

## DAFTAR PUSTAKA

1. Yunarto, N., Elya, B., dkk., 2015, “**Potensi Fraksi Etil Asetat Ekstrak Daun Gambir (*Uncaria gambir* Roxb.) sebagai Antihiperlipidemia**”, *Jurnal Kefarmasian Indonesia*, Vol. 5 (1), Hlm. 1-10.
2. Rahmawati, Y.W., Ulfa, E.U., dkk., 2016, “**Pengaruh Ekstrak Metanol Daun Kayu Kuning ( *Arcangelisia flava* ( L .) Merr .) terhadap Kadar Kolesterol Total dan Trigliserida Tikus Hiperlipidemia**”, *e-Jurnal Pustaka Kesehatan*, Vol. 4 (1), Hlm. 20-26.
3. “**Bawang Dayak**”, [http://www.herbalanugrahalam.com/Litelatur\\_Tanaman\\_Obat/BawangDayakBawangSabrangBawangBerlian%26nbsp%3BEleutherine\\_american Merr](http://www.herbalanugrahalam.com/Litelatur_Tanaman_Obat/BawangDayakBawangSabrangBawangBerlian%26nbsp%3BEleutherine_american Merr), diakses 07 Desember 2015.
4. Raga, Y.P., Haryati, Dkk., 2012, “**Respon Pertumbuhan dan Hasil Bawang Sabrang (*Eleutherine americana* Merr.) pada beberapa jarak tanam dan berbagai tingkat pemotongan umbi bibit**”, *Jurnal Online Agroetnologi*, Vol. 1 (1), Hlm. 159-171.
5. Insanu, M., Kusmardiyan, S., et. all., 2014, “**Recent studies on Phytochemical and Pharmacological Effect of Eleutherine Americana Merr**”, *Procedia chemistry*, Vol.13, p. 1-9.
6. Hardman, J.G., and Limbird, L.E., 2012, “**Goodman and Gilman Dasar Farmakologi Terapi**”, Tim alih bahasa sekolah Farmasi ITB, Edisi X, Jakarta, Hlm. 943-968.
7. Mansjoer, A., Dkk., 2001, “**Kapita Selekta Kedokteran**”, Edisi III, Jilid I, Media Aesculapius, Fakultas Kedokteran UI, Jakarta, Hlm. 591-593.
8. Price, S. A., and C. W, Lorraine., 1995, “**Patofisiologi : Konsep Klinis Proses-Proses Penyakit**”, Edisi IV, Terjemahan P. Anugrah, Penerbit EGC, Jakarta, Hlm. 531-533.

9. Anonim, 1995, "**Farmakologi dan Terapi**", Edisi IV, Bagian Farmakologi Fakultas Kedokteran Universitas Indonesia, Jakarta, Hlm. 318-354
10. Dipiro, J.T., 2005. "**Pharmacotherapy: A Pathophysiologic Approach**", 6th Edition, The McGraw-Hill Companies Inc, United States of America, p. 429-449.
11. Guyton, A.C., and Hall, J.E., 2007, "**Buku Ajar Fisiologi Kedokteran**", Edisi XI, terjemahan Irawati, Buku Kedokteran EGC, Jakarta, Hlm. 983.
12. Wirahadikusumah. M., 1985, "**Biokimia Metabolisme Karbohidrat dan Lipid**", Institut Teknologi Bandung, Bandung, Hlm. 119-182.
13. Tjay, T.H., dan Raharjo, K., 2000, "**Obat-obat Penting, Khasiat, Penggunaan dan Efek-efek Sampingnya**", PT. Elek Media Komputindo Gramedia, Jakarta, Hlm. 569-583.
14. Lehninger, 1982, "**Dasar-dasar Biokimia**", Jilid I, terjemahan Meggy Thenawijaya, Erlangga, Jakarta, Hlm. 341-348.
15. Tjokronegoro, J., dan Hendra, U., 1996, "**Buku Ajar Ilmu Penyakit Dalam**" Jilid I, Edisi III, Balai Penerbit Buku FKUI, Jakarta, Hlm. 715, 762-764.
16. Sukandar, Elin Yulinah, A., Retnosari, Dkk., "**ISO Farmakoterapi**", PT. ISFI Penerbitan, Jakarta, Hlm. 354-371.
17. Depkes RI, 2009, "**Farmakope Herbal Indonesia**", Departemen Kesehatan Republik Indonesia, Jakarta, Hlm. 169-172.
18. Depkes RI, 2000, "**Parameter Standar Umum Ekstrak Tumbuhan Obat**", Cetakan I, Departemen Kesehatan Republik Indonesia, Jakarta, Hlm. 9-31.
19. Schunak, W., 1990, "**Senyawa Obat**", Edisi II, Gadjah Mada University Press, Yogyakarta, Hlm. 558.

20. Hardiningsih, R., dan Nurhidayat, N., 2006, **“Pengaruh Pemberian Pakan Hiperkolesterolemia terhadap Bobot Badan Tikus Putih Wistar yang Diberi Bakteri Asam Laktat”**, *Biodiversitas*, No. 7, Hlm. 127-130.
21. Das, A.K., Thomas, R., et. all., 2009, **“Effect of Different Fats on the Quality of Goat Meat Patties Incorporated with FullFat Soy Paste”**, *J. of Muscle Foods*, No. 20, p. 37-53.
22. Harini, M., and Astirin, O.P., 2009, **“Blood cholesterol levels of hypercholesterolemic rat (*Rattus norvegicus*) after VCO treatment”**, *Nusantara Bioscience*, No. 1, p. 53-58.
23. Ika, Fikriah., 2005, **“Pengaruh Curcumin Terhadap Kadar Kolesterol Total, LDL-Kolesterol, Jumlah F-ISOPROSTAN, dan Sel Busa (FOAM CELL) Dinding Aorta Pada Tikus Dengan Diet Aterogenik”**, *Jurnal Kedokteran Brawijaya*, Vol. XXI, No.2, Hlm. 55-61.
24. Arief, M., Novriansyah, N., Dkk., 2012, **“Potensi Bunga Karimunting (*Melastoma malabathricum* L.) Terhadap Kadar Kolesterol Total dan Trigliserida pada Tikus Putih Jantan Hiperlipidemia yang diinduksi Propiltiourasil”**, *Prestasi*, I (2), Hlm. 118-126.

## LAMPIRAN 1

### TANAMAN UJI



Gambar 5.6 Tanaman Bawang Dayak (*Eleutherine palmifolia* Merr)

## LAMPIRAN 2

### DETERMINASI TANAMAN



**INSTITUT TEKNOLOGI BANDUNG**  
**SEKOLAH ILMU DAN TEKNOLOGI HAYATI**  
 Jalan Ganesha 10 Bandung 40132, Telp: (022) 251 1575, 250 0258, Fax (022) 253 4107  
 e-mail : sith@itb.ac.id http://www.sith.itb.ac.id

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Nomor : 762/II.CO2.2/PL/2016. 29 Februari 2016.  
 Hal : Determinasi tumbuhan

Kepada yth.  
 Wakil Dekan I  
 Fakultas Matematika dan Ilmu Pengetahuan Alam  
 Universitas Garut  
 Jalan Jati 42 B, Tarogong Kaler  
 Garut

Memperhatikan surat permintaan Saudara dalam surat No. 082/F.MIPA-UNIGA/II/2016. tanggal 22 Februari 2016 mengenai determinasi tumbuhan, dengan ini kami sampaikan bahwa setelah dilakukan determinasi oleh staf kami, sampel tumbuhan bawang dayak yang dibawa oleh Sdr. Aditya Siswanto (NPM : 24041315283), adalah :

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Divisi               | : Magnoliophyta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Kelas                | : Liliopsida ( Monocots )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Anak kelas           | : Liliidae                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Bangsa               | : Liliales                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Nama suku / familia  | : Iridaceae                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Nama jenis / species | : <i>Eleutherine palmifolia</i> (L.) Merr.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sinonim              | : <i>Eleutherine americana</i> (Aubl.) Merr.<br><i>Eleutherine plicata</i> Herb.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Nama umum            | : Bawang kapal (Indonesia), Babawangan beureum, bawang sabrang (Sunda), brambang sabrang (Jawa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Buku acuan           | : 1. Backer., C.A. & Bakhuizen van den Brink, Jr., R.C. 1968. Flora of Java Volume III. Wolters- Noordhoff N.V., Groningen, the Netherland. pp. 150 .<br>2. Ogata, Y. <i>et al.</i> (Committee Members) Medicinal Herb Index In ndonesia (Second Edition) .PT. Eisai Indonesia, Jakarta. pp. 287<br>3. Geerinck, D.J.L. 1977. Iridaceae. In : van Steenis C.G.G.J. (General Editor). Flora Malesiana. Series I – Spermatophyta Flowering Plants. Vol. 8, part 2 Revision. pp. 77 – 84.<br>4. Cronquist, A. 1981. An Integrated System of Classification of Flowering Plants, Columbia Press, New York. pp. Xiii - XViii |

Demikian yang kami sampaikan. Atas perhatian dan kerjasama yang diberikan, kami ucapkan terima kasih.

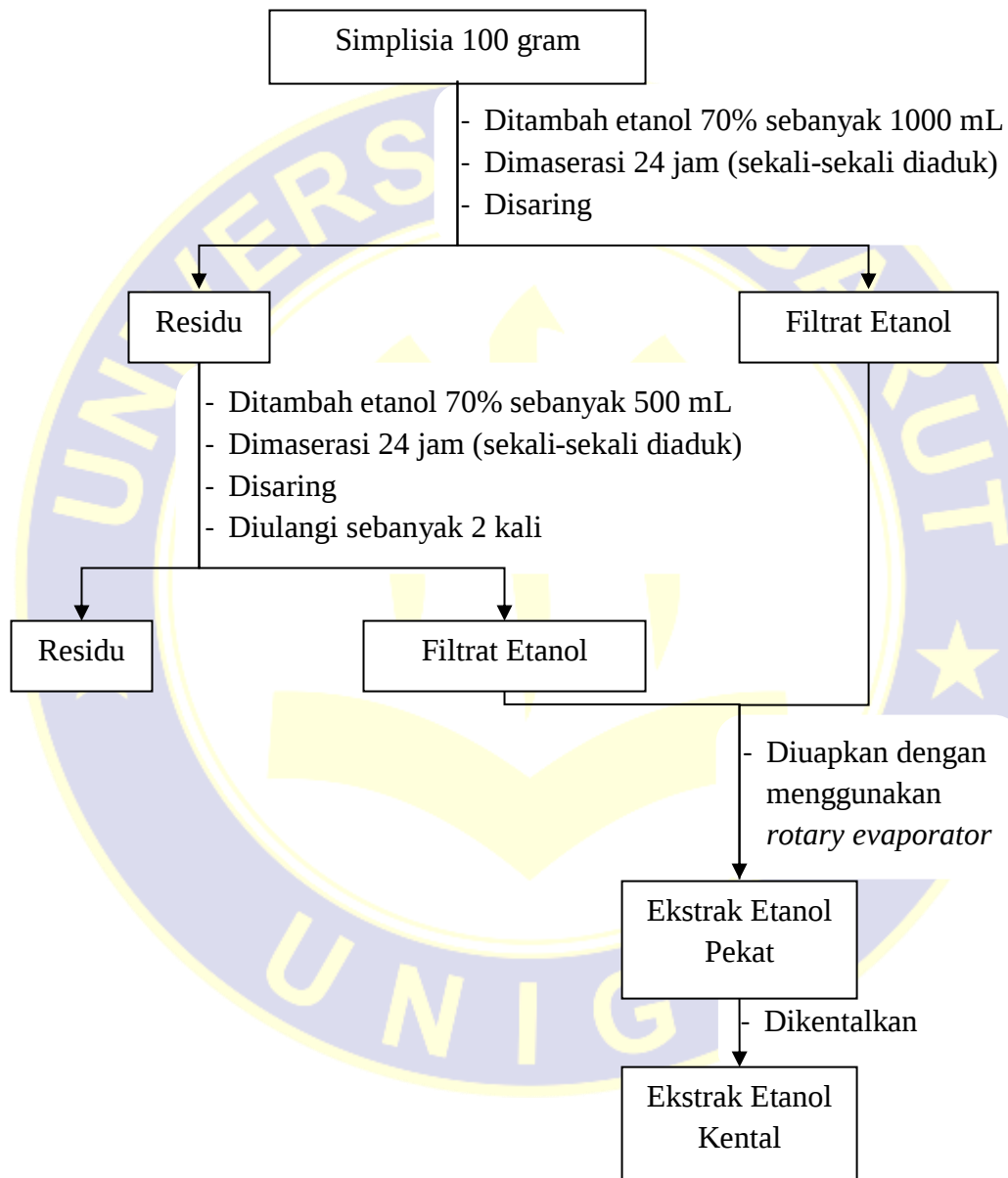
  
 W. Irwanti  
 Wakil Dekan Bidang Sumber Daya  
 NPM 196205071988032001

Tembusan:  
 Dekan SITH ITB, sebagai laporan.

Gambar 5.7 Determinasi tanaman bawang dayak

## LAMPIRAN 3

## EKSTRAKSI



Gambar 5.8 Skema ekstraksi umbi bawang dayak

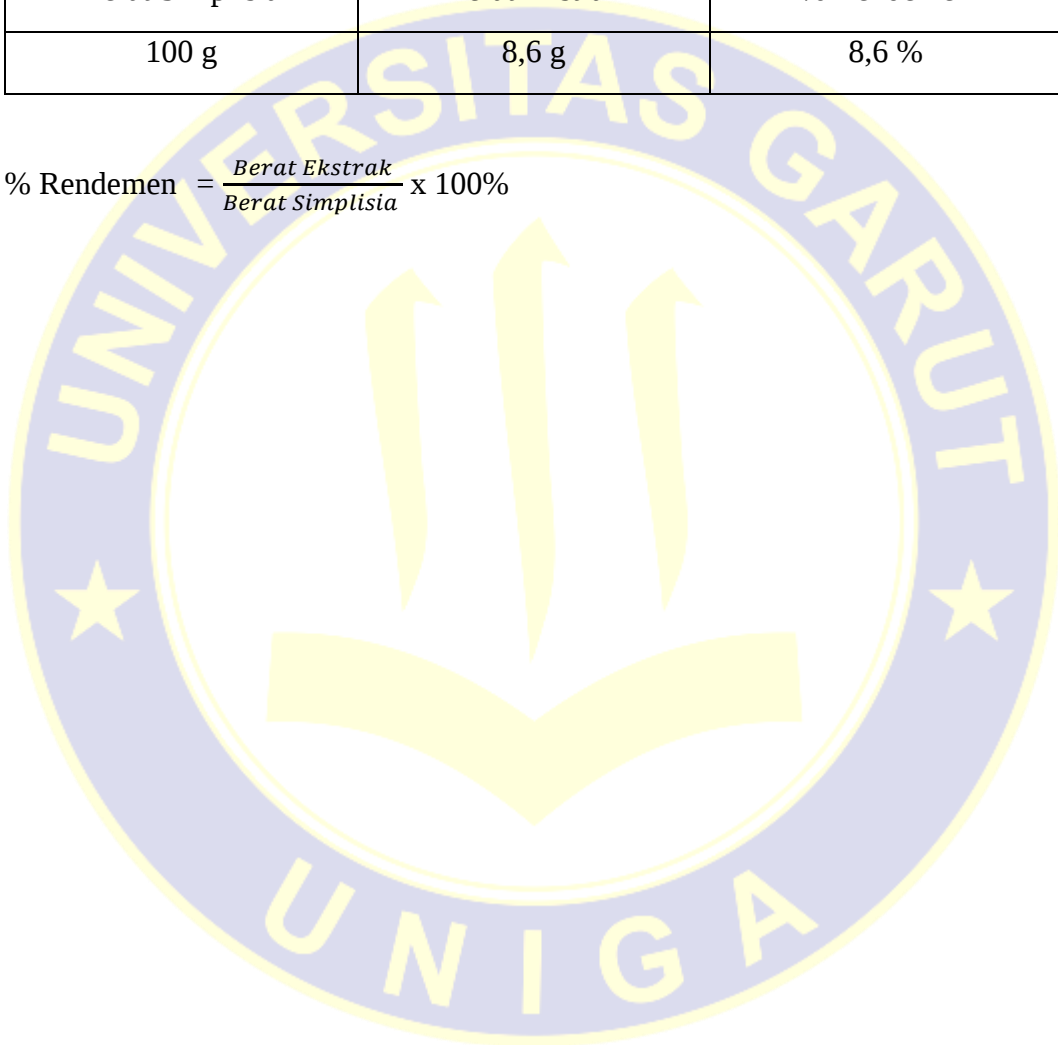
**LAMPIRAN 4**  
**HASIL RENDEMEN EKSTRAK**

**Tabel 5.15**

Perhitungan Rendemen Ekstrak Etanol Umbi Bawang Dayak

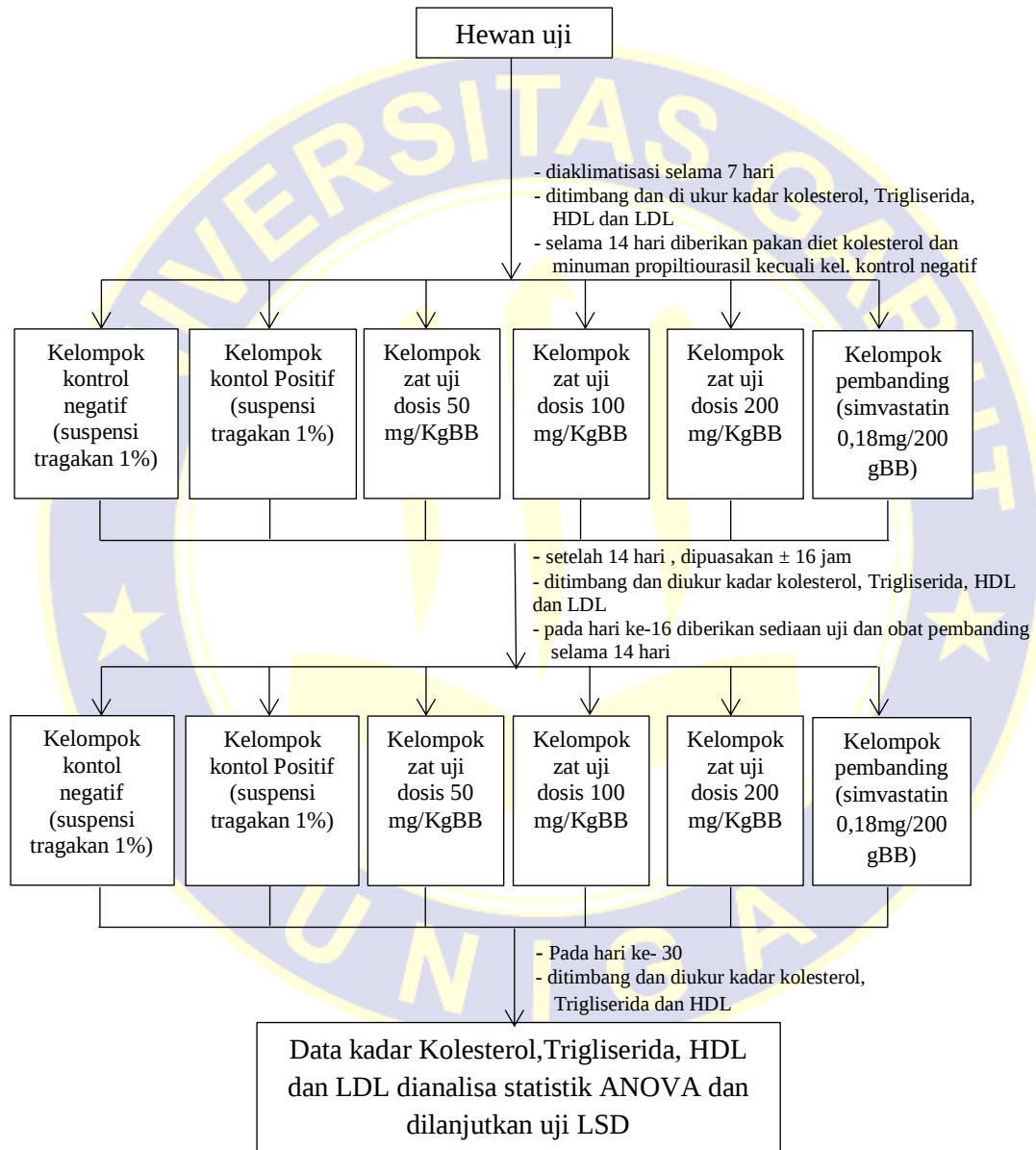
| Berat Simplisia | Berat Ekstrak | % Rendemen |
|-----------------|---------------|------------|
| 100 g           | 8,6 g         | 8,6 %      |

$$\% \text{ Rendemen} = \frac{\text{Berat Ekstrak}}{\text{Berat Simplisia}} \times 100\%$$



## LAMPIRAN 5

## UJI AKTIVITAS ANTIHIPERLIPIDEMIA



Gambar 5.9 Skema uji efek antihiperlipidemia dengan metode eksogen dan Endogen

## LAMPIRAN 5

(LANJUTAN)

Tabel 5.16

Bobot Badan Hewan Uji Pada Hari Pengamatan

| Kelompok Perlakuan       | No        | Bobot badan hewan uji sesudah induksi (gram) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|--------------------------|-----------|----------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                          |           | H0                                           | H1     | H2     | H3     | H4     | H5     | H6     | H7     | H8     | H9     | H10    | H11    | H12    | H13    | H14    |
| Kontrol negatif          | 1         | 228                                          | 236    | 236    | 237    | 241    | 236    | 227    | 230    | 228    | 225    | 226    | 225    | 232    | 232    | 230    |
|                          | 2         | 238                                          | 238    | 235    | 238    | 241    | 235    | 242    | 238    | 239    | 242    | 249    | 255    | 253    | 251    | 256    |
|                          | 3         | 263                                          | 263    | 271    | 274    | 267    | 274    | 266    | 267    | 272    | 276    | 279    | 277    | 276    | 282    | 283    |
|                          | Rata-rata | 243,00                                       | 245,67 | 247,33 | 249,67 | 249,67 | 248,33 | 245,00 | 245,00 | 246,33 | 247,67 | 251,33 | 252,33 | 253,67 | 255,00 | 256,33 |
|                          | SD        | 18,03                                        | 15,04  | 20,50  | 21,08  | 15,01  | 22,23  | 19,67  | 19,47  | 22,90  | 25,97  | 26,58  | 26,10  | 22,01  | 25,24  | 26,50  |
| Kontrol positif          | 1         | 282                                          | 285    | 287    | 282    | 280    | 289    | 286    | 287    | 284    | 280    | 286    | 290    | 302    | 299    | 306    |
|                          | 2         | 290                                          | 282    | 283    | 280    | 286    | 287    | 287    | 287    | 286    | 291    | 292    | 305    | 302    | 303    | 306    |
|                          | 3         | 307                                          | 285    | 274    | 276    | 278    | 282    | 281    | 278    | 278    | 275    | 281    | 280    | 286    | 285    | 287    |
|                          | Rata-rata | 293,00                                       | 284,00 | 281,33 | 279,33 | 281,33 | 286,00 | 284,67 | 284,00 | 282,67 | 282,00 | 286,33 | 291,67 | 296,67 | 295,67 | 299,67 |
|                          | SD        | 12,77                                        | 1,73   | 6,66   | 3,06   | 4,16   | 3,61   | 3,21   | 5,20   | 4,16   | 8,19   | 5,51   | 12,58  | 9,24   | 9,45   | 10,97  |
| Simvastatin 0,18mg/200 g | 1         | 232                                          | 235    | 244    | 238    | 243    | 252    | 250    | 246    | 247    | 241    | 247    | 252    | 263    | 251    | 257    |
|                          | 2         | 231                                          | 230    | 226    | 232    | 233    | 235    | 235    | 233    | 230    | 236    | 241    | 246    | 238    | 235    | 234    |
|                          | 3         | 254                                          | 244    | 242    | 245    | 246    | 243    | 247    | 242    | 246    | 249    | 259    | 256    | 258    | 261    | 260    |
|                          | Rata-rata | 239,00                                       | 236,33 | 237,33 | 238,33 | 240,67 | 243,33 | 244,00 | 240,33 | 241,00 | 242,00 | 249,00 | 251,33 | 253,00 | 249,00 | 250,33 |
|                          | SD        | 13,00                                        | 7,09   | 9,87   | 6,51   | 6,81   | 8,50   | 7,94   | 6,66   | 9,54   | 6,56   | 9,17   | 5,03   | 13,23  | 13,11  | 14,22  |

## LAMPIRAN 5

(LANJUTAN)

Tabel 5.16

(lanjutan)

| Kelompok Perlakuan | No               | Berat badan hewan uji sesudah induksi (gram) |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|--------------------|------------------|----------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                    |                  | H0                                           | H1            | H2            | H3            | H4            | H5            | H6            | H7            | H8            | H9            | H10           | H11           | H12           | H13           | H14           |
| Dosis 50 mg/kgbb   | 1                | 276                                          | 279           | 281           | 279           | 275           | 276           | 272           | 273           | 273           | 277           | 285           | 278           | 293           | 289           | 291           |
|                    | 2                | 264                                          | 270           | 267           | 253           | 258           | 252           | 253           | 262           | 260           | 267           | 261           | 263           | 268           | 270           | 266           |
|                    | 3                | 270                                          | 265           | 265           | 262           | 256           | 251           | 252           | 254           | 256           | 254           | 263           | 263           | 265           | 266           | 264           |
|                    | <b>Rata-rata</b> | <b>270,00</b>                                | <b>271,33</b> | <b>271,00</b> | <b>264,67</b> | <b>263,00</b> | <b>259,67</b> | <b>259,00</b> | <b>263,00</b> | <b>263,00</b> | <b>266,00</b> | <b>269,67</b> | <b>268,00</b> | <b>275,33</b> | <b>275,00</b> | <b>273,67</b> |
|                    | <b>SD</b>        | <b>6,00</b>                                  | <b>7,09</b>   | <b>8,72</b>   | <b>13,20</b>  | <b>10,44</b>  | <b>14,15</b>  | <b>11,27</b>  | <b>9,54</b>   | <b>8,89</b>   | <b>11,53</b>  | <b>13,32</b>  | <b>8,66</b>   | <b>15,37</b>  | <b>12,29</b>  | <b>15,04</b>  |
| Dosis 100 mg/kgbb  | 1                | 263                                          | 275           | 272           | 272           | 262           | 264           | 255           | 259           | 256           | 262           | 270           | 262           | 269           | 264           | 273           |
|                    | 2                | 269                                          | 274           | 272           | 265           | 264           | 254           | 254           | 254           | 257           | 269           | 262           | 269           | 262           | 269           | 264           |
|                    | 3                | 255                                          | 258           | 254           | 253           | 248           | 242           | 238           | 243           | 250           | 247           | 259           | 247           | 257           | 259           | 254           |
|                    | <b>Rata-rata</b> | <b>262,33</b>                                | <b>269,00</b> | <b>266,00</b> | <b>263,33</b> | <b>258,00</b> | <b>253,33</b> | <b>249,00</b> | <b>252,00</b> | <b>254,33</b> | <b>259,33</b> | <b>263,67</b> | <b>259,33</b> | <b>262,67</b> | <b>264,00</b> | <b>263,67</b> |
|                    | <b>SD</b>        | <b>7,02</b>                                  | <b>9,54</b>   | <b>10,39</b>  | <b>9,61</b>   | <b>8,72</b>   | <b>11,02</b>  | <b>9,54</b>   | <b>8,19</b>   | <b>3,79</b>   | <b>11,24</b>  | <b>5,69</b>   | <b>11,24</b>  | <b>6,03</b>   | <b>5,00</b>   | <b>9,50</b>   |
| Dosis 200 mg/kgbb  | 1                | 282                                          | 292           | 295           | 295           | 285           | 285           | 282           | 284           | 283           | 285           | 292           | 288           | 298           | 293           | 299           |
|                    | 2                | 272                                          | 275           | 273           | 265           | 265           | 260           | 255           | 255           | 260           | 266           | 262           | 270           | 266           | 269           | 268           |
|                    | 3                | 303                                          | 300           | 300           | 298           | 286           | 285           | 286           | 285           | 294           | 292           | 301           | 296           | 300           | 304           | 306           |
|                    | <b>Rata-rata</b> | <b>285,67</b>                                | <b>289,00</b> | <b>289,33</b> | <b>286,00</b> | <b>278,67</b> | <b>276,67</b> | <b>274,33</b> | <b>274,67</b> | <b>279,00</b> | <b>281,00</b> | <b>285,00</b> | <b>284,67</b> | <b>288,00</b> | <b>288,67</b> | <b>291,00</b> |
|                    | <b>SD</b>        | <b>15,82</b>                                 | <b>12,77</b>  | <b>14,36</b>  | <b>18,25</b>  | <b>11,85</b>  | <b>14,43</b>  | <b>16,86</b>  | <b>17,04</b>  | <b>17,35</b>  | <b>13,45</b>  | <b>20,42</b>  | <b>13,32</b>  | <b>19,08</b>  | <b>17,90</b>  | <b>20,22</b>  |

**LAMPIRAN 5**  
**(LANJUTAN)**

**Tabel 5.17**

Kadar Kolesterol Total pada Hewan Uji

| Kelompok                         | No               | Kadar Kolesterol total (mg/dL) |               |               |
|----------------------------------|------------------|--------------------------------|---------------|---------------|
|                                  |                  | H0                             | H14           | H28           |
| Kontrol Negatif                  | 1                | 67,00                          | 71,03         | 69,02         |
|                                  | 2                | 72,04                          | 70,03         | 69,52         |
|                                  | 3                | 73,05                          | 66,50         | 71,03         |
|                                  | <b>Rata-rata</b> | <b>70,70</b>                   | <b>69,19</b>  | <b>69,86</b>  |
|                                  | <b>SD</b>        | <b>3,24</b>                    | <b>2,38</b>   | <b>1,05</b>   |
| Kontrol Positif                  | 1                | 74,06                          | 157,18        | 136,52        |
|                                  | 2                | 61,96                          | 138,54        | 121,91        |
|                                  | 3                | 65,49                          | 154,66        | 127,46        |
|                                  | <b>Rata-rata</b> | <b>67,17</b>                   | <b>150,13</b> | <b>128,63</b> |
|                                  | <b>SD</b>        | <b>6,22</b>                    | <b>10,11</b>  | <b>7,38</b>   |
| Simvastatin<br>0,18mg/200g<br>bb | 1                | 64,99                          | 153,15        | 67,51         |
|                                  | 2                | 61,96                          | 157,68        | 66,50         |
|                                  | 3                | 79,09                          | 143,07        | 82,12         |
|                                  | <b>Rata-rata</b> | <b>68,68</b>                   | <b>151,30</b> | <b>72,04</b>  |
|                                  | <b>SD</b>        | <b>9,14</b>                    | <b>7,48</b>   | <b>8,74</b>   |
| Dosis 50<br>mg/kgbb              | 1                | 62,47                          | 135,01        | 87,15         |
|                                  | 2                | 68,01                          | 146,60        | 93,20         |
|                                  | 3                | 64,99                          | 135,52        | 73,05         |
|                                  | <b>Rata-rata</b> | <b>65,16</b>                   | <b>139,04</b> | <b>84,47</b>  |
|                                  | <b>SD</b>        | <b>2,77</b>                    | <b>6,55</b>   | <b>10,34</b>  |
| Dosis 100<br>mg/kgbb             | 1                | 72,04                          | 153,15        | 83,63         |
|                                  | 2                | 76,07                          | 152,14        | 79,09         |
|                                  | 3                | 78,09                          | 145,09        | 80,60         |
|                                  | <b>Rata-rata</b> | <b>75,40</b>                   | <b>150,13</b> | <b>81,11</b>  |
|                                  | <b>SD</b>        | <b>3,08</b>                    | <b>4,39</b>   | <b>2,31</b>   |
| Dosis 200<br>mg/kgbb             | 1                | 64,99                          | 144,08        | 83,63         |
|                                  | 2                | 76,57                          | 154,66        | 88,66         |
|                                  | 3                | 62,97                          | 101,26        | 64,99         |
|                                  | <b>Rata-rata</b> | <b>68,18</b>                   | <b>133,33</b> | <b>79,09</b>  |
|                                  | <b>SD</b>        | <b>7,34</b>                    | <b>28,28</b>  | <b>12,47</b>  |

**LAMPIRAN 5**  
**(LANJUTAN)**

**Tabel 5.18**

Kadar Trigliserida pada Hewan Uji

| Kelompok                         | No               | Kadar Trigliserida (mg/dL) |               |               |
|----------------------------------|------------------|----------------------------|---------------|---------------|
|                                  |                  | H0                         | H14           | H28           |
| Kontrol Negatif                  | 1                | 90,34                      | 108,97        | 114,48        |
|                                  | 2                | 111,72                     | 123,45        | 91,72         |
|                                  | 3                | 82,07                      | 73,10         | 68,28         |
|                                  | <b>Rata-rata</b> | <b>94,71</b>               | <b>101,84</b> | <b>91,49</b>  |
|                                  | <b>SD</b>        | <b>15,30</b>               | <b>25,92</b>  | <b>23,10</b>  |
| Kontrol Positif                  | 1                | 141,38                     | 228,97        | 208,28        |
|                                  | 2                | 91,72                      | 246,21        | 222,76        |
|                                  | 3                | 85,52                      | 215,86        | 204,83        |
|                                  | <b>Rata-rata</b> | <b>106,21</b>              | <b>230,34</b> | <b>211,95</b> |
|                                  | <b>SD</b>        | <b>30,62</b>               | <b>15,22</b>  | <b>9,51</b>   |
| Simvastatin<br>0,18mg/200g<br>bb | 1                | 93,10                      | 246,90        | 106,90        |
|                                  | 2                | 94,48                      | 228,28        | 95,86         |
|                                  | 3                | 89,66                      | 235,86        | 103,45        |
|                                  | <b>Rata-rata</b> | <b>92,41</b>               | <b>237,01</b> | <b>102,07</b> |
|                                  | <b>SD</b>        | <b>2,49</b>                | <b>9,36</b>   | <b>5,65</b>   |
| Dosis 50<br>mg/kgbb              | 1                | 70,34                      | 184,14        | 103,45        |
|                                  | 2                | 106,90                     | 216,55        | 89,66         |
|                                  | 3                | 73,79                      | 201,38        | 91,03         |
|                                  | <b>Rata-rata</b> | <b>83,68</b>               | <b>200,69</b> | <b>94,71</b>  |
|                                  | <b>SD</b>        | <b>20,18</b>               | <b>16,22</b>  | <b>7,60</b>   |
| Dosis 100<br>mg/kgbb             | 1                | 88,97                      | 212,41        | 95,86         |
|                                  | 2                | 99,31                      | 204,14        | 101,38        |
|                                  | 3                | 69,66                      | 207,59        | 90,34         |
|                                  | <b>Rata-rata</b> | <b>85,98</b>               | <b>208,05</b> | <b>95,86</b>  |
|                                  | <b>SD</b>        | <b>15,05</b>               | <b>4,16</b>   | <b>5,52</b>   |
| Dosis 200<br>mg/kgbb             | 1                | 90,34                      | 210,34        | 111,72        |
|                                  | 2                | 86,21                      | 204,83        | 101,38        |
|                                  | 3                | 84,14                      | 211,03        | 92,41         |
|                                  | <b>Rata-rata</b> | <b>86,90</b>               | <b>208,74</b> | <b>101,84</b> |
|                                  | <b>SD</b>        | <b>3,16</b>                | <b>3,40</b>   | <b>9,66</b>   |

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**Tabel 5.19**

Kadar HDL-Kolesterol pada Hewan Uji

| Kelompok                         | No               | Kadar HDL (mg/dL) |              |              |
|----------------------------------|------------------|-------------------|--------------|--------------|
|                                  |                  | H0                | H14          | H28          |
| Kontrol Negatif                  | 1                | 33,60             | 22,15        | 26,95        |
|                                  | 2                | 29,17             | 30,65        | 32,86        |
|                                  | 3                | 43,57             | 33,97        | 37,29        |
|                                  | <b>Rata-rata</b> | <b>35,45</b>      | <b>28,92</b> | <b>32,37</b> |
|                                  | <b>SD</b>        | <b>7,38</b>       | <b>6,09</b>  | <b>5,19</b>  |
| Kontrol Positif                  | 1                | 33,23             | 27,69        | 30,28        |
|                                  | 2                | 38,40             | 26,58        | 32,86        |
|                                  | 3                | 21,05             | 16,25        | 19,20        |
|                                  | <b>Rata-rata</b> | <b>30,89</b>      | <b>23,51</b> | <b>27,45</b> |
|                                  | <b>SD</b>        | <b>8,91</b>       | <b>6,31</b>  | <b>7,26</b>  |
| Simvastatin<br>0,18mg/200g<br>bb | 1                | 38,40             | 31,75        | 33,60        |
|                                  | 2                | 31,75             | 19,20        | 25,11        |
|                                  | 3                | 29,54             | 21,78        | 26,95        |
|                                  | <b>Rata-rata</b> | <b>33,23</b>      | <b>24,25</b> | <b>28,55</b> |
|                                  | <b>SD</b>        | <b>4,61</b>       | <b>6,63</b>  | <b>4,47</b>  |
| Dosis 50<br>mg/kgbb              | 1                | 43,57             | 16,98        | 25,11        |
|                                  | 2                | 32,12             | 27,32        | 35,08        |
|                                  | 3                | 36,55             | 33,23        | 35,45        |
|                                  | <b>Rata-rata</b> | <b>37,42</b>      | <b>25,85</b> | <b>31,88</b> |
|                                  | <b>SD</b>        | <b>5,77</b>       | <b>8,22</b>  | <b>5,87</b>  |
| Dosis 100<br>mg/kgbb             | 1                | 38,03             | 21,78        | 35,45        |
|                                  | 2                | 42,09             | 35,08        | 40,98        |
|                                  | 3                | 35,82             | 24,74        | 29,17        |
|                                  | <b>Rata-rata</b> | <b>38,65</b>      | <b>27,20</b> | <b>35,20</b> |
|                                  | <b>SD</b>        | <b>3,18</b>       | <b>6,98</b>  | <b>5,91</b>  |
| Dosis 200<br>mg/kgbb             | 1                | 35,08             | 17,35        | 29,91        |
|                                  | 2                | 47,26             | 36,18        | 41,35        |
|                                  | 3                | 37,29             | 33,97        | 36,18        |
|                                  | <b>Rata-rata</b> | <b>39,88</b>      | <b>29,17</b> | <b>35,82</b> |
|                                  | <b>SD</b>        | <b>6,49</b>       | <b>10,29</b> | <b>5,73</b>  |

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**Tabel 5.20**

Kadar LDL-Kolesterol pada Hewan Uji

| Kelompok                         | No               | Kadar LDL (mg/dL) |              |              |
|----------------------------------|------------------|-------------------|--------------|--------------|
|                                  |                  | H0                | H14          | H28          |
| Kontrol Negatif                  | 1                | 15,33             | 27,09        | 19,17        |
|                                  | 2                | 20,53             | 14,69        | 18,32        |
|                                  | 3                | 13,06             | 17,91        | 20,09        |
|                                  | <b>Rata-rata</b> | <b>16,31</b>      | <b>19,89</b> | <b>19,19</b> |
|                                  | <b>SD</b>        | <b>3,82</b>       | <b>6,43</b>  | <b>0,89</b>  |
| Kontrol positif                  | 1                | 12,55             | 83,69        | 64,59        |
|                                  | 2                | 5,22              | 62,71        | 44,50        |
|                                  | 3                | 27,34             | 95,24        | 67,29        |
|                                  | <b>Rata-rata</b> | <b>15,04</b>      | <b>80,55</b> | <b>58,79</b> |
|                                  | <b>SD</b>        | <b>11,27</b>      | <b>16,49</b> | <b>12,45</b> |
| Simvastatin<br>0,18mg/200g<br>bb | 1                | 7,97              | 72,02        | 12,53        |
|                                  | 2                | 11,31             | 92,83        | 22,22        |
|                                  | 3                | 31,62             | 74,12        | 34,47        |
|                                  | <b>Rata-rata</b> | <b>16,97</b>      | <b>79,65</b> | <b>23,07</b> |
|                                  | <b>SD</b>        | <b>12,80</b>      | <b>11,46</b> | <b>11,00</b> |
| Dosis 50<br>mg/kgbb              | 1                | 4,83              | 81,20        | 41,36        |
|                                  | 2                | 14,51             | 75,97        | 40,19        |
|                                  | 3                | 13,67             | 62,01        | 19,39        |
|                                  | <b>Rata-rata</b> | <b>11,00</b>      | <b>73,06</b> | <b>33,65</b> |
|                                  | <b>SD</b>        | <b>5,36</b>       | <b>9,92</b>  | <b>12,36</b> |
| Dosis 100<br>mg/kgbb             | 1                | 16,22             | 88,88        | 29,01        |
|                                  | 2                | 14,12             | 76,24        | 17,83        |
|                                  | 3                | 28,34             | 78,83        | 33,37        |
|                                  | <b>Rata-rata</b> | <b>19,56</b>      | <b>81,32</b> | <b>26,74</b> |
|                                  | <b>SD</b>        | <b>7,68</b>       | <b>6,68</b>  | <b>8,01</b>  |
| Dosis 200<br>mg/kgbb             | 1                | 11,84             | 84,66        | 31,37        |
|                                  | 2                | 12,07             | 77,51        | 27,04        |
|                                  | 3                | 8,85              | 25,08        | 10,32        |
|                                  | <b>Rata-rata</b> | <b>10,92</b>      | <b>62,42</b> | <b>22,91</b> |
|                                  | <b>SD</b>        | <b>1,80</b>       | <b>32,53</b> | <b>11,12</b> |

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**Tabel 5.21**

Perubahan Kadar Kolesterol Total pada Hewan Uji

| Kelompok                      | No               | Perubahan Kadar Kolesterol Total (mg/dL) |               |
|-------------------------------|------------------|------------------------------------------|---------------|
|                               |                  | H0-14                                    | H14-H28       |
| Kontrol Negatif               | 1                | 4,03                                     | 2,02          |
|                               | 2                | -2,02                                    | 0,50          |
|                               | 3                | -6,55                                    | -4,53         |
|                               | <b>Rata-rata</b> | <b>-1,51</b>                             | <b>-0,67</b>  |
|                               | <b>SD</b>        | <b>5,31</b>                              | <b>3,43</b>   |
| Kontrol Positif               | 1                | 83,12                                    | -20,65        |
|                               | 2                | 76,57                                    | -16,62        |
|                               | 3                | 89,17                                    | -27,20        |
|                               | <b>Rata-rata</b> | <b>82,96</b>                             | <b>-21,49</b> |
|                               | <b>SD</b>        | <b>6,30</b>                              | <b>5,34</b>   |
| Simvastatin 0,18mg/200g<br>bb | 1                | 88,16                                    | -85,64        |
|                               | 2                | 95,72                                    | -91,18        |
|                               | 3                | 63,98                                    | -60,96        |
|                               | <b>Rata-rata</b> | <b>82,62</b>                             | <b>-79,26</b> |
|                               | <b>SD</b>        | <b>16,58</b>                             | <b>16,09</b>  |
| Dosis 50 mg/kgbb              | 1                | 72,54                                    | -47,86        |
|                               | 2                | 78,59                                    | -53,40        |
|                               | 3                | 70,53                                    | -62,47        |
|                               | <b>Rata-rata</b> | <b>73,89</b>                             | <b>-54,58</b> |
|                               | <b>SD</b>        | <b>4,19</b>                              | <b>7,38</b>   |
| Dosis 100 mg/kgbb             | 1                | 81,11                                    | -69,52        |
|                               | 2                | 76,07                                    | -73,05        |
|                               | 3                | 67,00                                    | -64,48        |
|                               | <b>Rata-rata</b> | <b>74,73</b>                             | <b>-69,02</b> |
|                               | <b>SD</b>        | <b>7,15</b>                              | <b>4,30</b>   |
| Dosis 200 mg/kgbb             | 1                | 79,09                                    | -60,45        |
|                               | 2                | 78,09                                    | -65,99        |
|                               | 3                | 38,29                                    | -36,27        |
|                               | <b>Rata-rata</b> | <b>65,16</b>                             | <b>-54,24</b> |
|                               | <b>SD</b>        | <b>23,27</b>                             | <b>15,81</b>  |

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**Tabel 5.22**

Perubahan Kadar Trigliserida pada Hewan Uji

| Kelompok                      | No               | Perubahan Kadar Trigliserida (mg/dL) |                |
|-------------------------------|------------------|--------------------------------------|----------------|
|                               |                  | H0-14                                | H14-H28        |
| Kontrol Negatif               | 1                | 18,62                                | 5,52           |
|                               | 2                | 11,72                                | -31,72         |
|                               | 3                | -8,97                                | -4,83          |
|                               | <b>Rata-rata</b> | <b>7,13</b>                          | <b>-10,34</b>  |
|                               | <b>SD</b>        | <b>14,36</b>                         | <b>19,22</b>   |
| Kontrol Positif               | 1                | 87,59                                | -20,69         |
|                               | 2                | 154,48                               | -23,45         |
|                               | 3                | 130,34                               | -11,03         |
|                               | <b>Rata-rata</b> | <b>124,14</b>                        | <b>-18,39</b>  |
|                               | <b>SD</b>        | <b>33,88</b>                         | <b>6,52</b>    |
| Simvastatin 0,18mg/200g<br>bb | 1                | 153,79                               | -140,00        |
|                               | 2                | 133,79                               | -132,41        |
|                               | 3                | 146,21                               | -132,41        |
|                               | <b>Rata-rata</b> | <b>144,60</b>                        | <b>-134,94</b> |
|                               | <b>SD</b>        | <b>10,10</b>                         | <b>4,38</b>    |
| Dosis 50 mg/kgbb              | 1                | 113,79                               | -80,69         |
|                               | 2                | 109,66                               | -126,90        |
|                               | 3                | 127,59                               | -110,34        |
|                               | <b>Rata-rata</b> | <b>117,01</b>                        | <b>-105,98</b> |
|                               | <b>SD</b>        | <b>9,39</b>                          | <b>23,41</b>   |
| Dosis 100 mg/kgbb             | 1                | 123,45                               | -116,55        |
|                               | 2                | 104,83                               | -102,76        |
|                               | 3                | 137,93                               | -117,24        |
|                               | <b>Rata-rata</b> | <b>122,07</b>                        | <b>-112,18</b> |
|                               | <b>SD</b>        | <b>16,59</b>                         | <b>8,17</b>    |
| Dosis 200 mg/kgbb             | 1                | 120,00                               | -98,62         |
|                               | 2                | 118,62                               | -103,45        |
|                               | 3                | 126,90                               | -118,62        |
|                               | <b>Rata-rata</b> | <b>121,84</b>                        | <b>-106,90</b> |
|                               | <b>SD</b>        | <b>4,43</b>                          | <b>10,44</b>   |

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**Tabel 5.23**

Perubahan Kadar HDL-Kolesterol pada Hewan Uji

| Kelompok                   | No               | Perubahan Kadar HDL (mg/dL) |             |
|----------------------------|------------------|-----------------------------|-------------|
|                            |                  | H0-14                       | H14-H28     |
| Kontrol Negatif            | 1                | -11,45                      | 4,80        |
|                            | 2                | 1,48                        | 2,22        |
|                            | 3                | -9,60                       | 3,32        |
|                            | <b>Rata-rata</b> | <b>-6,52</b>                | <b>3,45</b> |
|                            | <b>SD</b>        | <b>6,99</b>                 | <b>1,30</b> |
| Kontrol positif            | 1                | -5,54                       | 2,58        |
|                            | 2                | -11,82                      | 6,28        |
|                            | 3                | -4,80                       | 2,95        |
|                            | <b>Rata-rata</b> | <b>-7,38</b>                | <b>3,94</b> |
|                            | <b>SD</b>        | <b>3,85</b>                 | <b>2,03</b> |
| Simvastatin 0,18mg/200g bb | 1                | -6,65                       | 1,85        |
|                            | 2                | -12,55                      | 5,91        |
|                            | 3                | -7,75                       | 5,17        |
|                            | <b>Rata-rata</b> | <b>-8,98</b>                | <b>4,31</b> |
|                            | <b>SD</b>        | <b>3,14</b>                 | <b>2,16</b> |
| Dosis 50 mg/kgbb           | 1                | -26,58                      | 8,12        |
|                            | 2                | -4,80                       | 7,75        |
|                            | 3                | -3,32                       | 2,22        |
|                            | <b>Rata-rata</b> | <b>-11,57</b>               | <b>6,03</b> |
|                            | <b>SD</b>        | <b>13,02</b>                | <b>3,31</b> |
| Dosis 100 mg/kgbb          | 1                | -16,25                      | 13,66       |
|                            | 2                | -7,02                       | 5,91        |
|                            | 3                | -11,08                      | 4,43        |
|                            | <b>Rata-rata</b> | <b>-11,45</b>               | <b>8,00</b> |
|                            | <b>SD</b>        | <b>4,63</b>                 | <b>4,96</b> |
| Dosis 200 mg/kgbb          | 1                | -17,72                      | 12,55       |
|                            | 2                | -11,08                      | 5,17        |
|                            | 3                | -3,32                       | 2,22        |
|                            | <b>Rata-rata</b> | <b>-10,71</b>               | <b>6,65</b> |
|                            | <b>SD</b>        | <b>7,21</b>                 | <b>5,33</b> |

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**Tabel 5.24**

Perubahan Kadar LDL-Kolesterol pada Hewan Uji

| Kelompok                   | No               | Perubahan Kadar LDL (mg/dL) |               |
|----------------------------|------------------|-----------------------------|---------------|
|                            |                  | H0-14                       | H14-H28       |
| Kontrol Negatif            | 1                | 11,75                       | -7,92         |
|                            | 2                | -5,84                       | 3,63          |
|                            | 3                | 4,84                        | 2,18          |
|                            | <b>Rata-rata</b> | <b>3,59</b>                 | <b>-0,71</b>  |
|                            | <b>SD</b>        | <b>8,86</b>                 | <b>6,29</b>   |
| Kontrol positif            | 1                | 71,14                       | -19,10        |
|                            | 2                | 57,49                       | -18,21        |
|                            | 3                | 67,90                       | -27,95        |
|                            | <b>Rata-rata</b> | <b>65,51</b>                | <b>-21,75</b> |
|                            | <b>SD</b>        | <b>7,13</b>                 | <b>5,38</b>   |
| Simvastatin 0,18mg/200g bb | 1                | 64,05                       | -59,49        |
|                            | 2                | 81,51                       | -70,61        |
|                            | 3                | 42,49                       | -39,64        |
|                            | <b>Rata-rata</b> | <b>62,68</b>                | <b>-56,58</b> |
|                            | <b>SD</b>        | <b>19,55</b>                | <b>15,69</b>  |
| Dosis 50 mg/kgbb           | 1                | 76,37                       | -39,84        |
|                            | 2                | 61,46                       | -35,78        |
|                            | 3                | 48,33                       | -42,61        |
|                            | <b>Rata-rata</b> | <b>62,05</b>                | <b>-39,41</b> |
|                            | <b>SD</b>        | <b>14,03</b>                | <b>3,44</b>   |
| Dosis 100 mg/kgbb          | 1                | 72,66                       | -59,87        |
|                            | 2                | 62,12                       | -58,40        |
|                            | 3                | 50,49                       | -45,47        |
|                            | <b>Rata-rata</b> | <b>61,76</b>                | <b>-54,58</b> |
|                            | <b>SD</b>        | <b>11,09</b>                | <b>7,93</b>   |
| Dosis 200 mg/kgbb          | 1                | 72,82                       | -53,28        |
|                            | 2                | 65,44                       | -50,47        |
|                            | 3                | 16,23                       | -14,76        |
|                            | <b>Rata-rata</b> | <b>51,50</b>                | <b>-39,51</b> |
|                            | <b>SD</b>        | <b>30,76</b>                | <b>21,47</b>  |