |                         |                         |
| P                                   | 0,0006                                     | 0,0040                  | 0,0001                  |
| P summary                           | ***  | **                      | ***                     |
| Significantly different (P < 0.05)? | Yes  | Yes                     | Yes                     |
| One- or two-tailed P?               | Two-tailed                                 | Two-tailed              | Two-tailed              |
| t, df                               | t=6,465 df=6                               | "t=4,527 df=6"          | "t=8,836 df=6"          |
|                                     |  |                         |                         |
| How big is the difference?          |  |                         |                         |
| Mean ± SEM of column A              | 0,6038 ± 0,03936, n=4                      | "0,6038 ± 0,03936, n=4" | "0,6038 ± 0,03936, n=4" |
| Mean ± SEM of column B              | 0,8973 ± 0,02262, n=4                      | "1,183 ± 0,1217, n=4"   | "1,536 ± 0,09785, n=4"  |
| Difference between means            | 0,2935 ± 0,0454                            | "0,579 ± 0,1279"        | "0,932 ± 0,1055"        |
| 95% confidence interval             | 0,1824 to 0,4046                           | "0,2661 to 0,8919"      | "0,6739 to 1,19"        |
| R squared (eta squared)             | 0,8745                                     | 0,7735                  | 0,9286                  |
|                                     |  |                         |                         |
| F test to compare variances         |  |                         |                         |
| F, DFn, Dfd                         | 3,029, 3, 3                                | "9,557, 3, 3"           | "6,18, 3, 3"            |
| P                                   | 0,3871                                     | 0,0961                  | 0,1689                  |
| P summary                           | ns   | ns                      | ns                      |
| Significantly different (P < 0.05)? | No   | No                      | No                      |

Unpaired t Test Kadar MDA Hati Tikus Tidak Diberikan Ekstrak Daun Stroberi

| Table Analyzed                      | Hati Tikus Tidak Diberikan Ekstrak Daun Stroberi |                         |                         |
|-------------------------------------|--|-------------------------|-------------------------|
| Column B                            | "Hipoksia 1 Hari"                                | "Hipoksia 7 Hari"       | "Hipoksia 14 Hari"      |
| vs.                                 | vs,  | vs,                     | vs,                     |
| Column A                            | Normoksia  | Normoksia               | Normoksia               |
| Unpaired t test                     |  |                         |                         |
| P                                   | 0,0037   | 0,0003                  | <0,0001                 |
| P summary                           | **   | ***                     | ****                    |
| Significantly different (P < 0.05)? | Yes  | Yes                     | Yes                     |
| One- or two-tailed P?               | Two-tailed                                       | Two-tailed              | Two-tailed              |
| t, df                               | "t=4,604 df=6"                                   | "t=7,583 df=6"          | "t=9,658 df=6"          |
| How big is the difference?          |  |                         |                         |
| Mean ± SEM of column A              | "0,7125 ± 0,08397, n=4"                          | "0,7125 ± 0,08397, n=4" | "0,7125 ± 0,08397, n=4" |
| Mean ± SEM of column B              | "1,174 ± 0,05484, n=4"                           | "1,42 ± 0,04066, n=4"   | "1,687 ± 0,05589, n=4"  |
| Difference between means            | "0,4618 ± 0,1003"                                | "0,7075 ± 0,0933"       | "0,9743 ± 0,1009"       |
| 95% confidence interval             | "0,2163 to 0,7072"                               | "0,4792 to 0,9358"      | "0,7274 to 1,221"       |
| R squared (eta squared)             | 0,7794   | 0,9055                  | 0,9396                  |
| F test to compare variances         |  |                         |                         |
| F, DFn, Dfd                         | "2,345, 3, 3"                                    | "4,266, 3, 3"           | "2,258, 3, 3"           |
| P                                   | 0,5022   | 0,2644                  | 0,5210                  |
| P summary                           | ns   | ns                      | ns                      |
| Significantly different (P < 0.05)? | No   | No                      | No                      |

Unpaired t Test Kadar MDA Darah Tikus Diberikan Ekstrak Daun Stroberi

| Table Analyzed                      | Darah Tikus Diberikan Ekstrak Daun Stroberi |                         |                         |
|-------------------------------------|---|-------------------------|-------------------------|
|                                     |   |                         |                         |
| Column B                            | "Hipoksia 1 Hari"                           | "Hipoksia 7 Hari"       | "Hipoksia 14 Hari"      |
| vs.                                 | vs,   | vs,                     | vs,                     |
| Column A                            | Normoksia                                   | Normoksia               | Normoksia               |
|                                     |   |                         |                         |
| Unpaired t test                     |   |                         |                         |
| P                                   | 0,0032                                      | <0,0001                 | <0,0001                 |
| P summary                           | **  | ****                    | ****                    |
| Significantly different (P < 0.05)? | Yes   | Yes                     | Yes                     |
| One- or two-tailed P?               | Two-tailed                                  | Two-tailed              | Two-tailed              |
| t, df                               | "t=4,729 df=6"                              | "t=13,32 df=6"          | "t=23,49 df=6"          |
|                                     |   |                         |                         |
| How big is the difference?          |   |                         |                         |
| Mean ± SEM of column A              | "0,2523 ± 0,03642, n=4"                     | "0,2523 ± 0,03642, n=4" | "0,2523 ± 0,03642, n=4" |
| Mean ± SEM of column B              | "0,4615 ± 0,02512, n=4"                     | "0,8275 ± 0,02321, n=4" | "1,156 ± 0,01237, n=4"  |
| Difference between means            | "0,2093 ± 0,04425"                          | "0,5753 ± 0,04319"      | "0,9035 ± 0,03847"      |
| 95% confidence interval             | "0,101 to 0,3175"                           | "0,4696 to 0,6809"      | "0,8094 to 0,9976"      |
| R squared (eta squared)             | 0,7885                                      | 0,9673                  | 0,9892                  |
|                                     |   |                         |                         |
| F test to compare variances         |   |                         |                         |
| F, DFn, Dfd                         | "2,103, 3, 3"                               | "2,462, 3, 3"           | "8,677, 3, 3"           |
| P                                   | 0,5572                                      | 0,4788                  | 0,1092                  |
| P summary                           | ns  | ns                      | ns                      |
| Significantly different (P < 0.05)? | No  | No                      | No                      |

Unpaired t Test Kadar MDA Darah Tikus Tidak Diberikan Ekstrak Daun Stroberi

| Table Analyzed                      | Darah Tikus Tidak Diberikan Ekstrak Daun Stroberi |                         |                         |
|-------------------------------------|---|-------------------------|-------------------------|
| Column B                            | "Hipoksia 1 Hari"                                 | "Hipoksia 7 Hari"       | "Hipoksia 14 Hari"      |
| vs.                                 | vs,   | vs,                     | vs,                     |
| Column A                            | Normoksia   | Normoksia               | Normoksia               |
| Unpaired t test                     |   |                         |                         |
| P                                   | 0,0006  | <0,0001                 | <0,0001                 |
| P summary                           | ***   | ****                    | ****                    |
| Significantly different (P < 0.05)? | Yes   | Yes                     | Yes                     |
| One- or two-tailed P?               | Two-tailed  | Two-tailed              | Two-tailed              |
| t, df                               | "t=6,506 df=6"                                    | "t=10,79 df=6"          | "t=18,75 df=6"          |
| How big is the difference?          |   |                         |                         |
| Mean ± SEM of column A              | "0,6048 ± 0,03693, n=4"                           | "0,6048 ± 0,03693, n=4" | "0,6048 ± 0,03693, n=4" |
| Mean ± SEM of column B              | "0,8683 ± 0,01662, n=4"                           | "1,133 ± 0,03204, n=4"  | "1,499 ± 0,03015, n=4"  |
| Difference between means            | "0,2635 ± 0,0405"                                 | "0,5278 ± 0,04889"      | "0,894 ± 0,04767"       |
| 95% confidence interval             | "0,1644 to 0,3626"                                | "0,4081 to 0,6474"      | "0,7774 to 1,011"       |
| R squared (eta squared)             | 0,8759  | 0,951                   | 0,9832                  |
| F test to compare variances         |   |                         |                         |
| F, DFn, Dfd                         | "4,938, 3, 3"                                     | "1,329, 3, 3"           | "1,501, 3, 3"           |
| P                                   | 0,2224  | 0,8208                  | 0,7467                  |
| P summary                           | ns  | ns                      | ns                      |
| Significantly different (P < 0.05)? | No  | No                      | No                      |

Unpaired t Test Kadar MDA Hati Tikus Tidak Diberikan Ekstrak Dengan Diberikan Ekstrak Daun Stroberi

| Table Analyzed                      | Hati Tikus              |                         |                       |                        |
|-------------------------------------|-------------------------|-------------------------|-----------------------|------------------------|
|                                     |                         |                         |                       |                        |
| Column (Tidak Diberikan Ekstrak)    | Normo                   | "Hipoksia 1D"           | " Hipoksia 7D"        | " Hipoksia 14D"        |
| vs.                                 | vs                      | vs,                     | vs,                   | vs,                    |
| Column A (Diberikan Ekstrak)        | Normo                   | "Hipoksia 1D"           | " Hipoksia 7D"        | " Hipoksia 14D"        |
|                                     |                         |                         |                       |                        |
| Unpaired t test                     |                         |                         |                       |                        |
| P                                   | 0,2854                  | 0,0034                  | 0,1139                | 0,2288                 |
| P summary                           | ns                      | **                      | ns                    | ns                     |
| Significantly different (P < 0.05)? | No                      | Yes                     | No                    | No                     |
| One- or two-tailed P?               | Two-tailed              | Two-tailed              | Two-tailed            | Two-tailed             |
| t, df                               | "t=1,173 df=6"          | "t=4,67 df=6"           | "t=1,849 df=6"        | "t=1,34 df=6"          |
|                                     |                         |                         |                       |                        |
| How big is the difference?          |                         |                         |                       |                        |
| Mean ± SEM of column A              | "0,6038 ± 0,03936, n=4" | "0,8973 ± 0,02262, n=4" | "1,183 ± 0,1217, n=4" | "1,536 ± 0,09785, n=4" |
| Mean ± SEM of column B              | "0,7125 ± 0,08397, n=4" | "1,174 ± 0,05484, n=4"  | "1,42 ± 0,04066, n=4" | "1,687 ± 0,05589, n=4" |
| Difference between means            | "0,1088 ± 0,09274"      | "0,277 ± 0,05932"       | "0,2373 ± 0,1283"     | "0,151 ± 0,1127"       |
| 95% confidence interval             | "-0,1182 to 0,3357"     | "0,1319 to 0,4221"      | "-0,07669 to 0,5512"  | "-0,1247 to 0,4267"    |
| R squared (eta squared)             | 0,1864                  | 0,7842                  | 0,363                 | 0,2303                 |
|                                     |                         |                         |                       |                        |
| F test to compare variances         |                         |                         |                       |                        |
| F, DFn, Dfd                         | "4,551, 3, 3"           | "5,879, 3, 3"           | "8,957, 3, 3"         | "3,065, 3, 3"          |
| P                                   | 0,2451                  | 0,1798                  | 0,1047                | 0,3822                 |
| P summary                           | ns                      | ns                      | ns                    | ns                     |
| Significantly different (P < 0.05)? | No                      | No                      | No                    | No                     |

Unpaired t Test Kadar MDA Darah Tikus Tidak Diberikan Ekstrak Dengan Diberikan Ekstrak Daun Stroberi

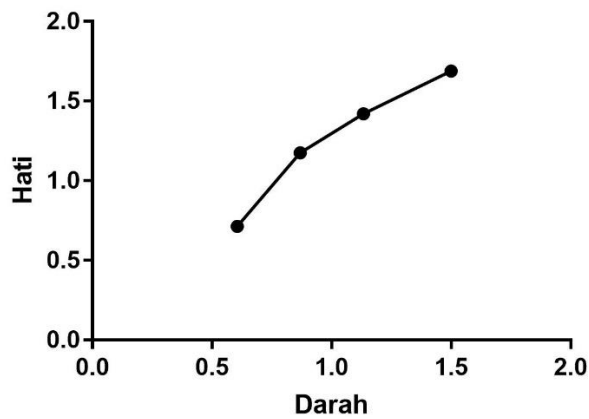
| Table Analyzed                      | Darah Tikus             |                         |                         |                        |
|-------------------------------------|-------------------------|-------------------------|-------------------------|------------------------|
|                                     |                         |                         |                         |                        |
| Column (Tidak Diberikan Ekstrak)    | Normo                   | "Hipoksia 1D"           | " Hipoksia 7D"          | " Hipoksia 14D"        |
| vs.                                 | vs                      | vs,                     | vs,                     | vs,                    |
| Column A (Diberikan Ekstrak)        | Normo                   | "Hipoksia 1D"           | " Hipoksia 7D"          | " Hipoksia 14D"        |
| Unpaired t test                     |                         |                         |                         |                        |
| P                                   | 0,0005                  | <0,0001                 | 0,0002                  | <0,0001                |
| P summary                           | ***                     | ****                    | ***                     | ****                   |
| Significantly different (P < 0.05)? | Yes                     | Yes                     | Yes                     | Yes                    |
| One- or two-tailed P?               | Two-tailed              | Two-tailed              | Two-tailed              | Two-tailed             |
| t, df                               | "t=6,796 df=6"          | "t=13,5 df=6"           | "t=7,709 df=6"          | "t=10,53 df=6"         |
| How big is the difference?          |                         |                         |                         |                        |
| Mean ± SEM of column A              | "0,2523 ± 0,03642, n=4" | "0,4615 ± 0,02512, n=4" | "0,8275 ± 0,02321, n=4" | "1,156 ± 0,01237, n=4" |
| Mean ± SEM of column B              | "0,6048 ± 0,03693, n=4" | "0,8683 ± 0,01662, n=4" | "1,133 ± 0,03204, n=4"  | "1,499 ± 0,03015, n=4" |
| Difference between means            | "0,3525 ± 0,05187"      | "0,4068 ± 0,03012"      | "0,305 ± 0,03956"       | "0,343 ± 0,03258"      |
| 95% confidence interval             | "0,2256 to 0,4794"      | "0,3331 to 0,4804"      | "0,2082 to 0,4018"      | "0,2633 to 0,4227"     |
| R squared (eta squared)             | 0,885                   | 0,9681                  | 0,9083                  | 0,9486                 |
| F test to compare variances         |                         |                         |                         |                        |
| F, DFn, Dfd                         | "1,028, 3, 3"           | "2,284, 3, 3"           | "1,905, 3, 3"           | "5,943, 3, 3"          |
| P                                   | 0,9824                  | 0,5152                  | 0,6100                  | 0,1773                 |
| P summary                           | ns                      | ns                      | ns                      | ns                     |
| Significantly different (P < 0.05)? | No                      | No                      | No                      | No                     |

**LAMPIRAN 12 – Uji Korelasi *Pearson* Kadar MDA Darah dan Hati Tikus Yang Tidak Diberikan Ekstrak Daun Stroberi**

Tabel Kadar MDA Darah dan Hati Tikus Yang Tidak Diberikan Ekstrak Daun Stroberi

|                  | Kadar MDA Kontrol   |                    |
|------------------|---------------------|--------------------|
|                  | Kadar MDA Darah (y) | Kadar MDA Hati (x) |
| Normoksia        | 0,605               | 0,713              |
| Hipoksia 1 Hari  | 0,868               | 1,174              |
| Hipoksia 7 Hari  | 1,133               | 1,42               |
| Hipoksia 14 Hari | 1,499               | 1,687              |

Kadar MDA Darah dan Hati Tikus Yang Tidak Diberikan Ekstrak Daun Stroberi



Tabel Uji Korelasi *Pearson* antara Kadar MDA Darah dan Hati Tikus Yang Tidak Diberikan Ekstrak Daun Stroberi

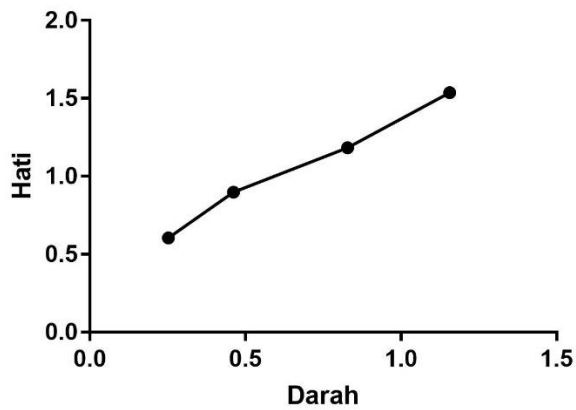
| Correlation Tabular Result  | Kadar MDA Darah dan Hati Tikus yang Tidak Diberikan Ekstrak Daun Stroberi |
|-----------------------------|---|
| Pearson r                   |   |
| r                           | 0,976   |
| 95% confidence interval     | 0,25 to 1   |
| R squared                   | 0,953   |
| P                           |   |
| P (two-tailed)              | 0,0235  |
| P summary                   | *   |
| Significant? (alpha = 0.05) | Yes   |
| Number of XY Pairs          | 4   |

**LAMPIRAN 13 – Uji Korelasi *Pearson* Kadar MDA Darah dan Hati Tikus Yang Diberikan Ekstrak Daun Stroberi**

Tabel Kadar MDA Darah dan Hati Tikus Yang Diberikan Ekstrak Daun Stroberi

|                  | Kadar MDA Kontrol   |                    |
|------------------|---------------------|--------------------|
|                  | Kadar MDA Darah (y) | Kadar MDA Hati (x) |
| Normoksia        | 0,252               | 0,604              |
| Hipoksia 1 Hari  | 0,462               | 0,897              |
| Hipoksia 7 Hari  | 0,828               | 1,183              |
| Hipoksia 14 Hari | 1,156               | 1,536              |

Kadar MDA Darah dan Hati Tikus Yang Diberikan Ekstrak Daun Stroberi

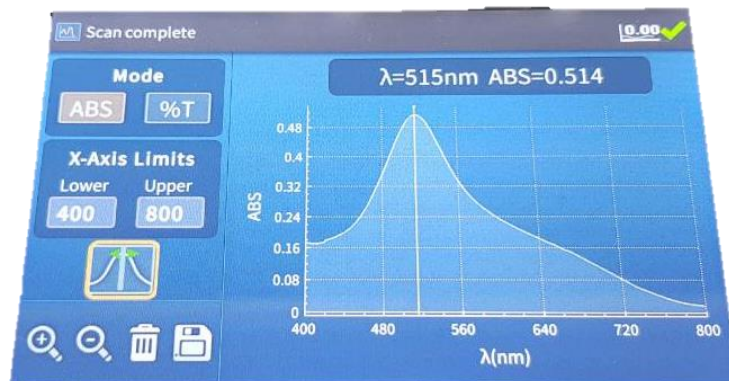


Tabel Uji Korelasi *Pearson* antara Kadar MDA Darah dan Hati Tikus Yang Diberikan Ekstrak Daun Stroberi

| Correlation Tabular Result  | Kadar MDA Darah dan Paru yang Tidak Diberikan Ekstrak Daun Stroberi |
|-----------------------------|---|
| Pearson r                   |   |
| r                           | 0,995   |
| 95% confidence interval     | 0,786 to 1  |
| R squared                   | 0,991   |
| P                           |   |
| P (two-tailed)              | 0,0047  |
| P summary                   | **  |
| Significant? (alpha = 0.05) | Yes   |
| Number of XY Pairs          | 4   |



## LAMPIRAN 14 – Panjang Gelombang Optimal dan Nilai Absorbansi Tertinggi Pemeriksaan DPPH



Gambar 1 : Panjang Gelombang Optimal dan Nilai Absorbansi Tertinggi

## LAMPIRAN 15 – Pembuatan Ekstrak Daun Stroberi



Pengeringan Daun Stroberi

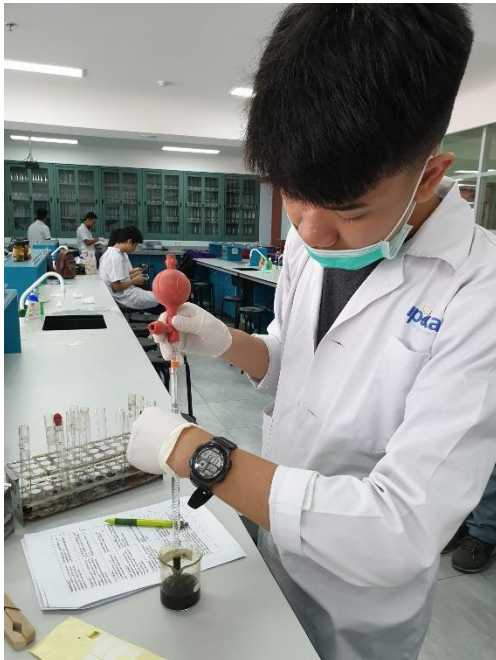


Maserasi



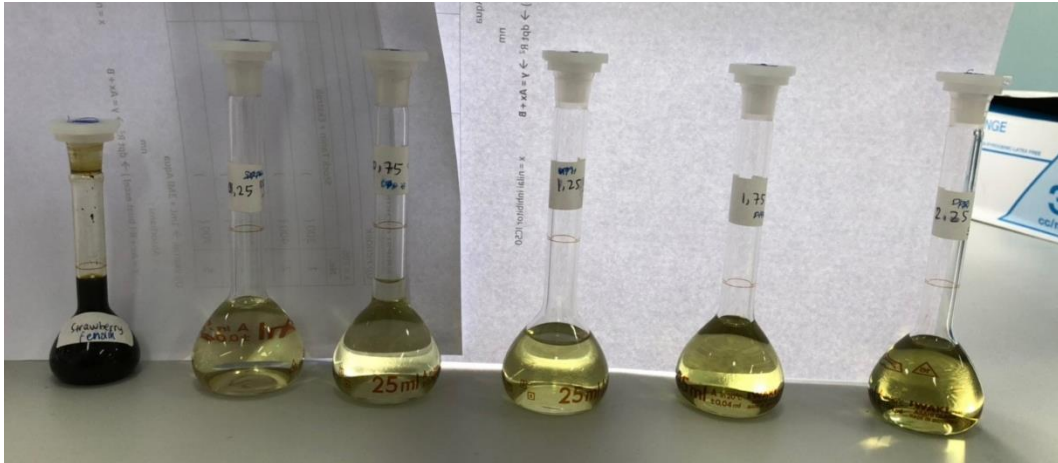
Evaporasi

### LAMPIRAN 16 – Pemeriksaan Senyawa Metabolit Sekunder Ekstrak Daun Stroberi



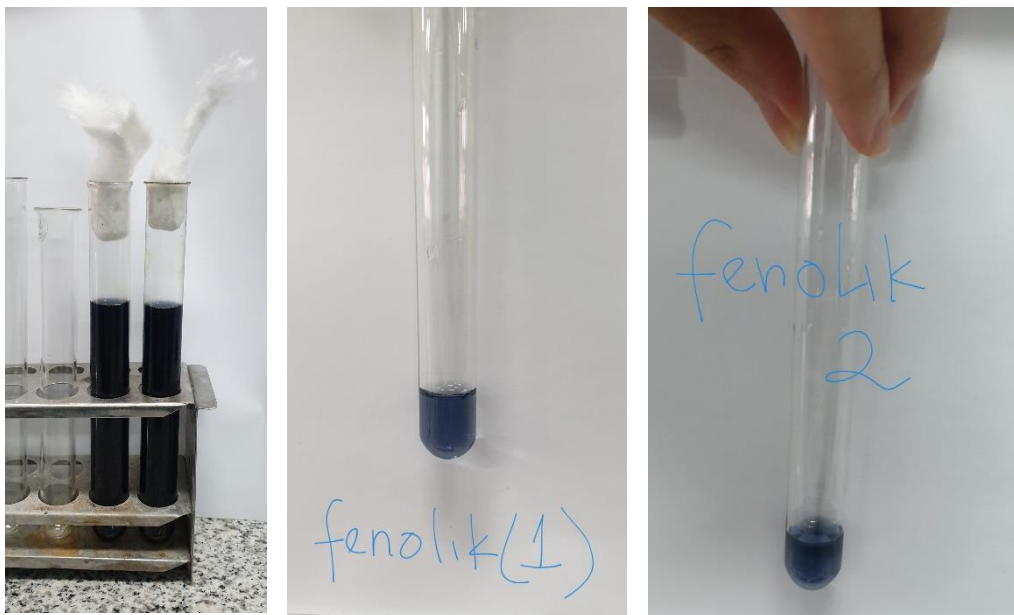
Proses Pemeriksaan Senyawa Metabolit Sekunder

### LAMPIRAN 17 – Pemeriksaan DPPH Ekstrak Daun Stroberi



Hasil Pemeriksaan DPPH

### LAMPIRAN 18 – Pemeriksaan Kadar Fenol Ekstrak Daun Stroberi



Hasil Pemeriksaan Fenolik

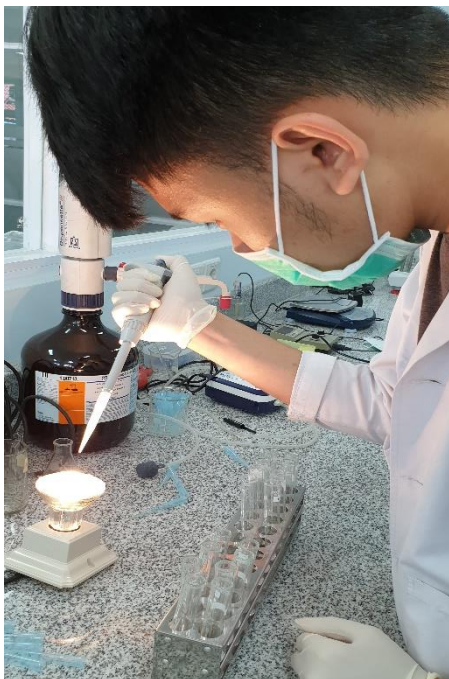


## LAMPIRAN 19 – Pemeriksaan Kadar Alkaloid Ekstrak Daun Stroberi



Hasil Pemeriksaan Alkaloid

## LAMPIRAN 20 – Uji Toksisitas



Proses Penghitungan Jumlah Larva



Pengaturan Alat Pemeriksaan BSLT



Hasil Pemeriksaan Toksisitas

## LAMPIRAN 21 – Peralatan Laboratorium



Laboratorium Biologi & Biokimia Molekuler



Timbangan Ohaus



Spektrofotometer *Genesys 30*



Alat Pengatur Gas & Tabung Gas



Alat Pengukur Kadar Oksigen di Udara





Persiapan Tempat Pembedahan



Peralatan Bedah

## DAFTAR RIWAYAT HIDUP

### A. Data Pribadi

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Status : Belum Menikah  
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