LAMPIRAN

Lampiran 1. Surat determinasi tanaman seledri

PEMERINTAH PROVINSI JAWA TIMUR
DINAS KESEHATAN
UPT LABORATORIUM HERBAL
MATERIA MEDICA BATU
Jl. Lahor 87 Kota Batu
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Jl. Kolonel Sugiono 457 – 459 Kota Malang
Email : materiamedicabatu@jatimprov.go.id

Nomor   : 074/ 209/ 102.20-A/ 2022
Sifat   : Biasa
Perihal   : **Determinasi Tanaman Seledri**

Memenuhi permohonan saudara :

Nama   : UMI WIJAYA KUSUMA
NIM   : 24185492A
Fakultas   : FARMASI, UNIVERSITAS SETIA BUDI

1. Perihal determinasi tanaman seledri
   Kingdom   : Plantae (Tumbuhan)
   Divisi   : Magnoliophyta (Tumbuhan berbunga)
   Kelas   : Dicotyledonae
   Bangsa   : Apiales/ Umbbelliflorae
   Suku   : Apiaceae/ Umbelliferae
   Marga   : Apium
   Jenis   : *Apium graveolens* L.
   Sinonim   : Seledri (Indonesia); Sledri (Jawa), Saledri (Sunda)
   Kunci Determinasi : 1b-2b-3b-4b-6b-7b-9b-10b-11b-12b-13b-14a-15a-109a-110b-111b-112a-113a-
                      114b-115a:Umbelliferae-1a-2a-3b-4b-6b-7a-8b-10b:Apium-1b:*A.graveolens*.
2. Morfologi   : Habitus: Semak, tinggi ± 50 cm. Batang: Tidak berkayu, bersegi, beralur, beruas,
   bercabang, tegak, hijau pucat. Daun: Majemuk, menyirip ganjil, anak daun 3-7 helai, pangkal dan ujung
   runcing, tepi beringgit, panjang 2-7,5 cm, lebar 2-5 cm, pertulangan menyirip, tangkai 1-2,7 cm, hijau
   keputih-putihan, hijau. Bunga: Majemuk, bentuk payung, tangkai 2 cm, delapan sampai dua belas, tangkai
   kelopak 2,5 cm, hijau, benang sari lima, berlepasan, berseling dengan mahkota, ujung runcing, mahkota
   berbagi lima, bagian pangkal berlekatan, putih. Buah: Kotak, bentuk kerucut, panjang 1-1,5 mm, hijau
   kekuningan. Akar: Tunggang, putih kotor.
3. Bagian yang digunakan   : Daun dan batang.
4. Penggunaan   : Penelitian (Skripsi).
5. Daftar Pustaka
   • Backer, C.A dan Bakhuizen Van Den Brink, R.C. 1965. *Flora of Java (Spermathopytes only) Vol. II*.
     Wolters-Noordhoff NV, Groningen, the Netherlands.
   • Van Steenis, CGGJ. 2008. *FLORA: untuk Sekolah di Indonesia*. Pradnya Paramita, Jakarta.

Demikian surat keterangan determinasi ini kami buat untuk dipergunakan sebagaimana mestinya.

Batu, 14 Maret 2022
KEPALA UPT LABORATORIUM HERBAL
MATERIA MEDICA BATU

ACHMAD MABRUR, SKM, M.Kes.
PEMBINA
NIP. 19680203 199203 1 004

49

Lampiran 2. Surat *Ethical Clearance*

HEALTH RESEARCH ETHICS COMITTE
KOMISI ETIK PENELITIAN KESEHATAN

Dr. Moewardi General Hospital
RSUD Dr. Moewardi

ETHICAL CLEARANCE
KELAIKAN ETIK

Nomor : 344 / III / HREC / 2022

The Health Research Ethics Committee Dr. Moewardi
Komisi Etik Penelitian Kesehatan RSUD Dr. Moewardi

after reviewing the proposal design, herewith to certify
setelah menilai rancangan penelitian yang diusulkan, dengan ini menyatakan

That the research proposal with topic :
Bahwa usulan penelitian dengan judul

UJI AKTIVITAS EKSTRAK SELEDRI (Apium graveolens L.) TERHADAP PENURUNAN KOLESTEROL TOTAL DARAH PADA TIKUS PUTIH (Rattus norvegicus) JANTAN

Principal investigator	: Umi Wijaya Kusuma
Peneliti Utama	24185492A
Location of research	: Universitas Setia Budi Surakarta
Lokasi Tempat Penelitian	
Is ethically approved	
Dinyatakan layak etik	

Issued on : 30 Maret 2022

Chairman
Ketua

Dr. Wahyu Dwi Atmoko., Sp.F
19770224 201001 1 004
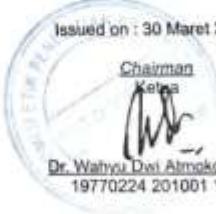
Lampiran 3. Surat keterangan hewan uji

"ABIMANYU FARM"

Mencit putih jantan   Tikus Wistar   Swis Webster   Gecing
Mencit Balb/C   Kelinci New Zaeland

Ngampon RT 04 / RW 04. Majosongo Kec. Jebres Surakarta. Phone 085 629 994 33 / Lab USB Ska

Yang bertanda tangan di bawah ini:

Nama : Sigit Pramono

Selaku pengelola Abimanyu Farm, menerangkan bahwa hewan uji yang digunakan untuk penelitian, oleh:

Nama	: Umi Wijaya Kusuma
Nim	: 24185492A
Institusi	: Universitas Setia Budi Surakarta

Merupakan hewan uji dengan spesifikasi sebagai berikut:

Jenis hewan	: Tikus Wistar
Umur	: 2-3 bulan
Jenis kelamin	: Jantan
Jumlah	: 25 ekor
Keterangan	: Sehat
Asal-usul	: Unit Pengembangan Hewan Percobaan UGM Yogyakarta

Yang pengembangan dan pengelolaannya disesuaikan standar baku penelitian. Demikian surat keterangan ini dibuat untuk digunakan sebagaimana mestinya.

Surakarta, 14 Juni 2022
Hormat kami

Sigit Pramono
"ABIMANYU FARM"

Lampiran 4. Foto serbuk dan ekstrak seledri

Serbuk seledri

Ekstrak seledri

Lampiran 5. Alat dan bahan

ALAT

Botol maserasi

Timbangan analitik

Alat Membuat Suspensi

Micro Pipet

Moisture balance

Sentrifuge

Spektrofotometer

BAHAN

Ekstrak seledri

Minyak babi

Reagen kit kolesterol

Prophyltiourasil

Simvastatin murni dan CMC Na

Sediaan uji

Lampiran 6. Foto hewan uji, perlakuan, dan pengambilan darah

Hewan uji

Perlakuan

Pengambilan darah

Lampiran 7. Hasil identifikasi kimia

Flavonoid

Tanin

Saponin

Steroid

Lampiran 8. Uji bebas etanol

Uji bebas etanol

Lampiran 9. Foto uji kadar air

Replikasi 1   **Replikasi 2**   **Replikasi 3**

Lampiran 10. Perhitungan rendemen seledri

1. Rendemen seledri kering terhadap seledri basah

Hasil rendemen seledri kering terhadap biji basah

Bobot basah (kg)	Bobot kering (kg)	Rendemen (%)
1,2	1,0	83,3

$$\% \text{ Rendemen} = \frac{\text{Berat kering}}{\text{Berat basah}} \times 100\%$$
$$= \frac{1000 \text{ gram}}{1200 \text{ gram}} \times 100\%$$
$$= 83,3\%$$

2. Rendemen ekstrak terhadap serbuk kering

Hasil pembuatan ekstrak seledri

Berat serbuk (g)	Volume etanol (ml)	Berat ekstrak (g)	Rendemen (%)
750	7500	297	39,6

$$\% \text{ Rendemen} = \frac{\text{Berat ekstrak}}{\text{Berat serbuk}} \times 100\%$$
$$= \frac{297 \text{ gram}}{750 \text{ gram}} \times 100\%$$
$$= 39,6\%$$

Lampiran 11. Perhitungan susut pengeringan serbuk seledri

Hasil penetapan susut pengeringan serbuk seledri

No	Berat serbuk (kg)	Susut Pengeringan (%)
1	2,00	9,5
2	2,00	8,5
3	2,00	8,5
	Rata-rata ± SD	**8,8 ± 0,5**

$$\text{Rata-rata susut pengeringan serbuk seledri} = \frac{9,5\% + 8,5\% + 8,5\%}{3}$$

$$= 8,8\%$$

Lampiran 12. Perhitungan kadar air

Persentase penetapan kadar air serbuk seledri

No	Serbuk seledri (g)	Pelarut toluen (ml)	Kandungan air (ml)	Kadar (%)
Replikasi I	20	100	1,1	5,5
Replikasi II	20	100	1,3	6,5
Replikasi III Rata-	20	100	1,2	6,0
rata ± SD	20	100	1,2±0,1	6,0±0,5

1. Replikasi 1

$$\% \text{ Kadar} = \frac{\text{Volume air}}{\text{Berat awal}} \times 100\%$$
$$= \frac{1,1 \text{ ml}}{20 \text{ gr}} \times 100\%$$
$$= 5,5 \%$$

Replikasi 2

$$\% \text{ Kadar} = \frac{\text{Volume air}}{\text{Berat awal}} \times 100\%$$
$$= \frac{1,3 \text{ ml}}{20 \text{ gr}} \times 100\%$$
$$= 6,5 \%$$

Replikasi 3

$$\% \text{ Kadar} = \frac{\text{Volume air}}{\text{Berat awal}} \times 100\%$$
$$= \frac{1,2 \text{ ml}}{20 \text{ gr}} \times 100\%$$
$$= 6 \%$$

Rata-rata kadar air serbuk seledri
$$= \frac{5,5 \% + 6.5\% + 6\%}{3}$$
$$= 6\%$$

Lampiran 13. Hasil penimbangan berat badan tikus

Kelompok	Tikus	Berat badan (g)				
		Hari ke-0	Hari ke-7	Hari ke-14	Hari ke-21	Hari ke-28
Negatif	1	172	176	182	191	194
	2	168	172	181	194	197
	3	164	170	180	186	193
	4	170	182	187	193	202
	5	167	177	184	192	196
Rata-rata		168,2	175,4	182,8	191,2	196,4
Positif	1	165	164	178	187	192
	2	174	175	187	195	196
	3	169	179	189	189	193
	4	163	171	176	189	196
	5	177	178	190	197	201
Rata-rata		169,6	173,4	184	191,4	195,6
100 mg/Kg bb	1	171	164	183	189	196
	2	170	172	184	194	199
	3	172	175	191	195	202
	4	165	170	183	190	198
	5	171	169	185	196	204
Rata-rata		169,8	170	185,2	192,8	199,8
200 mg/Kg bb	1	172	171	184	189	197
	2	166	174	182	189	192
	3	167	172	182	186	194
	4	173	178	189	195	201
	5	172	177	191	198	206
Rata-rata		170	174,4	185,6	191,4	198
400 mg/Kg bb	1	169	175	185	193	198
	2	172	180	188	197	203
	3	171	178	195	194	201
	4	166	176	186	195	204
	5	163	172	194	196	207
Rata-rata		173,6	176,2	189,6	195	202,8

Lampiran 14. Perhitungan dosis dan penimbangan larutan stok

1. **Induksi diet tinggi lemak**

    Pemberian pakan tinggi lemak diberikan melalui oral yaitu campuran antara kuning telur puyuh, minyak babi, dan pakan BR II yang diolah kembali dan di oven. Pemilihan cara pemberian tersebut berdasarkan tingkat resiko kematian tikus, maka dipilih melalui campuran pakan. 3 kg telur puyuh diambil kuningnya, 2,5 kg pakan standar BR II, dan 1,5 kg lemak babi.

    80% pakan standar BR II = 400 gram

    5% kuning telur puyuh   = 50 gram

    15% lemak babi   = 150 gram

    500 gram pakan dibagi untuk 25 ekor tikus, didapatkan hasil = 20 gram/tikus.

2. **Induksi prophyltiourasil (PTU)**

    Pemberian pada seluruh kelompok tikus selama 14 hari.

    Dosis PTU yang disarankan adalah 0,01%/g/1000 ml air. Dosis PTU untuk manusia adalah 100 mg, maka dibuat:

    $$\frac{0,01 \text{ gr x}}{100 \text{ ml}} = \frac{0,01 \text{ gr PTU}}{x}$$

    0,01 x = 10 ml

    x = 1000 ml

    Jadi, untuk mendapatkan dosis 0,01% dilakukan dengan cara melarutkan   PTU 100 mg ke dalam 1000 ml air.

3. **Kontrol negatif (CMC Na 0,5%)**

    Pembuatan CMC Na 0,5%

    CMC Na   = 0,5 gram/100 ml

    = 500 mg/100 ml

    = 5 mg/ml

    Cara pembuatan:

    Menimbang 0,5 gram serbuk CMC Na , larutkan ke dalam air panas ad 100 ml.

    Dosis : CMC Na 500 mg/70 kg BB manusia

    Konversi ke tikus   = 500 mg x 0,018

    = 9 mg/200 g BB

    Vp   = $\frac{9 \text{ mg}}{500 \text{ mg}}$ x 100 ml = 0,9 ml

4. Kontrol Positif (simvastatin)

Dosis simvastatin untuk manusia adalah 10 mg/ 70 kg BB manusia, dikonversikan ke tikus 200 g adalah 0,018.

Dosis = 10 mg x 0,018

= 0,18 mg/200 g BB tikus

Dosis obat simvastatin10 mg dikonversi dosis ke manusia yang berat 70 Kg terhadap tikus yang berat badannya 200 g adalah 0,018.

Dosis pemberian $= 10 \text{ mg} \times 0,018$

$= 0,18 \text{ mg}/200 \text{ g BB tikus.}$

$= 0,9 \text{ mg/kg BB tikus}$

Volume pemberian $= \dfrac{0,18 \text{ mg} \times 100 \text{ ml}}{500 \text{ mg}} = 0,036 \text{ ml}$

Perhitungan penimbangan :

1 tablet simvastatin mengandung zat aktif 10 mg, dan ditimbang di dapatkan bobot tablet 130 mg (per tablet)

10 mg = 1 tablet

20 mg = x tablet

$X = \dfrac{20 \text{ mg}}{10 \text{ mg}}$

= 2 tablet

Jadi 2 tablet simvastatin dilarutkan ke dalam suspensi CMC Na 100 ml.

Minggu 1	1. Tikus dengan BB 187 g $= \dfrac{187\ gram}{200\ gram} \times 0{,}18 mg = 0{,}17 mg$
	Volume oral $= \dfrac{0{,}17}{20} \times 100\ ml = 0{,}8\ ml$
	2. Tikus dengan BB 195 g $= \dfrac{195\ gram}{200\ gram} \times 0{,}18 mg = 0{,}17\ mg$
	Volume oral $= \dfrac{0{,}17}{20} \times 100\ ml = 0{,}85 \sim 0{,}9\ ml$
	3. Tikus dengan BB 189 g $= \dfrac{189\ gram}{200\ gram} \times 0{,}18 mg = 0{,}17\ mg$
	Volume oral $= \dfrac{0{,}17}{20} \times 100\ ml = 0{,}85 \sim 0{,}9\ ml$
	4. Tikus dengan BB 189 g $= \dfrac{189\ gram}{200\ gram} \times 0{,}18 mg = 0{,}17\ mg$
	Volume oral $= \dfrac{0{,}17}{20} \times 100\ ml = 0{,}85 \sim 0{,}9\ ml$
	5. Tikus dengan BB 197 g $= \dfrac{197\ gram}{200\ gram} \times 0{,}18 mg = 0{,}18\ mg$
	Volume oral $= \dfrac{0{,}18}{20} \times 100\ ml = 0{,}9\ ml$
Minggu 2	1. Tikus dengan BB 192 g $= \dfrac{192\ gram}{200\ gram} \times 0{,}18 mg = 0{,}17\ mg$
	Volume oral $= \dfrac{0{,}17}{20} \times 100\ ml = 0{,}85 \sim 0{,}9\ ml$
	2. Tikus dengan BB 196 g $= \dfrac{196\ gram}{200\ gram} \times 0{,}18 mg = 0{,}18\ mg$
	Volume oral $= \dfrac{0{,}18}{20} \times 100\ ml = 0{,}9\ ml$
	3. Tikus dengan BB 193 g $= \dfrac{193\ gram}{200\ gram} \times 0{,}18 mg = 0{,}17\ mg$
	Volume oral $= \dfrac{0{,}17}{20} \times 100\ ml = 0{,}85 \sim 0{,}9\ ml$
	4. Tikus dengan BB 196 g $= \dfrac{196\ gram}{200\ gram} \times 0{,}18 mg = 0{,}18\ mg$
	Volume oral $= \dfrac{0{,}17}{20} \times 100\ ml = 0{,}85 \sim 0{,}9\ ml$
	5. Tikus dengan BB 201 g $= \dfrac{201\ gram}{200\ gram} \times 0{,}18 mg = 0{,}18\ mg$
	Volume oral $= \dfrac{0{,}18}{20} \times 100\ ml = 0{,}9\ ml$

5. **Dosis ekstrak seledri**

Berdasarkan penelitian sebelumnya dosis ekstrak seledri yang efektif menurunkan kadar kolesterol total darah adalah 50 mg/kg BB , maka digunakan variasi 2x dosis pada penelitian ini antara lain: 100 mg, 200 mg, dan 400 mg.

Minggu 1	Dosis 100 mg x 0,018 = 1,8 mg/200 g BB tikus
	• BB 189 g $= \frac{191}{200} \times 1,8 \; mg = 1,7 \; mg$
	VP $= \frac{1,7}{500} \times 100 \; ml = 0,34 \; ml$
	• BB 194 g $= \frac{194}{200} \times 1,8 \; mg = 1,7 \; mg$
	VP $= \frac{1,7}{500} \times 100 \; ml = 0,34 \; ml$
	• BB 195 g $= \frac{195}{200} \times 1,8 \; mg = 1,8 \; mg$
	VP $= \frac{1,8}{500} \times 100 \; ml = 0,35 \; ml$
	• BB 190 g $= \frac{190}{200} \times 1,8 \; mg = 1,7 \; mg$
	VP $= \frac{1,7}{500} \times 100 \; ml = 0,34 \; ml$
	• BB 196 g $= \frac{196}{200} \times 1,8 \; mg = 1,8 \; mg$
	VP $= \frac{1,8}{500} \times 100 \; ml = 0,35 \; ml$
	Dosis 200 mg x 0,018 = 3,6 mg/200 g BB tikus
	• BB 189 g $= \frac{191}{200} \times 3,6 \; mg = 3,4 \; mg$
	VP $= \frac{3,4}{500} \times 100 \; ml = 0,68 \; ml$
	• BB 189 g $= \frac{189}{200} \times 3,6 \; mg = 3,4 \; mg$
	VP $= \frac{3,4}{500} \times 100 \; ml = 0,68 \; ml$
	• BB 186 g $= \frac{186}{200} \times 3,6 \; mg = 3,3 \; mg$
	VP $= \frac{3,3}{500} \times 100 \; ml = 0,67 \; ml$
	• BB 195 g $= \frac{195}{200} \times 3,6 \; mg = 3,5 \; mg$

	VP $= \frac{3,5}{500} \times 100\ ml = 0,70\ ml$
	$\bullet$ BB 198 g $= \frac{198}{200} \times 3,6\ mg = 3,6\ mg$
	VP $= \frac{3,6}{500} \times 100\ ml = 0,71\ ml$
	Dosis 400 mg x 0,018 = 7,2 mg/200 g BB tikus
	$\bullet$ BB 193 g $= \frac{193}{200} \times 7,2\ mg = 6,9\ mg$
	VP $= \frac{6,9}{500} \times 100\ ml = 1,39\ ml$
	$\bullet$ BB 197 g $= \frac{197}{200} \times 7,2\ mg = 7,09\ mg$
	VP $= \frac{7,09}{500} \times 100\ ml = 1,41\ ml$
	$\bullet$ BB 194 g $= \frac{194}{200} \times 7,2\ mg = 7\ mg$
	VP $= \frac{7}{500} \times 100\ ml = 1,4\ ml$
	$\bullet$ BB 195 g $= \frac{195}{200} \times 7,2\ mg = 7\ mg$
	VP $= \frac{7}{500} \times 100\ ml = 1,4\ ml$
	$\bullet$ BB 196 g $= \frac{196}{200} \times 7,2\ mg = 7,1\ mg$
	VP $= \frac{7,1}{500} \times 100\ ml = 1,41\ ml$

Minggu 2	Dosis 100 mg x 0,018 = 1,8 mg/200 g BB tikus
	• BB 196 g $= \frac{196}{200} \times 1,8\ mg = 1,8\ mg$
	VP $\quad = \frac{1,8}{500} \times 100\ ml = 0,35\ ml$
	• BB 199 g $= \frac{199}{200} \times 1,8\ mg = 1,8\ mg$
	VP $\quad = \frac{1,8}{500} \times 100\ ml = 0,35\ ml$
	• BB 202 g $= \frac{202}{200} \times 1,8\ mg = 1,8\ mg$
	VP $\quad = \frac{1,8}{500} \times 100\ ml = 0,35\ ml$
	• BB 196 g $= \frac{196}{200} \times 1,8\ mg = 1,8\ mg$
	VP $\quad = \frac{1,8}{500} \times 100\ ml = 0,35\ ml$
	• BB 204 g $= \frac{204}{200} \times 1,8\ mg = 1,8\ mg$
	VP $\quad = \frac{1,8}{500} \times 100\ ml = 0,35\ ml$
	Dosis 200 mg x 0,018 = 3,6 mg/200 g BB tikus
	• BB 197 g $= \frac{197}{200} \times 3,6\ mg = 3,5\ mg$
	VP $\quad = \frac{3,5}{500} \times 100\ ml = 0,70\ ml$
	• BB 192 g $= \frac{189}{200} \times 3,6\ mg = 3,4\ mg$
	VP $\quad = \frac{3,4}{500} \times 100\ ml = 0,68\ ml$
	• BB 194 g $= \frac{194}{200} \times 3,6\ mg = 3,5\ mg$
	VP $\quad = \frac{3,5}{500} \times 100\ ml = 0,70\ ml$
	• BB 201 g $= \frac{201}{200} \times 3,6\ mg = 3,6\ mg$
	VP $\quad = \frac{3,6}{500} \times 100\ ml = 0,72\ ml$
	• BB 206 g $= \frac{206}{200} \times 3,6\ mg = 3,7\ mg$

67

	VP $= \frac{3,7}{500} \times 100 \ ml = 0,74 \ ml$

VP $= \frac{3,7}{500} \times 100 \ ml = 0,74 \ ml$

Dosis 400 mg x 0,018 = 7,2 mg/200 g BB tikus

- BB 199g $= \frac{199}{200} \times 7,2 \ mg = 7,2 \ mg$

VP $= \frac{7,2}{500} \times 100 \ ml = 1,43 \ ml$

- BB 203 g $= \frac{203}{200} \times 7,2 \ mg = 7,3 \ mg$

VP $= \frac{7,3}{500} \times 100 \ ml = 1,46 \ ml$

- BB 201 g $= \frac{201}{200} \times 7,2 \ mg = 7,2 \ mg$

VP $= \frac{7,2}{500} \times 100 \ ml = 1,44 \ ml$

- BB 204 g $= \frac{204}{200} \times 7,2 \ mg = 7,34 \ mg$

VP $= \frac{7,34}{500} \times 100 \ ml = 1,46 \ ml$

- BB 207 g $= \frac{207}{200} \times 7,2 \ mg = 7,5 \ mg$

VP $= \frac{7,5}{500} \times 100 \ ml = 1,49 \ ml$

Lampiran 15. Hasil uji parameter kadar kolesterol total darah hewan uji T0, T1,T2.

Kelompok	1	2	3	4	5
	70,1	68,6	68,8	70,3	71
	90,4	78,4	88	83,3	83,9
T0	74,6	70,3	69,8	74,4	75
	86,6	79,6	73,3	68,4	68,8
	92,9	68,6	80	87,3	87,9
Rata-rata	82,92	73,1	75,98	76,74	77,32
SD	10,03	5,45	8,02	8,23	8,26
	229,3	220	228,8	219	209,3
	215,7	213,1	211,7	206,1	203,7
T1	227,4	230,8	222,7	215,8	218,4
	208,7	204,4	203	208,9	210,7
	218,9	208,2	213,1	227	211,5
Rata-rata	220	215,3	215,86	215,36	210,72
SD	8,49	10,45	10,06	8,31	5,27
	219,2	172,6	189,8	193,3	173
	210	162,1	199,4	187	169,9
T2	227,7	168	193,6	182,5	170,8
	215	163,9	195	182	165,3
	221,9	157,7	194,8	188,1	164,1
Rata-rata	218,76	164,86	194,52	186,58	168,62
SD	6,72	5,69	3,44	4,62	3,78

Kelompok Perlakuan	Rata-rata kolesterol total dalam darah (mg/dl) ± SD				
	T0	T1	T2	Peningkatan (T1-T0)	Penurunan (T1-T2)
1	82.92 ± 10.03	220 ± 8.49	218.76 ± 6.72	±	±
2	73.10 ± 5.45	215.3 ± 10.45	164.86 ± 5.69	±	±
3	75.98 ± 8.02	215.85 ± 10.06	194.52 ± 3.44	±	±
4	76.74 ± 8.23	215.36 ± 8.31	186.58 ± 4.62	±	±
5	77.32 ± 8.26	210.72 ± 5.27	168.62 ± 3.78	±	±

T1-T0	RATA2	SD
1	137,08	-1,54
2	142,2	5,00
3	139,88	2,03
4	138,62	0,08
5	133,4	-3,00

T1-T2	RATA2	SD
1	1,24	1,77
2	50,44	4,75
3	21,34	6,62
4	28,78	3,70
5	42,1	1,49

Lampiran 16. Hasil uji statistik T0,T1, dan T2

TO

Kelompok	1	2	3	4	5
T0	70.1	68.6	68.8	70.3	71
	90.4	78.4	88	83.3	83.9
	74.6	70.3	69.8	74.4	75
	86.6	79.6	73.3	68.4	68.8
	92.9	68.6	80	87.3	87.9
Rata-rata	82.92	73.1	75.98	76.74	77.32
SD	10.03	5.45	8.02	8.23	8.26

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Kelompok	N	Percent	N	Percent	N	Percent
Kadar_kolesterol_total_awal	Kontrol negatif	5	100.0%	0	0.0%	5	100.0%
	Kontrol positif	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 100 mg/kg BB	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 200 mg/kg BB	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 400 mg/kg BB	5	100.0%	0	0.0%	5	100.0%

Descriptives

	Kelompok			Statistic	Std. Error
Kadar_koleste rol_total_awal	Kontrol negatif	Mean		82.9200	4.48703
		95% Confidence Interval for Mean	Lower Bound	70.4620	
			Upper Bound	95.3780	
		5% Trimmed Mean		83.0778	
		Median		86.6000	
		Variance		100.667	
		Std. Deviation		10.03329	
		Minimum		70.10	
		Maximum		92.90	
		Range		22.80	
		Interquartile Range		19.30	
		Skewness		-.504	.913
		Kurtosis		-2.445	2.000
	Kontrol positif	Mean		73.1000	2.43598
		95% Confidence Interval for Mean	Lower Bound	66.3366	
			Upper Bound	79.8634	
		5% Trimmed Mean		72.9889	
		Median		70.3000	
		Variance		29.670	
		Std. Deviation		5.44702	
		Minimum		68.60	
		Maximum		79.60	
		Range		11.00	
		Interquartile Range		10.40	
		Skewness		.565	.913
		Kurtosis		-3.093	2.000
	Dosis ekstrak 100 mg/kg BB	Mean		75.9800	3.58865
		95% Confidence Interval for Mean	Lower Bound	66.0163	
			Upper Bound	85.9437	
		5% Trimmed Mean		75.7111	
		Median		73.3000	
		Variance		64.392	
		Std. Deviation		8.02446	

		Minimum	68.80	
		Maximum	88.00	
		Range	19.20	
		Interquartile Range	14.70	
		Skewness	.948	.913
		Kurtosis	-.372	2.000
Dosis ekstrak 200 mg/kg BB	Mean		76.7400	3.68139
	95% Confidence Interval for Mean	Lower Bound	66.5188	
		Upper Bound	86.9612	
	5% Trimmed Mean		76.6167	
	Median		74.4000	
	Variance		67.763	
	Std. Deviation		8.23183	
	Minimum		68.40	
	Maximum		87.30	
	Range		18.90	
	Interquartile Range		15.95	
	Skewness		.448	.913
	Kurtosis		-2.317	2.000
Dosis ekstrak 400 mg/kg BB	Mean		77.3200	3.69559
	95% Confidence Interval for Mean	Lower Bound	67.0594	
		Upper Bound	87.5806	
	5% Trimmed Mean		77.2056	
	Median		75.0000	
	Variance		68.287	
	Std. Deviation		8.26359	
	Minimum		68.80	
	Maximum		87.90	
	Range		19.10	
	Interquartile Range		16.00	
	Skewness		.433	.913
	Kurtosis		-2.291	2.000

Tests of Normality

	Kelompok	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Kadar_kolesterol _total_awal	Kontrol negatif	.243	5	.200[*]	.893	5	.375
	Kontrol positif	.296	5	.174	.789	5	.066
	Dosis ekstrak 100 mg/kg BB	.231	5	.200[*]	.900	5	.408
	Dosis ekstrak 200 mg/kg BB	.212	5	.200[*]	.909	5	.463
	Dosis ekstrak 400 mg/kg BB	.211	5	.200[*]	.915	5	.497

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

a. Lilliefors Significance Correction

Oneway

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Kadar_kolesterol _total_awal	Based on Mean	.999	4	20	.431
	Based on Median	.298	4	20	.876
	Based on Median and with adjusted df	.298	4	18.239	.876
	Based on trimmed mean	.938	4	20	.462

ANOVA

Kadar_kolesterol_total_awal

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	256.210	4	64.053	.968	.447
Within Groups	1323.116	20	66.156		
Total	1579.326	24			

ANOVA Effect Sizes[a,b]

		Point Estimate	95% Confidence Interval	
			Lower	Upper
Kadar_kolesterol_total_awal	Eta-squared	.162	.000	.320
	Epsilon-squared	-.005	-.200	.184
	Omega-squared Fixed-effect	-.005	-.190	.178
	Omega-squared Random-effect	-.001	-.042	.051

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.
b. Negative but less biased estimates are retained, not rounded to zero.

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Kadar_kolesterol_total_awal
Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol negatif	Kontrol positif	9.82000	5.14415	.345	-5.5732	25.2132
	Dosis ekstrak 100 mg/kg BB	6.94000	5.14415	.665	-8.4532	22.3332
	Dosis ekstrak 200 mg/kg BB	6.18000	5.14415	.751	-9.2132	21.5732
	Dosis ekstrak 400 mg/kg BB	5.60000	5.14415	.810	-9.7932	20.9932
Kontrol positif	Kontrol negatif	-9.82000	5.14415	.345	-25.2132	5.5732
	Dosis ekstrak 100 mg/kg BB	-2.88000	5.14415	.979	-18.2732	12.5132
	Dosis ekstrak 200 mg/kg BB	-3.64000	5.14415	.952	-19.0332	11.7532
	Dosis ekstrak 400 mg/kg BB	-4.22000	5.14415	.921	-19.6132	11.1732
Dosis ekstrak 100 mg/kg BB	Kontrol negatif	-6.94000	5.14415	.665	-22.3332	8.4532
	Kontrol positif	2.88000	5.14415	.979	-12.5132	18.2732
	Dosis ekstrak 200 mg/kg BB	-.76000	5.14415	1.000	-16.1532	14.6332

	Dosis ekstrak 400 mg/kg BB	-1.34000	5.14415	.999	-16.7332	14.0532
Dosis ekstrak 200 mg/kg BB	Kontrol negatif	-6.18000	5.14415	.751	-21.5732	9.2132
	Kontrol positif	3.64000	5.14415	.952	-11.7532	19.0332
	Dosis ekstrak 100 mg/kg BB	.76000	5.14415	1.000	-14.6332	16.1532
	Dosis ekstrak 400 mg/kg BB	-.58000	5.14415	1.000	-15.9732	14.8132
Dosis ekstrak 400 mg/kg BB	Kontrol negatif	-5.60000	5.14415	.810	-20.9932	9.7932
	Kontrol positif	4.22000	5.14415	.921	-11.1732	19.6132
	Dosis ekstrak 100 mg/kg BB	1.34000	5.14415	.999	-14.0532	16.7332
	Dosis ekstrak 200 mg/kg BB	.58000	5.14415	1.000	-14.8132	15.9732

Homogeneous Subsets

Kadar_kolesterol_total_awal

Tukey HSD[a]

		Subset for alpha = 0.05
Kelompok	N	1
Kontrol positif	5	73.1000
Dosis ekstrak 100 mg/kg BB	5	75.9800
Dosis ekstrak 200 mg/kg BB	5	76.7400
Dosis ekstrak 400 mg/kg BB	5	77.3200
Kontrol negatif	5	82.9200
Sig.		.345

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

T1

Kelompok	1	2	3	4	5
T1	229.3	220	228.8	219	209.3
	215.7	213.1	211.7	206.1	203.7
	227.4	230.8	222.7	215.8	218.4
	208.7	204.4	203	208.9	210.7
	218.9	208.2	213.1	227	211.5
Rata-rata	220	215.3	215.86	215.36	210.72
SD	8.49	10.45	10.06	8.31	5.27

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Kelompok	N	Percent	N	Percent	N	Percent
Kadar_kolesterol_total_setelah_diinduksi	Kontrol negatif	5	100.0%	0	0.0%	5	100.0%
	Kontrol positif	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 100 mg/kg BB	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 200 mg/kg BB	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 400 mg/kg BB	5	100.0%	0	0.0%	5	100.0%

Descriptives

	Kelompok			Statistic	Std. Error
Kadar_kolesterol_total_setelah_diinduksi	Kontrol negatif	Mean		220.0000	3.79895
		95% Confidence Interval for Mean	Lower Bound	209.4524	
			Upper Bound	230.5476	
		5% Trimmed Mean		220.1111	
		Median		218.9000	
		Variance		72.160	
		Std. Deviation		8.49470	
		Minimum		208.70	
		Maximum		229.30	
		Range		20.60	
		Interquartile Range		16.15	
		Skewness		-.214	.913
		Kurtosis		-1.488	2.000
	Kontrol	Mean		215.3000	4.67119

positif	95% Confidence Interval for Mean	Lower Bound	202.3307	
		Upper Bound	228.2693	
	5% Trimmed Mean		215.0444	
	Median		213.1000	
	Variance		109.100	
	Std. Deviation		10.44509	
	Minimum		204.40	
	Maximum		230.80	
	Range		26.40	
	Interquartile Range		19.10	
	Skewness		.791	.913
	Kurtosis		-.135	2.000
Dosis ekstrak 100 mg/kg BB	Mean		215.8600	4.49740
	95% Confidence Interval for Mean	Lower Bound	203.3732	
		Upper Bound	228.3468	
	5% Trimmed Mean		215.8556	
	Median		213.1000	
	Variance		101.133	
	Std. Deviation		10.05649	
	Minimum		203.00	
	Maximum		228.80	
	Range		25.80	
	Interquartile Range		18.40	
	Skewness		.109	.913
	Kurtosis		-.920	2.000
Dosis ekstrak 200 mg/kg BB	Mean		215.3600	3.71761
	95% Confidence Interval for Mean	Lower Bound	205.0383	
		Upper Bound	225.6817	
	5% Trimmed Mean		215.2278	
	Median		215.8000	
	Variance		69.103	
	Std. Deviation		8.31282	
	Minimum		206.10	
	Maximum		227.00	
	Range		20.90	

		Interquartile Range	15.50	
		Skewness	.408	.913
		Kurtosis	-.768	2.000
	Dosis ekstrak 400 mg/kg BB	Mean	210.7200	2.35465
		95% Confidence Interval for Mean — Lower Bound	204.1824	
		Upper Bound	217.2576	
		5% Trimmed Mean	210.6833	
		Median	210.7000	
		Variance	27.722	
		Std. Deviation	5.26517	
		Minimum	203.70	
		Maximum	218.40	
		Range	14.70	
		Interquartile Range	8.45	
		Skewness	.299	.913
		Kurtosis	1.616	2.000

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Kelompok	Statistic	df	Sig.	Statistic	df	Sig.
Kadar_kolesterol_total_setelah_diinduksi	Kontrol negatif	.208	5	.200*	.945	5	.701
	Kontrol positif	.183	5	.200*	.953	5	.759
	Dosis ekstrak 100 mg/kg BB	.208	5	.200*	.969	5	.871
	Dosis ekstrak 200 mg/kg BB	.181	5	.200*	.965	5	.840
	Dosis ekstrak 400 mg/kg BB	.241	5	.200*	.957	5	.787

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

a. Lilliefors Significance Correction

Oneway

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Kadar_kolester ol_total_setelah _diinduksi	Based on Mean	.893	4	20	.486
	Based on Median	.506	4	20	.732
	Based on Median and with adjusted df	.506	4	16.936	.732
	Based on trimmed mean	.880	4	20	.493

ANOVA

Kadar_kolesterol_total_setelah_diinduksi

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	216.370	4	54.093	.713	.593
Within Groups	1516.872	20	75.844		
Total	1733.242	24			

ANOVA Effect Sizes[a,b]

		Point Estimate	95% Confidence Interval	
			Lower	Upper
Kadar_kolesterol_total_ setelah_diinduksi	Eta-squared	.125	.000	.270
	Epsilon-squared	-.050	-.200	.124
	Omega-squared Fixed-effect	-.048	-.190	.119
	Omega-squared Random-effect	-.012	-.042	.033

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.
b. Negative but less biased estimates are retained, not rounded to zero.

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Kadar_kolesterol_total_setelah_diinduksi

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Kontrol negatif	Kontrol positif	4.70000	5.50794	.910	-11.7818	21.1818
	Dosis ekstrak 100 mg/kg BB	4.14000	5.50794	.941	-12.3418	20.6218
	Dosis ekstrak 200 mg/kg BB	4.64000	5.50794	.914	-11.8418	21.1218
	Dosis ekstrak 400 mg/kg BB	9.28000	5.50794	.465	-7.2018	25.7618
Kontrol positif	Kontrol negatif	-4.70000	5.50794	.910	-21.1818	11.7818
	Dosis ekstrak 100 mg/kg BB	-.56000	5.50794	1.000	-17.0418	15.9218
	Dosis ekstrak 200 mg/kg BB	-.06000	5.50794	1.000	-16.5418	16.4218
	Dosis ekstrak 400 mg/kg BB	4.58000	5.50794	.918	-11.9018	21.0618
Dosis ekstrak 100 mg/kg BB	Kontrol negatif	-4.14000	5.50794	.941	-20.6218	12.3418
	Kontrol positif	.56000	5.50794	1.000	-15.9218	17.0418
	Dosis ekstrak 200 mg/kg BB	.50000	5.50794	1.000	-15.9818	16.9818
	Dosis ekstrak 400 mg/kg BB	5.14000	5.50794	.881	-11.3418	21.6218
Dosis ekstrak 200 mg/kg BB	Kontrol negatif	-4.64000	5.50794	.914	-21.1218	11.8418
	Kontrol positif	.06000	5.50794	1.000	-16.4218	16.5418
	Dosis ekstrak 100 mg/kg BB	-.50000	5.50794	1.000	-16.9818	15.9818
	Dosis ekstrak 400 mg/kg BB	4.64000	5.50794	.914	-11.8418	21.1218
Dosis ekstrak 400 mg/kg BB	Kontrol negatif	-9.28000	5.50794	.465	-25.7618	7.2018
	Kontrol positif	-4.58000	5.50794	.918	-21.0618	11.9018
	Dosis ekstrak 100 mg/kg BB	-5.14000	5.50794	.881	-21.6218	11.3418
	Dosis ekstrak 200 mg/kg BB	-4.64000	5.50794	.914	-21.1218	11.8418

Homogeneous Subsets

Kadar_kolesterol_total_setelah_diinduksi

Tukey HSD[a]

Kelompok	N	Subset for alpha = 0.05 1
Dosis ekstrak 400 mg/kg BB	5	210.7200
Kontrol positif	5	215.3000
Dosis ekstrak 200 mg/kg BB	5	215.3600
Dosis ekstrak 100 mg/kg BB	5	215.8600
Kontrol negatif	5	220.0000
Sig.		.465

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

T2

Kelompok	1	2	3	4	5
	219.2	172.6	189.8	193.3	173
	210	162.1	199.4	187	169.9
T2	227.7	168	193.6	182.5	170.8
	215	163.9	195	182	165.3
	221.9	157.7	194.8	188.1	164.1
Rata-rata	218.76	164.86	194.52	186.58	168.62
SD	6.72	5.69	3.44	4.62	3.78

Case Processing Summary

	Kelompok	Cases Valid N	Percent	Missing N	Percent	Total N	Percent
Kadar_kolesterol _total_akhir	Kontrol negatif	5	100.0%	0	0.0%	5	100.0%
	Kontrol positif	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 100 mg/kg BB	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 200 mg/kg BB	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 400 mg/kg BB	5	100.0%	0	0.0%	5	100.0%

Descriptives

	Kelompok			Statistic	Std. Error
Kadar_kolesterol _total_akhir	Kontrol negatif	Mean		218.7600	3.00709
		95% Confidence Interval for Mean	Lower Bound	210.4110	
			Upper Bound	227.1090	
		5% Trimmed Mean		218.7500	
		Median		219.2000	
		Variance		45.213	
		Std. Deviation		6.72406	
		Minimum		210.00	
		Maximum		227.70	
		Range		17.70	
		Interquartile Range		12.30	
		Skewness		.028	.913
		Kurtosis		-.311	2.000
	Kontrol positif	Mean		164.8600	2.54531
		95% Confidence Interval for Mean	Lower Bound	157.7931	
			Upper Bound	171.9269	
		5% Trimmed Mean		164.8278	
		Median		163.9000	
		Variance		32.393	
		Std. Deviation		5.69148	
		Minimum		157.70	
		Maximum		172.60	
		Range		14.90	
		Interquartile Range		10.40	
		Skewness		.239	.913
		Kurtosis		-.408	2.000
	Dosis ekstrak 100 mg/kg BB	Mean		194.5200	1.53701
		95% Confidence Interval for Mean	Lower Bound	190.2526	
			Upper Bound	198.7874	
		5% Trimmed Mean		194.5111	
		Median		194.8000	
		Variance		11.812	

	Std. Deviation		3.43686	
	Minimum		189.80	
	Maximum		199.40	
	Range		9.60	
	Interquartile Range		5.50	
	Skewness		.107	.913
	Kurtosis		1.535	2.000
Dosis ekstrak 200 mg/kg BB	Mean		186.5800	2.06480
	95% Confidence Interval for Mean	Lower Bound	180.8472	
		Upper Bound	192.3128	
	5% Trimmed Mean		186.4611	
	Median		187.0000	
	Variance		21.317	
	Std. Deviation		4.61703	
	Minimum		182.00	
	Maximum		193.30	
	Range		11.30	
	Interquartile Range		8.45	
	Skewness		.606	.913
	Kurtosis		-.403	2.000
Dosis ekstrak 400 mg/kg BB	Mean		168.6200	1.68861
	95% Confidence Interval for Mean	Lower Bound	163.9317	
		Upper Bound	173.3083	
	5% Trimmed Mean		168.6278	
	Median		169.9000	
	Variance		14.257	
	Std. Deviation		3.77584	
	Minimum		164.10	
	Maximum		173.00	
	Range		8.90	
	Interquartile Range		7.20	
	Skewness		-.251	.913
	Kurtosis		-2.267	2.000

Tests of Normality

	Kelompok	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Kadar_kolesterol_total_akhir	Kontrol negatif	.126	5	.200[*]	.997	5	.998
	Kontrol positif	.167	5	.200[*]	.990	5	.980
	Dosis ekstrak 100 mg/kg BB	.244	5	.200[*]	.955	5	.775
	Dosis ekstrak 200 mg/kg BB	.212	5	.200[*]	.921	5	.537
	Dosis ekstrak 400 mg/kg BB	.233	5	.200[*]	.920	5	.529

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

Oneway

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Kadar_kolesterol_total_akhir	Based on Mean	.788	4	20	.546
	Based on Median	.615	4	20	.657
	Based on Median and with adjusted df	.615	4	17.217	.658
	Based on trimmed mean	.789	4	20	.546

ANOVA

Kadar_kolesterol_total_akhir

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9464.386	4	2366.097	94.650	<.001
Within Groups	499.968	20	24.998		
Total	9964.354	24			

ANOVA Effect Sizes^a

		Point Estimate	95% Confidence Interval Lower	Upper
Kadar_kolesterol _total_akhir	Eta-squared	.950	.872	.963
	Epsilon-squared	.940	.846	.956
	Omega-squared Fixed-effect	.937	.840	.954
	Omega-squared Random-effect	.789	.568	.839

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Kadar_kolesterol_total_akhir
Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
Kontrol negatif	Kontrol positif	53.90000*	3.16218	<.001	44.4376	63.3624
	Dosis ekstrak 100 mg/kg BB	24.24000*	3.16218	<.001	14.7776	33.7024
	Dosis ekstrak 200 mg/kg BB	32.18000*	3.16218	<.001	22.7176	41.6424
	Dosis ekstrak 400 mg/kg BB	50.14000*	3.16218	<.001	40.6776	59.6024
Kontrol positif	Kontrol negatif	-53.90000*	3.16218	<.001	-63.3624	-44.4376
	Dosis ekstrak 100 mg/kg BB	-29.66000*	3.16218	<.001	-39.1224	-20.1976
	Dosis ekstrak 200 mg/kg BB	-21.72000*	3.16218	<.001	-31.1824	-12.2576
	Dosis ekstrak 400 mg/kg BB	-3.76000	3.16218	.757	-13.2224	5.7024
Dosis ekstrak 100 mg/kg BB	Kontrol negatif	-24.24000*	3.16218	<.001	-33.7024	-14.7776
	Kontrol positif	29.66000*	3.16218	<.001	20.1976	39.1224
	Dosis ekstrak 200 mg/kg BB	7.94000	3.16218	.128	-1.5224	17.4024

	Dosis ekstrak 400 mg/kg BB	25.90000[*]	3.16218	<.001	16.4376	35.3624
Dosis ekstrak 200 mg/kg BB	Kontrol negatif	-32.18000[*]	3.16218	<.001	-41.6424	-22.7176
	Kontrol positif	21.72000[*]	3.16218	<.001	12.2576	31.1824
	Dosis ekstrak 100 mg/kg BB	-7.94000	3.16218	.128	-17.4024	1.5224
	Dosis ekstrak 400 mg/kg BB	17.96000[*]	3.16218	<.001	8.4976	27.4224
Dosis ekstrak 400 mg/kg BB	Kontrol negatif	-50.14000[*]	3.16218	<.001	-59.6024	-40.6776
	Kontrol positif	3.76000	3.16218	.757	-5.7024	13.2224
	Dosis ekstrak 100 mg/kg BB	-25.90000[*]	3.16218	<.001	-35.3624	-16.4376
	Dosis ekstrak 200 mg/kg BB	-17.96000[*]	3.16218	<.001	-27.4224	-8.4976

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

Homogeneous Subsets

Kadar_kolesterol_total_akhir

Tukey HSD[a]

		Subset for alpha = 0.05		
Kelompok	N	1	2	3
Kontrol positif	5	164.8600		
Dosis ekstrak 400 mg/kg BB	5	168.6200		
Dosis ekstrak 200 mg/kg BB	5		186.5800	
Dosis ekstrak 100 mg/kg BB	5		194.5200	
Kontrol negatif	5			218.7600
Sig.		.757	.128	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 5.000.

Kelompok

Case Processing Summary

		Valid		Missing		Total	
				Cases			
	Kelompok	N	Percent	N	Percent	N	Percent
Persentase_penurunan_ka dar_kolesterol_total	Kontrol negatif	5	100.0%	0	0.0%	5	100.0%
	Kontrol positif	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 100 mg/kg BB	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 200 mg/kg BB	5	100.0%	0	0.0%	5	100.0%
	Dosis ekstrak 400 mg/kg BB	5	100.0%	0	0.0%	5	100.0%

Descriptives

	Kelompok		Statistic	Std. Error
Persentase_penurunan_ka dar_kolesterol_total	Kontrol negatif	Mean	.5040	1.34301
		95% Confidence Interval for Mean — Lower Bound	-3.2248	
		Upper Bound	4.2328	
		5% Trimmed Mean	.4833	
		Median	-.1300	
		Variance	9.018	
		Std. Deviation	3.00307	
		Minimum	-3.02	
		Maximum	4.40	
		Range	7.42	

		Interquartile Range	5.72	
		Skewness	.281	.913
		Kurtosis	-1.577	2.000
Kontrol positif	Mean		23.3520	1.26166
	95% Confidence Interval for Mean	Lower Bound	19.8491	
		Upper Bound	26.8549	
	5% Trimmed Mean		23.3344	
	Median		23.9300	
	Variance		7.959	
	Std. Deviation		2.82116	
	Minimum		19.81	
	Maximum		27.21	
	Range		7.40	
	Interquartile Range		5.06	
	Skewness		.150	.913
	Kurtosis		-.299	2.000
Dosis ekstrak 100 mg/kg BB	Mean		9.6920	2.39709
	95% Confidence Interval for Mean	Lower Bound	3.0366	
		Upper Bound	16.3474	
	5% Trimmed Mean		9.6028	
	Median		8.5900	
	Variance		28.730	

		Std. Deviation	5.36006	
		Minimum	3.94	
		Maximum	17.05	
		Range	13.11	
		Interquartile Range	10.19	
		Skewness	.505	.913
		Kurtosis	-1.360	2.000
Dosis ekstrak 200 mg/kg BB	Mean		13.2920	1.38082
	95% Confidence Interval for Mean	Lower Bound	9.4582	
		Upper Bound	17.1258	
	5% Trimmed Mean		13.3017	
	Median		12.8800	
	Variance		9.533	
	Std. Deviation		3.08760	
	Minimum		9.27	
	Maximum		17.14	
	Range		7.87	
	Interquartile Range		5.78	
	Skewness		-.030	.913
	Kurtosis		-1.018	2.000
Dosis ekstrak 400 mg/kg BB	Mean		19.9360	1.22674
	95% Confidence Interval for Mean	Lower Bound	16.5300	
		Upper Bound	23.3420	

5% Trimmed Mean	19.9844	
Median	21.5500	
Variance	7.524	
Std. Deviation	2.74308	
Minimum	16.59	
Maximum	22.41	
Range	5.82	
Interquartile Range	5.14	
Skewness	-.590	.913
Kurtosis	-2.992	2.000

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Kelompok	Statistic	df	Sig.	Statistic	df	Sig.
Persentase_penurunan_kadar_kolesterol_total	Kontrol negatif	.184	5	.200[*]	.965	5	.841
	Kontrol positif	.181	5	.200[*]	.975	5	.909
	Dosis ekstrak 100 mg/kg BB	.181	5	.200[*]	.953	5	.759
	Dosis ekstrak 200 mg/kg BB	.156	5	.200[*]	.983	5	.948
	Dosis ekstrak 400 mg/kg BB	.322	5	.099	.812	5	.100

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

a. Lilliefors Significance Correction

**Persentase_penurunan_kadar_kolesterol_total**

Stem-and-Leaf Plots

Persentase_penurunan_kadar_kolesterol_total Stem-and-Leaf Plot for
Kelompok= Kontrol negatif

```
 Frequency    Stem &  Leaf

   3,00      -0 .  013
   2,00       0 .  24

 Stem width:    10,00
 Each leaf:     1 case(s)
```

Persentase_penurunan_kadar_kolesterol_total Stem-and-Leaf Plot for
Kelompok= Kontrol positif

```
 Frequency    Stem &  Leaf

   1,00       1 .  9
   3,00       2 .  134
   1,00       2 .  7

 Stem width:    10,00
 Each leaf:     1 case(s)
```

Persentase_penurunan_kadar_kolesterol_total Stem-and-Leaf Plot for
Kelompok= Dosis ekstrak 100 mg/kg BB

```
 Frequency    Stem &  Leaf

   1,00       0 .  3
   2,00       0 .  58
   1,00       1 .  3
   1,00       1 .  7
```

Stem width: 10,00
Each leaf: 1 case(s)

Persentase_penurunan_kadar_kolesterol_total Stem-and-Leaf Plot for
Kelompok= Dosis ekstrak 200 mg/kg BB

 Frequency   Stem & Leaf

    1,00   0 . 9
   2,00   1 . 12
    2,00   1 . 57

 Stem width: 10,00
 Each leaf: 1 case(s)

Persentase_penurunan_kadar_kolesterol_total Stem-and-Leaf Plot for
Kelompok= Dosis ekstrak 400 mg/kg BB

 Frequency   Stem & Leaf

    2,00   1 . 67
    3,00   2 . 112

 Stem width: 10,00
 Each leaf: 1 case(s)

Normal Q-Q Plots
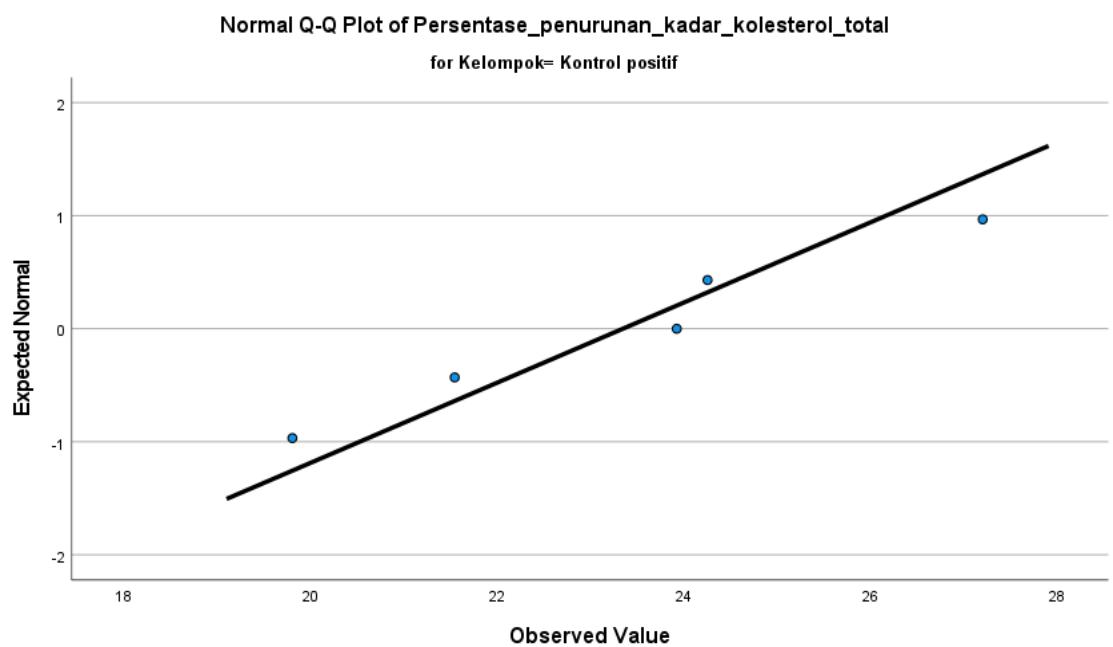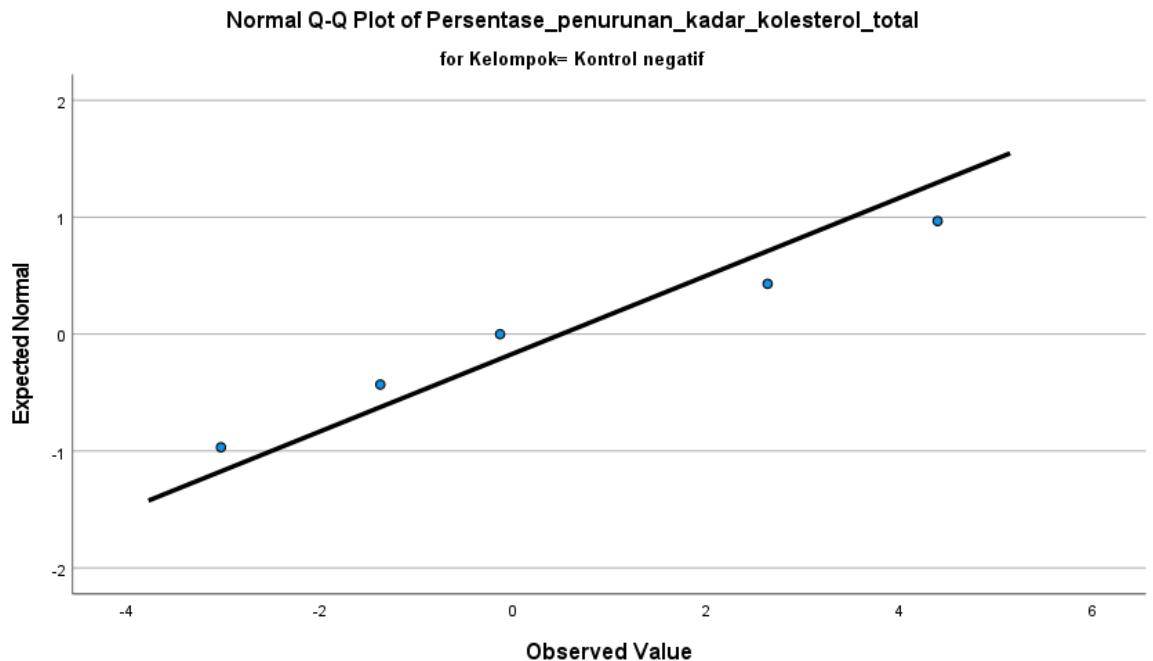
Normal Q-Q Plot of Persentase_penurunan_kadar_kolesterol_total

for Kelompok= Kontrol negatif

Normal Q-Q Plot of Persentase_penurunan_kadar_kolesterol_total

for Kelompok= Kontrol positif

Normal Q-Q Plot of Persentase_penurunan_kadar_kolesterol_total
for Kelompok= Dosis ekstrak 100 mg/kg BB
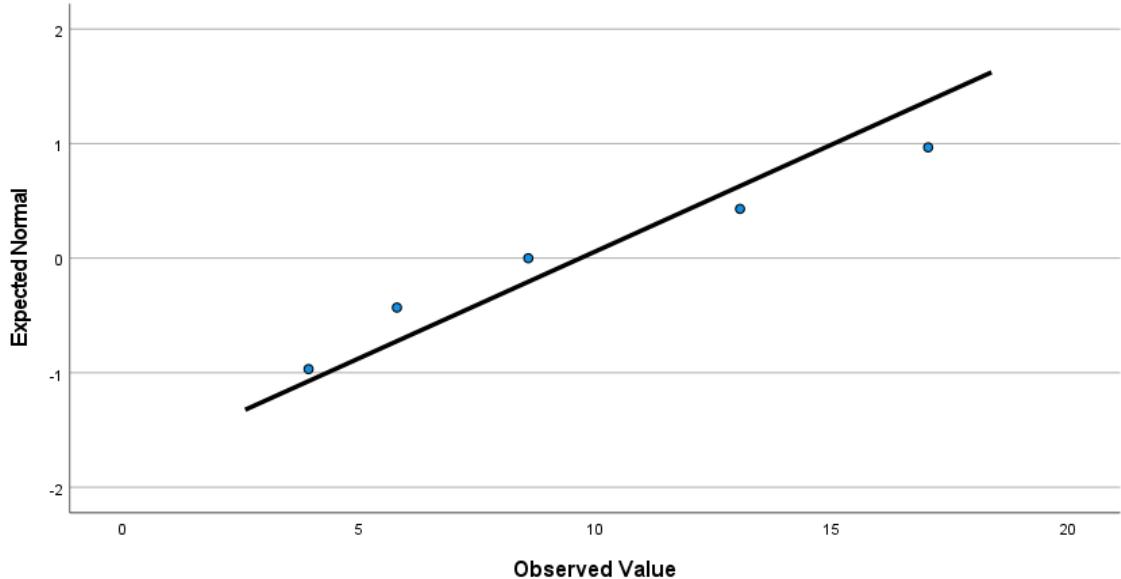
Normal Q-Q Plot of Persentase_penurunan_kadar_kolesterol_total
for Kelompok= Dosis ekstrak 200 mg/kg BB
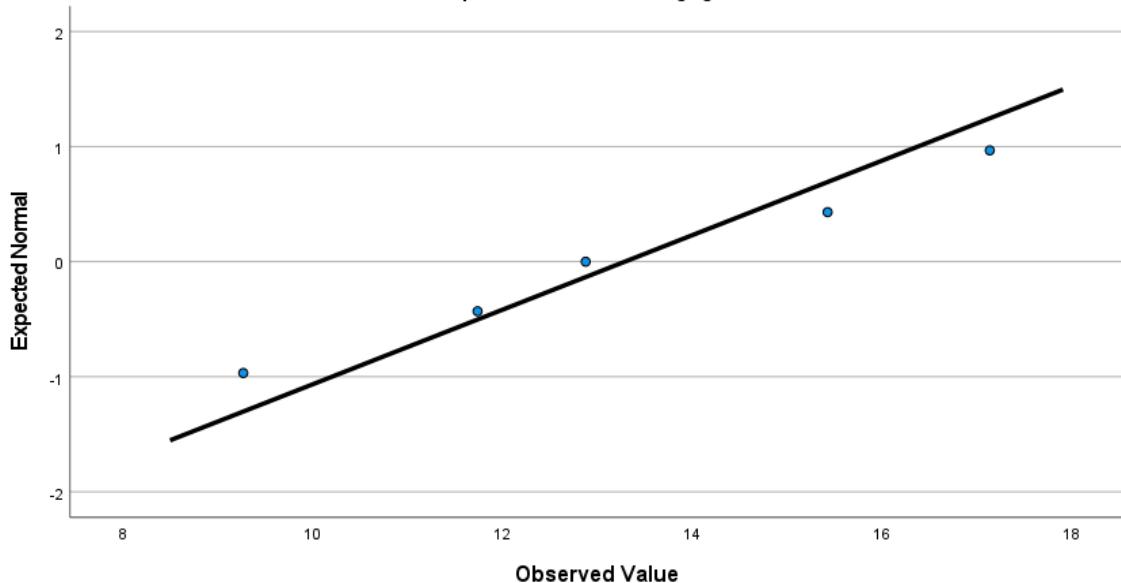
Normal Q-Q Plot of Persentase_penurunan_kadar_kolesterol_total

for Kelompok= Dosis ekstrak 400 mg/kg BB
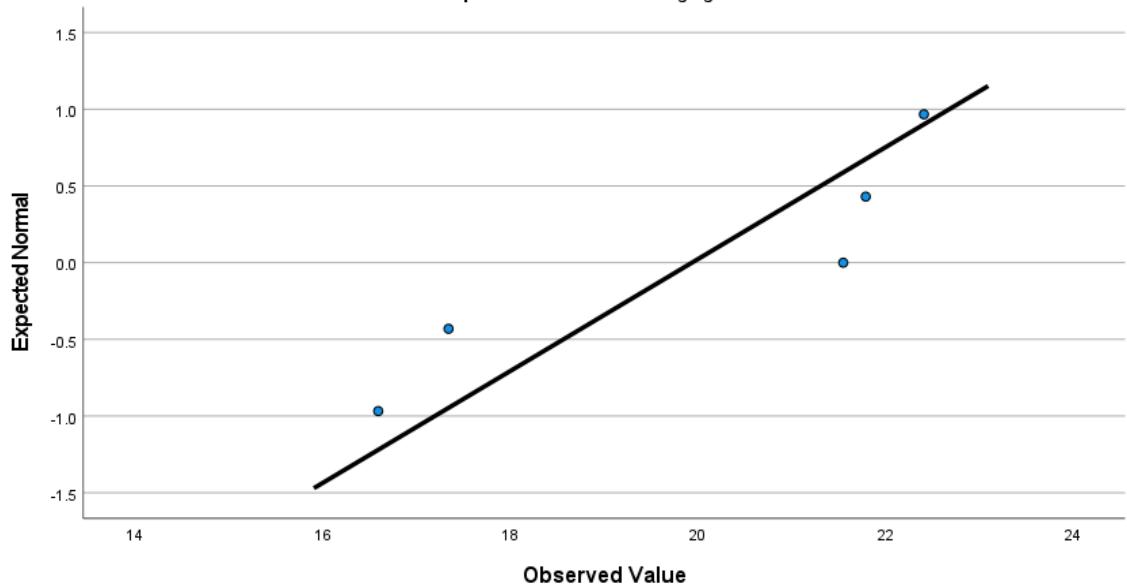
Detrended Normal Q-Q Plots

Detrended Normal Q-Q Plot of Persentase_penurunan_kadar_kolesterol_total

for Kelompok= Kontrol negatif
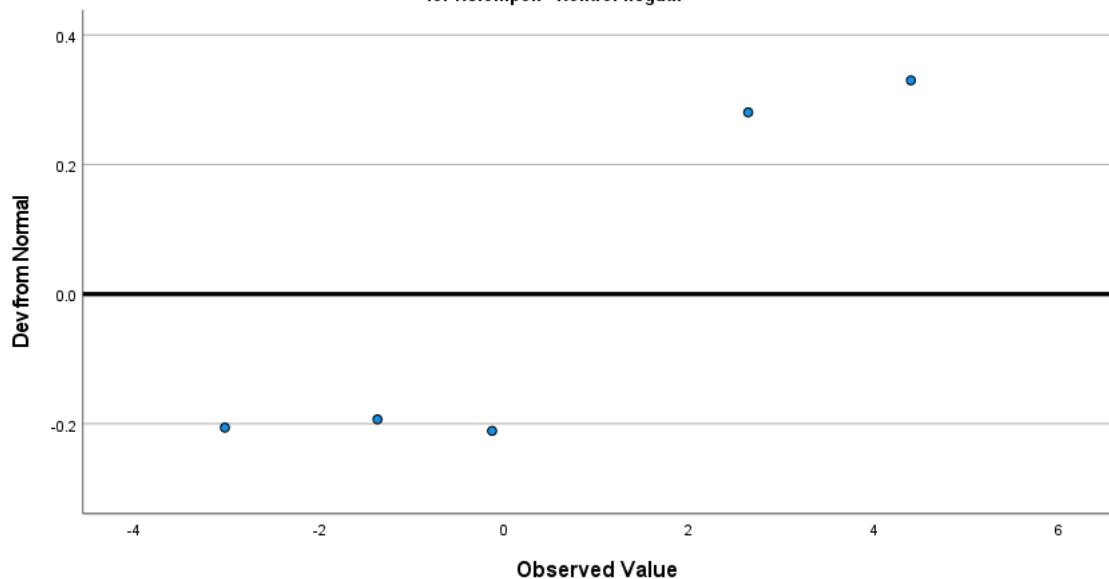
Detrended Normal Q-Q Plot of Persentase_penurunan_kadar_kolesterol_total

for Kelompok= Kontrol positif

Detrended Normal Q-Q Plot of Persentase_penurunan_kadar_kolesterol_total

for Kelompok= Dosis ekstrak 100 mg/kg BB

Detrended Normal Q-Q Plot of Persentase_penurunan_kadar_kolesterol_total
for Kelompok= Dosis ekstrak 200 mg/kg BB
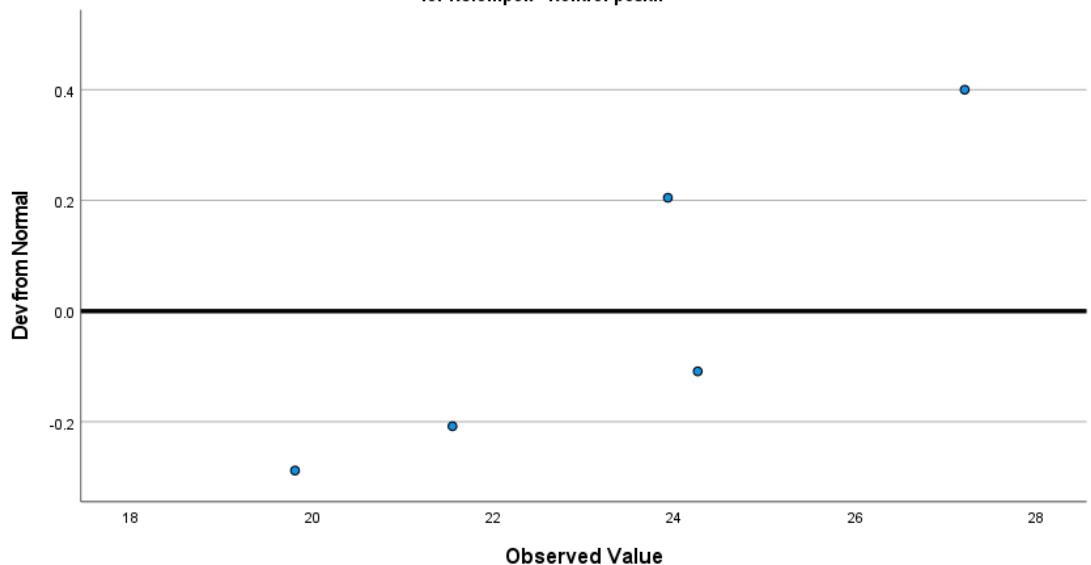
Detrended Normal Q-Q Plot of Persentase_penurunan_kadar_kolesterol_total
for Kelompok= Dosis ekstrak 400 mg/kg BB
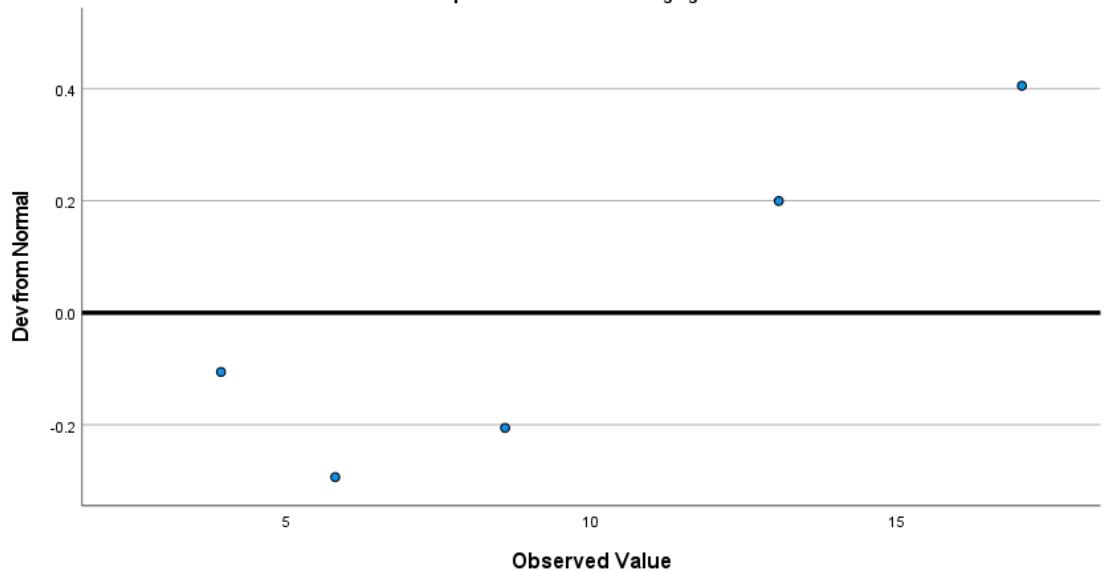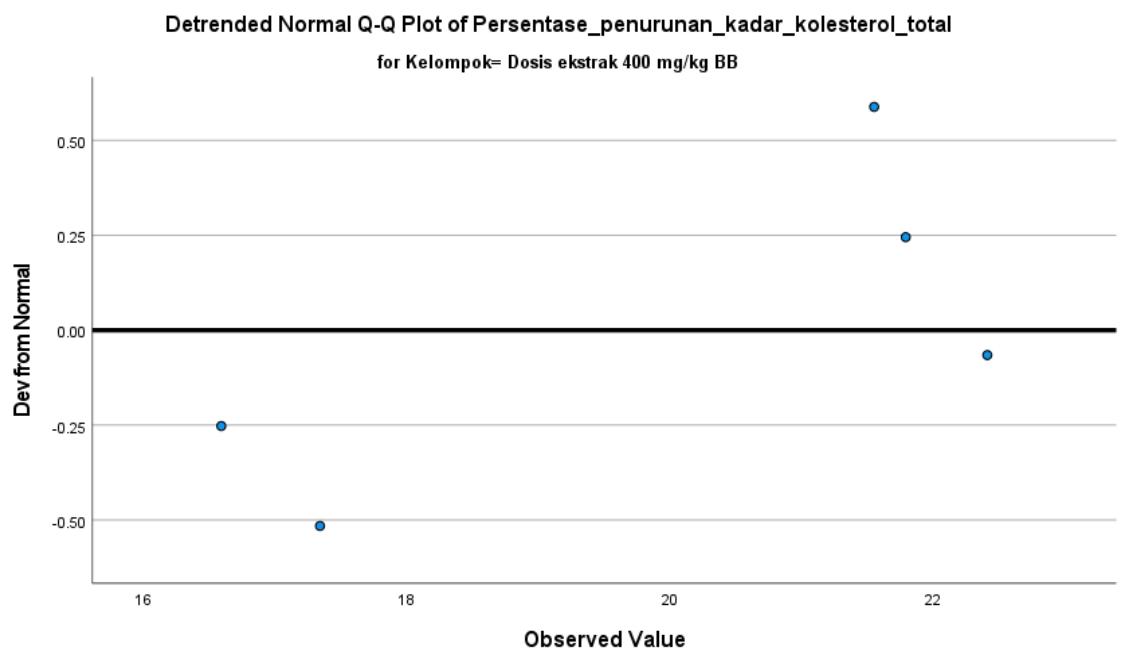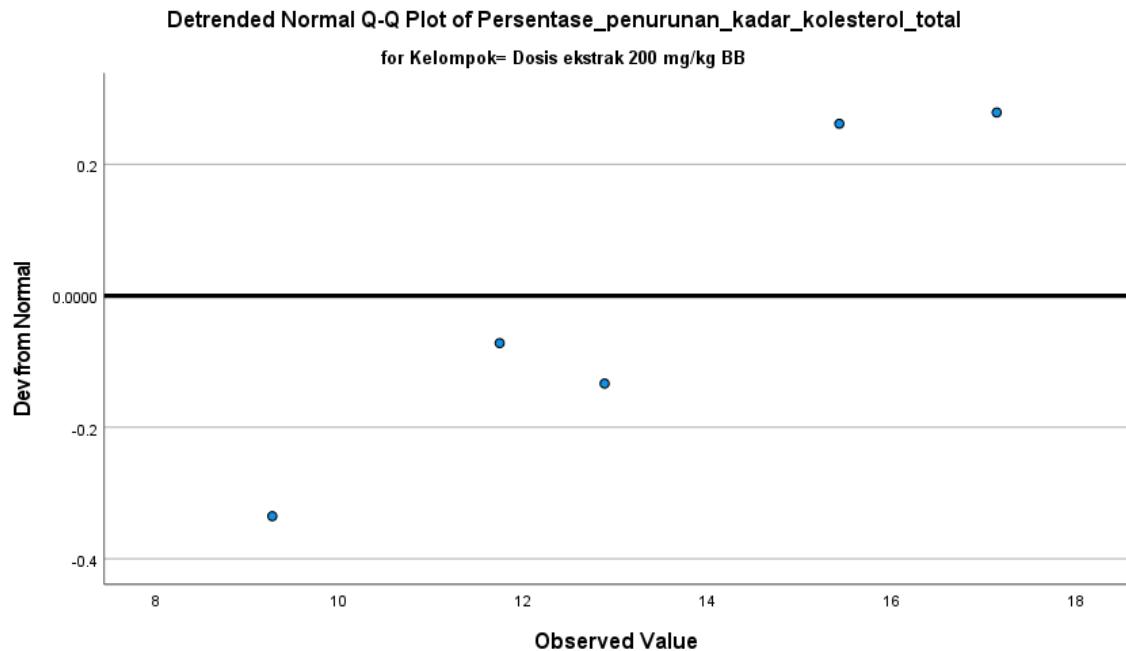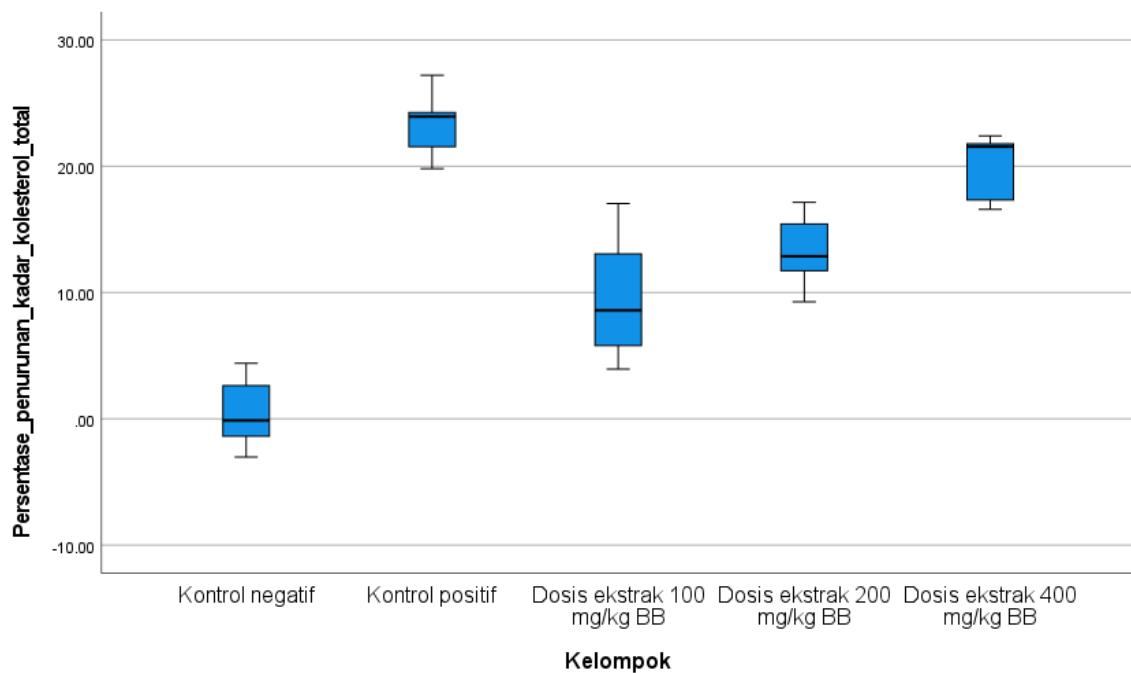
Oneway

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Persentase_penurunan_kadar_kolesterol_total	Based on Mean	1.568	4	20	.221
	Based on Median	.764	4	20	.561
	Based on Median and with adjusted df	.764	4	15.824	.564
	Based on trimmed mean	1.511	4	20	.237

ANOVA

Persentase_penurunan_kadar_kolesterol_total

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1609.097	4	402.274	32.046	<,001
Within Groups	251.061	20	12.553		
Total	1860.158	24			

ANOVA Effect Sizes[a]

		Point Estimate	95% Confidence Interval Lower	Upper
Persentase_penurunan_kadar_kolesterol_total	Eta-squared	.865	.668	.902
	Epsilon-squared	.838	.602	.883
	Omega-squared Fixed-effect	.832	.592	.878
	Omega-squared Random-effect	.554	.266	.643

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Persentase_penurunan_kadar_kolesterol_total
Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
Kontrol negatif	Kontrol positif	-22.84800[*]	2.24081	<,001	-29.5533	-16.1427
	Dosis ekstrak 100 mg/kg BB	-9.18800[*]	2.24081	.004	-15.8933	-2.4827
	Dosis ekstrak 200 mg/kg BB	-12.78800[*]	2.24081	<,001	-19.4933	-6.0827
	Dosis ekstrak 400 mg/kg BB	-19.43200[*]	2.24081	<,001	-26.1373	-12.7267
Kontrol positif	Kontrol negatif	22.84800[*]	2.24081	<,001	16.1427	29.5533

	Dosis ekstrak 100 mg/kg BB	13.66000*	2.24081	<,001	6.9547	20.3653
	Dosis ekstrak 200 mg/kg BB	10.06000*	2.24081	.002	3.3547	16.7653
	Dosis ekstrak 400 mg/kg BB	3.41600	2.24081	.559	-3.2893	10.1213
Dosis ekstrak 100 mg/kg BB	Kontrol negatif	9.18800*	2.24081	.004	2.4827	15.8933
	Kontrol positif	-13.66000*	2.24081	<,001	-20.3653	-6.9547
	Dosis ekstrak 200 mg/kg BB	-3.60000	2.24081	.510	-10.3053	3.1053
	Dosis ekstrak 400 mg/kg BB	-10.24400*	2.24081	.002	-16.9493	-3.5387
Dosis ekstrak 200 mg/kg BB	Kontrol negatif	12.78800*	2.24081	<,001	6.0827	19.4933
	Kontrol positif	-10.06000*	2.24081	.002	-16.7653	-3.3547
	Dosis ekstrak 100 mg/kg BB	3.60000	2.24081	.510	-3.1053	10.3053
	Dosis ekstrak 400 mg/kg BB	-6.64400	2.24081	.053	-13.3493	.0613
Dosis ekstrak 400 mg/kg BB	Kontrol negatif	19.43200*	2.24081	<,001	12.7267	26.1373
	Kontrol positif	-3.41600	2.24081	.559	-10.1213	3.2893
	Dosis ekstrak 100 mg/kg BB	10.24400*	2.24081	.002	3.5387	16.9493
	Dosis ekstrak 200 mg/kg BB	6.64400	2.24081	.053	-.0613	13.3493

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

Homogeneous Subsets

Persentase_penurunan_kadar_kolesterol_total

Tukey HSD[a]

Kelompok	N	Subset for alpha = 0.05			
		1	2	3	4
Kontrol negatif	5	.5040			
Dosis ekstrak 100 mg/kg BB	5		9.6920		
Dosis ekstrak 200 mg/kg BB	5		13.2920	13.2920	
Dosis ekstrak 400 mg/kg BB	5			19.9360	19.9360
Kontrol positif	5				23.3520
Sig.		1.000	.510	.053	.559

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.