**Lampiran 1.** Hasil Identifikasi/ Determinasi Tumbuhan


**LEMBAGA ILMU PENGETAHUAN INDONESIA**
***(INDONESIAN INSTITUTE OF SCIENCES)***
**PUSAT PENELITIAN BIOLOGI**
***(RESEARCH CENTER FOR BIOLOGY)***
Cibinong Science Center, Jl. Raya Jakarta - Bogor KM. 46 Cibinong 16911
Telp. (+62 21) 87907636 - 87907604, Fax. 87907612
Website: www.biologi.lipi.go.id


Cibinong, 21 Juni 2016

Nomor : 1423/IPH.1.01/If.07/VI/2016
Lampiran : -
Perihal : *Hasil identifikasi/ determinasi Tumbuhan*

Kepada Yth.
Bpk./Ibu/Sdr(i). **Nikolaus Ronald Karmadi**
NIM : 405.14.083
Mhs. UNTAR
Fak. Kedokteran
Jl. Letjen S. Parman No.1
Jakarta Barat - 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 | Jamur Hitam Putih | *Auricularia nigricans* (Sw.) Birkebak, Looney & Sanchez-Garcia. Syn.*Auricularia polytricha* | Auriculariaceae |

Demikian, semoga berguna bagi Saudara.

Plh. Kepala Bidang Botani
Pusat Penelitian Biologi-LIPI,

Dr. Atik Retnowati
NIP. 197111152000032005

*D:\Ident 2016\Nikolaus Ronald K..doc\Atik R.-Atik R*

*Page 1 of 1*

**Lampiran 2.** Surat Persetujuan Etik

**KOMISI ETIK RISET**
**FAKULTAS KEDOKTERAN**
**UNIVERSITAS TRISAKTI**
**Jalan Kyai Tapa,Grogol, (Kampus B) Jakarta 11440**
**Telp: (021) 5672731,5655786**
**Fax : (021) 5660706**

**PERSETUJUAN ETIK**
***Ethical Clearance***
**Nomor: 112/KER/FK/I/2017**

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 INFUSA *Auricularia polytricha* TERHADAP KADAR ANTIOKSIDAN KATALASE PADA ORGAN OTAK DAN DARAH SISTEMIK TIKUS *Sprague dawley* DALAM KEADAAN HIPOKSIA SISTEMIK KRONIK"**

Peneliti Utama : Nikolaus Ronald Karnadi
Lembaga/Tempat penelitian : FK Universitas Tarumanagara

Dinyatakan memenuhi persyaratan etik untuk dilaksanakan.

Jakarta, 30 Januari 2017

Ketua
Prof.DR.dr.Adi Hidayat,MS

Sekretaris
dr.Alvina.SpPK

**Lampiran 3.** Data Absorban Standar GSH

| Standar GSH | Kadar GSH (µg/ml) | Absorban | | Rerata |
|---|---|---|---|---|
| | | A | B | |
| S1 | 0 | 0.021 | 0.017 | 0.019 |
| S2 | 1 | 0.039 | 0.044 | 0.042 |
| S3 | 2 | 0.099 | 0.097 | 0.098 |
| S4 | 3 | 0.135 | 0.137 | 0.136 |
| S5 | 4 | 0.173 | 0.169 | 0.171 |
| S6 | 5 | 0.208 | 0.212 | 0.210 |

Uji Regresi *linear* Absorban dan Kadar GSH Standar

| | |
|---|---|
| Best-fit values ± SE | |
| Slope | 0.03943 ± 0.00168 |
| Y-intercept | 0.0141 ± 0.005087 |
| X-intercept | -0.3575 |
| 1/slope | 25.36 |
| 95% Confidence Intervals | |
| Slope | 0.03476 to 0.04409 |
| Y-intercept | -2.884e-005 to 0.02822 |
| X-intercept | -0.7968 to 0.0006664 |
| Goodness of Fit | |
| R square | 0.9928 |
| Sy.x | 0.007029 |
| Is slope significantly non-zero? | |
| F | 550.7 |
| DFn, DFd | 1, 4 |
| P value | <0.0001 |
| Deviation from zero? | Significant |
| Equation | Y = 0.03943*X + 0.0141 |

**Lampiran 4.** Data Absorban dan Kadar GSH pada Hati Tikus *Sprague Dawley*

| | | Tikus | Absorbansi (Å) | Kadar (µg/mL) | Rata-rata Absorbansi | Rata-rata Kadar |
|---|---|---|---|---|---|---|
| Kontrol | Kental | 1 | 0,036 | 0,789 | 0,038 | 0,770 |
| | | 2 | 0,049 | 0,774 | | |
| | | 3 | 0,035 | 0,758 | | |
| | | 4 | 0,034 | 0,762 | | |
| | Encer | 1 | 0,025 | 0,621 | 0,023 | 0,647 |
| | | 2 | 0,024 | 0,654 | | |
| | | 3 | 0,021 | 0,636 | | |
| | | 4 | 0,022 | 0,677 | | |
| Hipoksia 1 Hari | Kental | 1 | 0,034 | 0,587 | 0,033 | 0,575 |
| | | 2 | 0,029 | 0,549 | | |
| | | 3 | 0,032 | 0,572 | | |
| | | 4 | 0,037 | 0,593 | | |
| | Encer | 1 | 0,023 | 0,487 | 0,022 | 0,481 |
| | | 2 | 0,022 | 0,475 | | |
| | | 3 | 0,024 | 0,493 | | |
| | | 4 | 0,022 | 0,469 | | |
| Hipoksia 3 Hari | Kental | 1 | 0,022 | 0,427 | 0,030 | 0,450 |
| | | 2 | 0,029 | 0,471 | | |
| | | 3 | 0,031 | 0,464 | | |
| | | 4 | 0,033 | 0,441 | | |
| | Encer | 1 | 0,023 | 0,343 | 0,020 | 0,347 |
| | | 2 | 0,019 | 0,357 | | |
| | | 3 | 0,021 | 0,329 | | |
| | | 4 | 0,020 | 0,362 | | |

**Lampiran 5.** Data Absorban dan Kadar GSH pada Darah Tikus *Sprague Dawley*

| Perlakuan | Tikus | Absorban | | Rerata Absorban | Kadar |
|---|---|---|---|---|---|
| | | A | B | | |
| P1 | 1 | 0.038 | 0.04 | 0.039 | 0.631 |
| | 2 | 0.041 | 0.045 | 0.043 | 0.733 |
| | 3 | 0.036 | 0.039 | 0.038 | 0.606 |
| | 4 | 0.039 | 0.042 | 0.041 | 0.682 |
| Rata – Rata | | | | 0.04 | 0.663 |
| P2 | 1 | 0.209 | 0.207 | 0.208 | 4.918 |
| | 2 | 0.209 | 0.209 | 0.209 | 4.943 |
| | 3 | 0.202 | 0.203 | 0.203 | 4.791 |
| | 4 | 0.206 | 0.0202 | 0.204 | 4.816 |
| Rata – Rata | | | | 0.206 | 4.867 |
| P3 | 1 | 0.178 | 0.177 | 0.178 | 4.157 |
| | 2 | 0.174 | 0.174 | 0.174 | 4.055 |
| | 3 | 0.179 | 0.181 | 0.18 | 4.207 |
| | 4 | 0.18 | 0.182 | 0.181 | 4.233 |
| Rata – Rata | | | | 0.178 | 4.163 |
| P4 | 1 | 0.177 | 0.182 | 0.18 | 4.207 |
| | 2 | 0.175 | 0.175 | 0.175 | 4.081 |
| | 3 | 0.173 | 0.17 | 0.172 | 4.005 |
| | 4 | 0.168 | 0.17 | 0.169 | 3.928 |
| Rata – Rata | | | | 0.174 | 4.055 |
| P5 | 1 | 0.139 | 0.141 | 0.14 | 3.193 |
| | 2 | 0.145 | 0.145 | 0.145 | 3.32 |
| | 3 | 0.14 | 0.14 | 0.14 | 3.193 |
| | 4 | 0.142 | 0.139 | 0.141 | 3.218 |
| Rata – Rata | | | | 0.142 | 3.231 |
| P6 | 1 | 0.16 | 0.16 | 0.16 | 3.7 |
| | 2 | 0.161 | 0.163 | 0.162 | 3.751 |
| | 3 | 0.167 | 0.163 | 0.165 | 3.827 |
| | 4 | 0.158 | 0.158 | 0.158 | 3.65 |
| Rata – Rata | | | | 0.161 | 3.732 |
| P7 | 1 | 0.133 | 0.137 | 0.135 | 3.066 |
| | 2 | 0.129 | 0.13 | 0.13 | 2.939 |
| | 3 | 0.131 | 0.131 | 0.131 | 2.965 |
| | 4 | 0.128 | 0.127 | 0.128 | 2.889 |
| Rata – Rata | | | | 0.131 | 2.965 |

**Lampiran 6.** Kadar GSH Darah Pemberian Dosis Kental dan Encer Tikus *Sprague Dawley*

### 6.1 Darah dosis kental

| | One-way ANOVA |
|---|---|
| Table Analyzed | data |
| Data sets analyzed | |
| ANOVA summary | |
| F | 1894 |
| P value | <0.0001 |
| P value summary | **** |
| Significant diff. among means (P < 0.05)? | Yes |
| R square | 0.9979 |

| Tukey's multiple comparisons test | Mean Diff. | 95.00% CI of diff. | Significant? | Summary | P Value | |
|---|---|---|---|---|---|---|
| P1 vs. P2 | -4.204 | -4.357 to -4.051 | **Yes** | **** | <0.0001 | A-B |
| P1 vs. P4 | -3.392 | -3.725 to -3.059 | **Yes** | **** | <0.0001 | A-C |
| P1 vs. P6 | -3.069 | -3.333 to -2.804 | **Yes** | **** | <0.0001 | A-D |
| P2 vs. P4 | 0.8116 | 0.6181 to 1.005 | **Yes** | *** | 0.0009 | B-C |
| P2 vs. P6 | 1.135 | 0.8551 to 1.415 | **Yes** | *** | 0.001 | B-D |
| P4 vs. P6 | 0.3234 | -0.009473 to 0.6562 | **No** | Ns | 0.054 | C-D |

| Test details | Mean 1 | Mean 2 | Mean Diff. | SE of diff. | n1 | n2 | Q | DF |
|---|---|---|---|---|---|---|---|---|
| P1 vs. P2 | 0.6632 | 4.867 | -4.204 | 0.0317 | 4 | 4 | 188 | 3 |
| P1 vs. P4 | 0.6632 | 4.055 | -3.392 | 0.06897 | 4 | 4 | 69.6 | 3 |
| P1 vs. P6 | 0.6632 | 3.732 | -3.069 | 0.05479 | 4 | 4 | 79.2 | 3 |
| P2 vs. P4 | 4.867 | 4.055 | 0.8116 | 0.0401 | 4 | 4 | 28.6 | 3 |
| P2 vs. P6 | 4.867 | 3.732 | 1.135 | 0.05799 | 4 | 4 | 27.7 | 3 |
| P4 vs. P6 | 4.055 | 3.732 | 0.3234 | 0.06897 | 4 | 4 | 6.63 | 3 |

## 6.2 Darah Dosis Encer

### Uji *Kruskal-Wallis* pada Darah Dosis Encer

| | |
|---|---|
| Kruskal-Wallis test | |
| P value | <0.0001 |
| Exact or approximate P value? | Exact |
| P value summary | **** |
| Do the medians vary signif. (P < 0.05)? | Yes |
| Number of groups | 4 |
| Kruskal-Wallis statistic | 14.14 |

### Uji *Mann-Whitney* Darah Encer

1. Perbandingan Kelompok P1 dan P3

| | |
|---|---|
| Mann Whitney test | |
| P value | 0.0286 |
| Exact or approximate P value? | Exact |
| P value summary | * |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| Sum of ranks in column A,B | 10 , 26 |
| Mann-Whitney U | 0 |

2. Perbandingan Kelompok P1 dan P5

| | |
|---|---|
| Mann Whitney test | |
| P value | 0.0286 |
| Exact or approximate P value? | Exact |
| P value summary | * |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| Sum of ranks in column A,B | 10 , 26 |
| Mann-Whitney U | 0 |

3. Perbandingan Kelompok P1 dan P7

| | |
|---|---|
| Mann Whitney test | |
| P value | 0.0286 |
| Exact or approximate P value? | Exact |
| P value summary | * |
| Significantly different (P < 0.05)? | Yes |

| | |
|---|---|
| One- or two-tailed P value? | Two-tailed |
| Sum of ranks in column A,B | 10 , 26 |
| Mann-Whitney U | 0 |

### 6.3 Uji *Holm-Sidak's multiple comparisons test* pada Darah Dosis Kental dan Encer

| Holm-Sidak's multiple comparisons test | Mean Diff. | Significant? | Summary | Adjusted P Value |
|---|---|---|---|---|
| kontrol (-) vs. kontrol (+) | -3.852 | Yes | ** | 0.0046 |
| kontrol (-) vs. hipoksia 1 hari | -2.98 | Yes | ** | 0.0082 |
| kontrol (-) vs. hipoksia 3 hari | -2.686 | Yes | ** | 0.0089 |
| kontrol (+) vs. hipoksia 1 hari | 0.872 | No | ns | 0.0964 |
| kontrol (+) vs. hipoksia 3 hari | 1.167 | No | ns | 0.0687 |
| hipoksia 1 hari vs. hipoksia 3 hari | 0.2945 | No | ns | 0.3592 |

**Lampiran 7.** Uji Normalitas pada Darah Dosis Kental dan Encer

### 7.1 Dosis Kental

| | | | | |
|---|---|---|---|---|
| Number of values | 4 | 4 | 4 | 4 |
| Minimum | 0.606 | 4.791 | 3.928 | 3.65 |
| 25% Percentile | 0.6123 | 4.797 | 3.947 | 3.663 |
| Median | 0.6565 | 4.867 | 4.043 | 3.726 |
| 75% Percentile | 0.7203 | 4.937 | 4.176 | 3.808 |
| Maximum | 0.733 | 4.943 | 4.207 | 3.827 |
| Mean | 0.663 | 4.867 | 4.055 | 3.732 |
| Std. Deviation | 0.05637 | 0.07473 | 0.1189 | 0.07557 |
| Std. Error of Mean | 0.02819 | 0.03737 | 0.05945 | 0.03779 |
| Lower 95% CI of mean | 0.5733 | 4.748 | 3.866 | 3.612 |
| Upper 95% CI of mean | 0.7527 | 4.986 | 4.244 | 3.852 |
| Sum | 2.652 | 19.47 | 16.22 | 14.93 |
| Shapiro-Wilk normality test | | | | |
| W | 0.9619 | 0.8801 | 0.985 | 0.9883 |
| P value | 0.7911 | 0.3391 | 0.9309 | 0.9486 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

**7.2 Dosis Encer**

| | | | | |
|---|---|---|---|---|
| Number of values | 4 | 4 | 4 | 4 |
| Minimum | 0.606 | 4.055 | 3.193 | 2.889 |
| 25% Percentile | 0.6123 | 4.081 | 3.193 | 2.902 |
| Median | 0.6565 | 4.182 | 3.206 | 2.952 |
| 75% Percentile | 0.7203 | 4.227 | 3.295 | 3.041 |
| Maximum | 0.733 | 4.233 | 3.32 | 3.066 |
| Mean | 0.663 | 4.163 | 3.231 | 2.965 |
| Std. Deviation | 0.05637 | 0.0786 | 0.06049 | 0.0745 |
| Std. Error of Mean | 0.02819 | 0.0393 | 0.03025 | 0.03725 |
| Lower 95% CI of mean | 0.5733 | 4.038 | 3.135 | 2.846 |
| Upper 95% CI of mean | 0.7527 | 4.288 | 3.327 | 3.083 |
| Sum | 2.652 | 16.65 | 12.92 | 11.86 |
| Shapiro-Wilk normality test | | | | |
| W | 0.9619 | 0.9209 | 0.7617 | 0.9529 |
| P value | 0.7911 | 0.5419 | 0.0494 | 0.7343 |
| Passed normality test (alpha=0.05)? | Yes | Yes | No | Yes |
| P value summary | Ns | ns | * | ns |

**Lampiran 8**. Kadar GSH Organ Pemberian Dosis Kental dan Encer Tikus *Sprague Dawley*

**8.1 Dosis Kental**

**8.1.1. Uji Statistik Anova**

| | |
|---|---|
| Table Analyzed | Organ kental |
| Data sets analyzed | |
| ANOVA summary | |
| F | 783.1 |
| P value | <0.0001 |
| P value summary | **** |
| Significant diff. among means (P < 0.05)? | Yes |
| R square | 0.9949 |

### 8.1.2. Uji *Tukey's multiple comparisons test*

| Tukey's multiple comparisons test | Mean Diff. | 95.00% CI of diff. | Significant ? | Summary | Adjusted P Value | |
|---|---|---|---|---|---|---|
| P1 vs. P2 | -0.6268 | -0.6662 to -0.5873 | Yes | **** | <0.0001 | A-B |
| P1 vs. P4 | -0.4313 | -0.4707 to -0.3918 | Yes | **** | <0.0001 | A-C |
| P1 vs. P6 | -0.3068 | -0.3462 to -0.2673 | Yes | **** | <0.0001 | A-D |
| P2 vs. P4 | -0.1955 | 0.1561 to 0.2349 | Yes | **** | <0.0001 | B-C |
| P2 vs. P6 | 0.32 | 0.2806 to 0.3594 | Yes | **** | <0.0001 | B-D |
| P4 vs. P6 | 0.1245 | 0.08507 to 0.1639 | Yes | **** | <0.0001 | C-D |

### 8.1.3. Uji Normalitas *Shapiro-Wilk*

| | | | | |
|---|---|---|---|---|
| Number of values | 4 | 4 | 4 | 4 |
| Minimum | 0.119 | 0.758 | 0.549 | 0.427 |
| 25% Percentile | 0.1238 | 0.759 | 0.5548 | 0.4305 |
| Median | 0.145 | 0.768 | 0.5795 | 0.4525 |
| 75% Percentile | 0.1633 | 0.7853 | 0.5915 | 0.4693 |
| Maximum | 0.167 | 0.789 | 0.593 | 0.471 |
| Mean | 0.144 | 0.7708 | 0.5753 | 0.4508 |
| Std. Deviation | 0.02045 | 0.01394 | 0.0196 | 0.02037 |
| Std. Error of Mean | 0.01022 | 0.006969 | 0.009801 | 0.01018 |
| Lower 95% CI of mean | 0.1115 | 0.7486 | 0.5441 | 0.4183 |
| Upper 95% CI of mean | 0.1765 | 0.7929 | 0.6064 | 0.4832 |
| Sum | 0.576 | 3.083 | 2.301 | 1.803 |
| Shapiro-Wilk normality test | | | | |
| W | 0.9947 | 0.9317 | 0.9296 | 0.9323 |
| P value | 0.9800 | 0.6044 | 0.5919 | 0.6078 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

## 8.2 Dosis Encer

### 8.2.1. Uji Statistik *Anova*

| | | | | |
|---|---|---|---|---|
| Table Analyzed | Organ encer | | | |
| Data sets analyzed | A : P1 | B : P3 | C : P5 | D : P7 |
| ANOVA summary | | | | |
| F | 539.9 | | | |
| P value | <0.000 1 | | | |
| P value summary | **** | | | |
| Significant diff. among means (P < 0.05)? | Yes | | | |
| R square | 0.9926 | | | |

### 8.2.2. Uji *Tukey's multiple comparisons test*

| Tukey's multiple comparisons test | Mean Diff. | 95.00% CI of diff. | Significant? | Summary | Adjusted P Value | |
|---|---|---|---|---|---|---|
| P1 vs. P3 | -0.503 | -0.5414 to -0.4646 | Yes | **** | <0.0001 | A-B |
| P1 vs. P5 | -0.337 | -0.3754 to -0.2986 | Yes | **** | <0.0001 | A-C |
| P1 vs. P7 | -0.2038 | -0.2422 to -0.1653 | Yes | **** | <0.0001 | A-D |
| P3 vs. P5 | 0.166 | 0.1276 to 0.2044 | Yes | **** | <0.0001 | B-C |
| P3 vs. P7 | 0.2993 | 0.2608 to 0.3377 | Yes | **** | <0.0001 | B-D |
| P5 vs. P7 | 0.1333 | 0.09481 to 0.1717 | Yes | **** | <0.0001 | C-D |

### 8.2.3 Uji Normalitas *Shapiro-Wilk*

| | | | | |
|---|---|---|---|---|
| Number of values | 4 | 4 | 4 | 4 |
| Minimum | 0.119 | 0.621 | 0.469 | 0.329 |
| 25% Percentile | 0.1238 | 0.6248 | 0.4705 | 0.3325 |
| Median | 0.145 | 0.645 | 0.481 | 0.35 |
| 75% Percentile | 0.1633 | 0.6713 | 0.4915 | 0.3608 |
| Maximum | 0.167 | 0.677 | 0.493 | 0.362 |
| Mean | 0.144 | 0.647 | 0.481 | 0.3478 |
| Std. Deviation | 0.02045 | 0.02412 | 0.01095 | 0.01486 |
| Std. Error of Mean | 0.01022 | 0.01206 | 0.005477 | 0.007432 |
| Lower 95% CI of mean | 0.1115 | 0.6086 | 0.4636 | 0.3241 |
| Upper 95% CI of mean | 0.1765 | 0.6854 | 0.4984 | 0.3714 |
| Sum | 0.576 | 2.588 | 1.924 | 1.391 |
| Shapiro-Wilk normality test | | | | |
| W | 0.9947 | 0.9855 | 0.9497 | 0.9437 |
| P value | 0.9800 | 0.9334 | 0.7143 | 0.6769 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

**Lampiran 9.** Uji Korelasi *Pearson* antara Darah dan Organ Hati pada Tikus *Sprague Dawley*

### 9.1 Dosis Kental

| | Darah vs. Organ hati |
|---|---|
| Pearson r | |
| R | 0.9745 |
| 95% confidence interval | 0.2109 to 0.9995 |
| R squared | 0.9496 |
| P value | |
| P (two-tailed) | 0.0255 |
| P value summary | * |
| Significant? (alpha = 0.05) | Yes |
| Number of XY Pairs | 4 |

**9.2 Dosis Encer**

| | |
|---|---|
| Pearson r | |
| R | 0.9367 |
| 95% confidence interval | -0.2446 to 0.9987 |
| R squared | 0.8774 |
| P value | |
| P (two-tailed) | 0.0633 |
| P value summary | Ns |
| Significant? (alpha = 0.05) | No |
| Number of XY Pairs | 4 |

**Lampiran 10.** Dokumentasi Laboratorium

Pembedahan pada Tikus

Perendaman Jamur *Auricularia polytricha*

Proses Perebusan Jamur *Auricularia polytricha*


Obat Anestesi


*Tissue Grinder (Homogenizer)* Wheaton Science, Millville, NJ-USA.


Alat sentrifugasi berkecepatan tinggi, model 20PR-5, Hitachi – Jepang

*Micropipette*

Perlakuan Hipoksia 1 hari dan 3 hari di dalam *Hypoxia Chamber*

Spektrofotometer UV

## DAFTAR RIWAYAT HIDUP

A. Data Pribadi

| | | |
|---|---|---|
| 1. | Nama | : Melani Nugraha |
| 2. | NIM | : 405140036 |
| 3. | Jenis Kelamin | : Perempuan |
| 4. | Tempat, Tanggal Lahir | : Jakarta, 22 Mei 1996 |
| 5. | Agama | : Katolik |
| 6. | Status | : Belum Menikah |
| 7. | Pendidikan Terakhir | : SMA |
| 8. | Alamat | : Jl. Aria Putra No. 54 |
| 9. | No. Telpon | : 085780739567 |
| 10. | Email | : Melaninugraha@gmail.com |

B. Data Pendidikan

| | | |
|---|---|---|
| 1. | 2002 – 2008 | : SD Taruna Bangsa |
| 2. | 2008 – 2011 | : SMP Bintang Kejora |
| 3. | 2011 – 2014 | : SMAK Mater Dei Pamulang |
| 4. | 2014- Sekarang | : Fakultas Kedokteran Universitas Tarumanagara |