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LAMPIRAN GAMBAR PENELITIAN

1. Lembar etik penelitian

KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS HASANUDDIN
FAKULTAS KEDOKTERAN GIGI
RUMAH SAKIT GIGI DAN MULUT
KOMITE ETIK PENELITIAN KESEHATAN
Sekretariat : Lantai 2, Gedung Lama RSGM Unhas
JL.Kandea No. 5 Makassar
Contact Person: drg. Muhammad Ikbal, Sp.Pros/Nur Aedah AR TELP. 081342971011/08114919191

RSGMP

REKOMENDASI PERSETUJUAN ETIK
Nomor: 0045/PL.09/KEPK FKG-RSGM UNHAS/2021

Tanggal: 17 Mei 2021

Dengan ini menyatakan bahwa protokol dan dokumen yang berhubungan dengan protokol berikut ini telah mendapatkan persetujuan etik:

No. Protokol	UH 17120449	No Protokol Sponsor	
Peneliti Utama	Drg. Sitti Raodah Juanita Ramadhan	Sponsor	Pribadi
Judul Peneliti	Efektivitas Bone Graft yang Mengandung Cangkang Kerang Mutiara (Pinctada Maxima) terhadap Regenerasi Tulang Melalui Analisis Ekspresi TGF-β		
No. Versi Protokol	1	Tanggal Versi	05 Mei 2021
No. Versi Protokol		Tanggal Versi	
Tempat Penelitian	1. Laboratorium Politeknik Kimia Unhas 2. Laboratorium Hewan-entomologi FK Unhas 3. Balai Besar Laboratorium Keschatan Makassar 4. Laboratorium Penelitian dan Pengembangan Science FMIPA Unhas 5. Klinik Hewan Lacoste 6. Laboratorium Patologi Anatomi RSPTN Unhas 7. Laboratorium Biokimia-Biomolekuler FK Universitas Brawijaya		
Dokumen Lain			
Jenis Review	☐ Exempted x Expedited ☐ Fullboard	Masa Berlaku 17 Mei 2021-17 Mei 2022	Frekuensi Review Lanjutan
Ketua Komisi Etik Penelitian	Nama: Dr. drg. Marhamah, M.Kes	Tanda Tangan	Tanggal
Sekretaris Komisi Etik Penelitian	Nama: drg. Muhammad Ikbal, Sp.Pros	Tanda Tangan	Tanggal

Kewajiban peneliti utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum diimplementasikan
- Menyerahkan laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan lapor SUSAR dalam 72 jam setelah peneliti utama menerima laporan.
- Menyerahkan laporan kemajuan (*progress report)* setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah.
- Menyerahkan laporan akhir setelah penelitian berakhir.
- Melaporkan penyimpangan dari protokol yang disetujui (*protocol deviation/violation)*
- Mematuhi semua aturan yang berlaku.

2. Persiapan Bubuk bonegraft yang mengandung cangkang kerang mutiara Pinctada maxima

Pertama dilakukan dengan membersihkan cangkang. Cangkang disikat hingga bersih, kemudian dikeringkan dengan memanfaatkan panas matahari. Cangkang dipecah menjadi ukuran lebih kecil dan di-*furnance* selama 2 jam. Hasil sampel kemudian disaring dengan ukuran -50+60 mesh sehingga diperoleh serbuk cangkang kerang mutiara. Serbuk diuji menggunakan *Atomic Absorption Spectrophotometry (*AAS) untuk mengetahui kandungan kalsium

3. Pembuatan *Bone graft* di Lab politeknik unhas dan entomologi FK Unhas

Sampel di *furnace* 900 ^{o}C dan dikalsinasi untuk memperoleh kandungan CaO. Serbuk cangkang kerang mutiara disintesis menggunakan senyawa HNO_3 dan diaduk dengan kecepatan 350rpm selama 30 menit. Kemudian dipanaskan suhu 60 ^{o}C dan ditambahkan NH_4OH, diatur pada pH 12 kemudian disaring. Filtrat yang diperoleh dialirkan gas CO_2, 90 menit dengan laju alir 120 ml/mnt. Setelah itu, di saring dengan aquades hingga diperoleh pH7 kemudian dipanaskan di oven 110-115 ^{o}C.

4. Hasil Analisa Kandungan kalsium bahan sebelum diolah dengan Analisa AAS

KEMENTERIAN KESEHATAN RI
DIREKTORAT JENDERAL PELAYANAN KESEHATAN
BALAI BESAR LABORATORIUM KESEHATAN MAKASSAR
Jl. Perintis Kemerdekaan KM.11 Tamalanrea Makassar 90245

LAPORAN HASIL UJI

Report of Analysis

No : 21008733 / LHU / BBLK-MKS / IV / 2021

Nama Customer	:	SITTI RAODA JUANITA RAMADHAN
Customer Name	:	
Alamat	:	Fakultas Kedokteran Gigi / Perlodonsia
Address	:	
Jenis Sampel	:	Bubuk Kering
Type of Sample (S)	:	
No. Sampel	:	21008733
No. Sample	:	
Tanggal Penerimaan	:	20 April 2021
Received Date	:	*April 20, 2021*

HASIL PEMERIKSAAN

NO.	PARAMETER	SATUAN	HASIL PEMERIKSAAN	SPESIFIKASI METODE
1	Kalsium (Ca)	µg/g	321389,92	Atomisasi

Catatan / Note
1 Hasil uji ini berlaku untuk sampel yang diuji
The analytical result are only valid for the tested sample
2 Laporan hasil uji ini terdiri dari 1 halaman
The report of analysis consists of 1 page
3 Laporan hasil uji ini tidak boleh digandakan kecuali secara lengkap dan seizin tertulis Laboratorium Penguji Balai Besar Laboratorium Kesehatan Makassar
This report of analysis shall not be reproduced (copyed) except for the completed one and with theis written permission of the testing Laboratory Balai Besar Laboratorium Kesehatan Makassar.

Makassar, 5 Mei 2021
Kepala Bidang Labkesmas,

AKBAR KARYANEGARA, S.Farm
NIP : [illegible]212000121002

DP/5.10.3/KL/BBLK - Mks; Rev 1; 15 Oktober 2012

Telp. 0411 586458, 586457, 586270 Fax. 0411 586270
Surat Elektronik : bblk_makassar@yahoo.com, bblk.mksr@gmail.com

5. Hasil Analisa Kandungan senyawa bahan setelah diolah dengan Analisa XRF

LAB. PPS FMIPA UNHAS	FORMULIR NO: FSOP-7.8-LPPS-FMIPAUH-01.1	Tanggal Berlaku : 1 Juni 2021
	LAPORAN HASIL PENGUJIAN	Edisi/Revisi Ke: 1/0
		Halaman : 1/2

LAPORAN HASIL PENGUJIAN

CERTIFICATE OF ANALYSIS

Nomor Pekerjaan : **LPPS.XJ-2104-10/1**
Job Number

Dipersembahkan Kepada
Presented To

Kepada Yth *Attention*	: **Sitti Raoda Juanita Ramadhan, drg**	**Jabatan** *Job Title*	: **Peneliti**
Nama Pleanggan *Customer Name*	: **Sitti Raoda Juanita Ramadhan, drg**	**Tujuan Pengujian** *Purpose of analysis*	: **Penelitian**
Alamat/Universitas *Address/University*	: **FKG UNHAS**	**No. Faks/** *Fax No.*	: -
		No. Telp./ *Phone No.*	: **082187598400**
Tanggal Sampel Diterima *Dale of Sample Receipt*	: **25 Mei 2021**	**Tanggal Sampel Diaoalisis** *Dale of Sample Analysed*	: **26 Mei 2021**
Email	: **raoda.jr@gmail.com**		
Nama Pengujian *Name of analysis*	: **Analisis komponen kimia pada Serbuk Cangkang Kerang**	**Total Halaman**	: **2**

Hasil hanya berhubungan dengan contoh yang diuji dan laporan ini tidak boleh digandakan kecuali seluruhnya.
The result relate only to the samples tested and this report shall not be reproduced except in full/

LABORATORIUM PENELITIAN DAN PENGEMBANGAN SAINS
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
UNIVERSITAS HASANUDDIN
Jl. Perintls Kemerdekaan Km. 10, Tamalanrea, Makassar 90245
Telepon 0411-586016, Fax. 0411-588551.Email: lpps.fmipa.unhas@gmail.com

LAPORAN PENGUJIAN

Nomor: LPPS.XJ-2104-10/1

Nama Pleanggan : **Sitti Raoda Juanita Ramadhan, drg**
Customer Name
Alamat : **FKG UNHAS**
Address/University
Jenis Sampel : **Serbuk Cangkang Kerang**
Type of Sample (s)
Tanggal Penerimaan: **25 Mei 2021**
Received Date
Tanggal Analisis : **26 Mei 2021**
Analysis Date
Email : **raoda.jr@gmail.com**
Email

Setelah dilakukan pengujian diperoleh hasil sebagai berikut:

Parameter	Satuan	Hasil
Ca	m/m%	99.66
Si	m/m%	0.26
Nb	m/m%	0.0253
Mo	m/m%	0.0159
Sb	m/m%	0.0089
Ru	m/m%	0.0066
Te	m/m%	0.0059
In	m/m%	0.0059
Sn	m/m%	0.0059

Parameter	Satuan	Hasil
CaO	m/m%	99.49
SiO2	m/m%	0.45
Nb2O5	m/m%	0.0225
MoO3	m/m%	0.0148
Sb2O3	m/m%	0.0071
RuO4	m/m%	0.0054

Makassar, 7 Juni 2021
Wakil Penanggung Jawab Teknis

Mahdalia, S.Si, M.Si
NIP. 197508261996012001

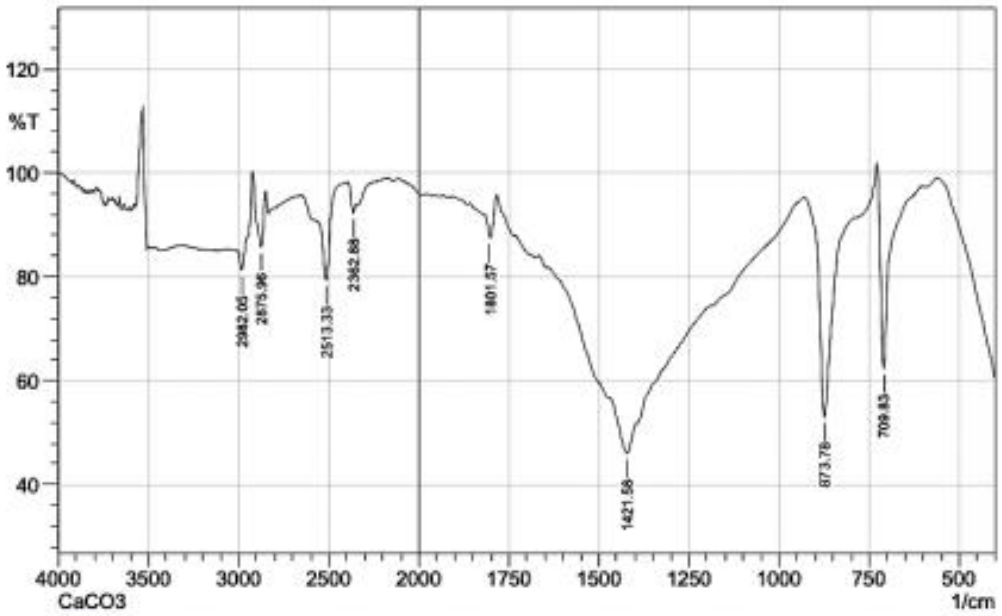
Catatan:
- Hasil Uji hanya berlaku untuk contoh tersebut di atas
- Dilarang mengutip/menyalin sebagian isi hasil uji ini

6. Hasil Analisa Kandungan senyawa bahan setelah diolah dengan Analisa FTIR

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
POLITEKNIK NEGERI UJUNG PANDANG
. Perintls Kemerdekaan Km. 10 Tamalanrea, Makassar 90245
Telepon: (0411)-585365,585367,585368; Faksimili (0411)-586043
Website: http://www.poliupg.ac.id/
E-mail: pnup@poliupg.ac.id

LAPORAN HASIL PENGUJIAN

INTERPRETASI SPEKTROSKOPI INFRAMERAH $CaCO_3$



	Peak	Intensity	Corr. Intensity	Base (H)	Base (L)	Area	Corr. Area
1	709.83	62.43	38.71	727.19	603.74	6.72	6.49
2	873.78	53.06	43.97	929.72	727.19	14.95	13.56
3	1421.58	46.1	7.6	1469.81	1394.58	22.33	2.39
4	1801.57	87.46	7.87	1857.51	1782.29	2.75	1.06
5	2362.88	92.23	3.28	2393.74	2345.52	1.14	0.3
6	2513.33	79.35	17.65	2656.07	2393.74	9.33	5.72
7	2875.96	85.78	11.94	2922.25	2850.88	2.95	2.41
8	2982.05	81.36	11.59	3045.7	2922.25	7.87	3.65

Area Frekuensi (cm^{-1})	Gugus Fungsi
1421.58	$CaCO_3$
873.78	C-O
709.83	C-O

Kesimpulan:
Berdasarkan pita spektrum inframerah, senyawa bahan uji mengandung kalsium karbonat murni

Makassar, 3 Juni 2021
Koordinator HI Teknik Kimia

HI Jurusan Teknik Kimia
Politeknik Negeri Ujung Pandang

(M.Yasser, S.Si., M.Si)

7. Hasil Analisa Kandungan senyawa bahan setelah diolah dengan Analisa XRD

LAB. PPS FMIPA UNHAS	FORMULIR NO: FSOP-7.8-LPPS-FMIPAUH-01.1	Tanggal Berlaku : 1 Juni 2021
	LAPORAN HASIL PENGUJIAN	Edisi/Revisi Ke: 1/0
		Halaman : 1/2

LAPORAN HASIL PENGUJIAN

CERTIFICATE OF ANALYSIS

Nomor Pekerjaan : **LPPS.XJ-2104-10/2**
Job Number

Dipersembahkan Kepada
Presented To

Kepada Yth *Attention*	: **Sitti Raoda Juanita Ramadhan, drg**	**Jabatan** *Job Title*	: **Peneliti**
Nama Pleanggan *Customer Name*	: **Sitti Raoda Juanita Ramadhan, drg**	**Tujuan Pengujian** *Purpose of analysis*	: **Penelitian**
Alamat/Universitas *Address/University*	: **FKG UNHAS**	**No. Faks/** *Fax No.*	: -
		No. Telp./ *Phone No.*	: **082187598400**
Tanggal Sampel Diterima *Dale of Sample Receipt*	: **25 Mei 2021**	**Tanggal Sampel Diaoalisis** *Dale of Sample Analysed*	: **26 Mei 2021**
Email	: **raoda.jr@gmail.com**		
Nama Pengujian *Name of analysis*	: **Analisis kristalinitas pada Serbuk Cangkang Kerang**	**Total Halaman**	: **2**

Hasil hanya berhubungan dengan contoh yang diuji dan laporan ini tidak boleh digandakan kecuali seluruhnya.
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LABORATORIUM PENELITIAN DAN PENGEMBANGAN SAINS
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Jl. Perintls Kemerdekaan Km. 10, Tamalanrea, Makassar 90245
Telepon 0411-586016, Fax. 0411-588551.Email: lpps.fmipa.unhas@gmail.com

LAPORAN HASIL PENGUJIAN

Nomor: LPPS.XJ-2104-10/2

Nama Pleanggan : **Sitti Raoda Juanita Ramadhan.**
Customer Name
Alamat : **FKG UNHAS**
Address/University
Jenis Sampel : **Serbuk Cangkang Kerang**
Type of Sample (s)
Tanggal Penerimaan : **25 Mei 2021**
Received Date
Tanggal Analisis : **26 Mei 2021**
Analysis Date
Email : **raoda.jr@gmail.com**
Email

Setelah dilakukan pengujian diperoleh hasil sebagai berikut:

Group : Standard (Crystalinity)

Data : LPPS.XJ-2104-10/2

Strongest 3 peaks

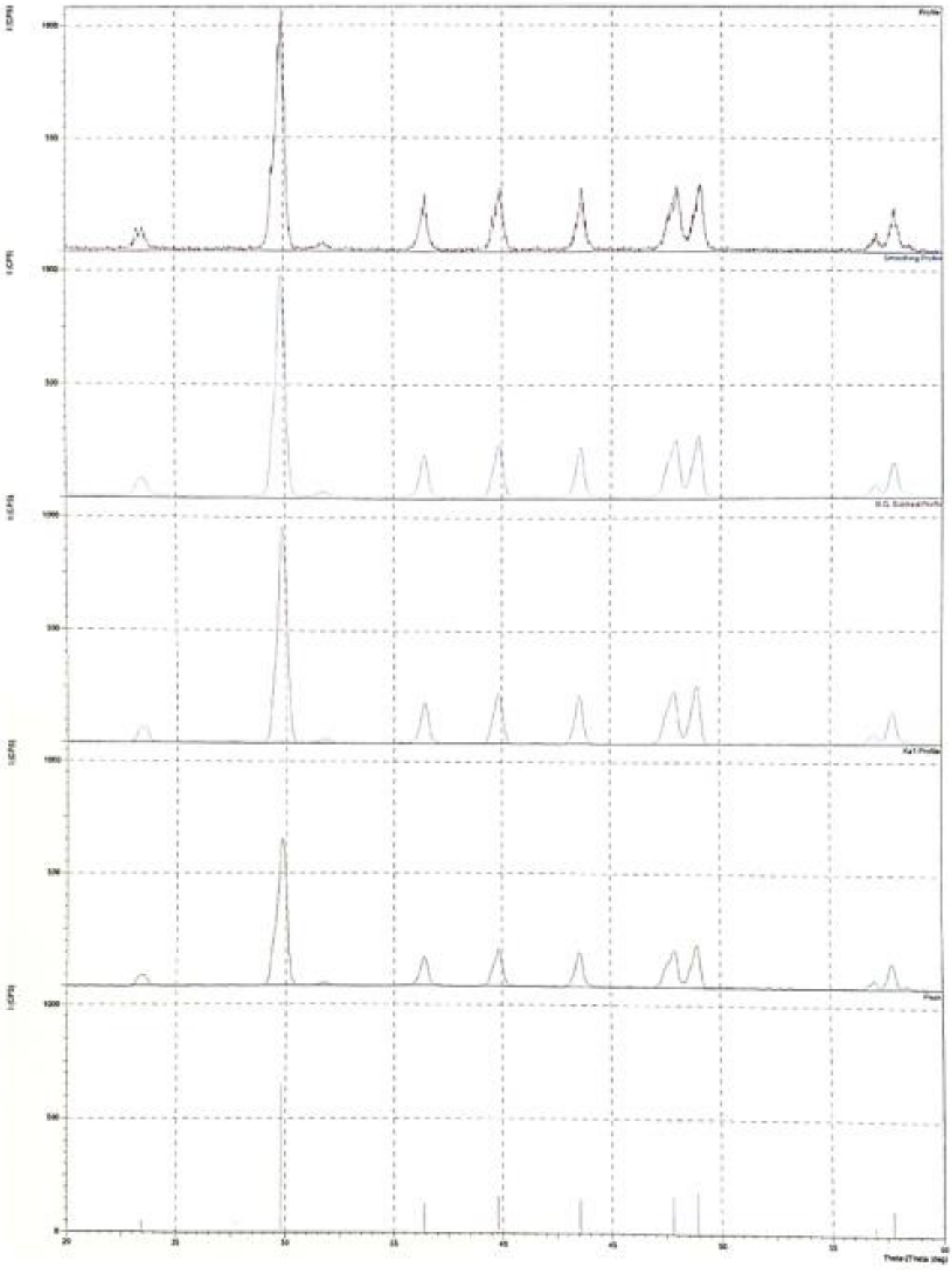
No.	Peak No.	2Theta (deg)	d (A)	I/I1	FWHM (deg)	Intensity (Counts)	Integrated Int (Counts)
1.	2	29.8259	2.99319	100	0.48120	392	10600
2.	7	48.9166	1.86049	29	0.43330	112	2601
3.	6	47.7986	1.90136	25	0.60720	99	3137

Makassar, 7 Juni 2021
Penanggung Jawab Teknis

Mahdaha, S.Si, M.Si
NIP. 19750826199601200l

Catatan:
- Hasil Uji hanya berlaku untuk contoh tersebut di atas
- Dilarang mengutip/menyalin sebagian isi hasil uji ini

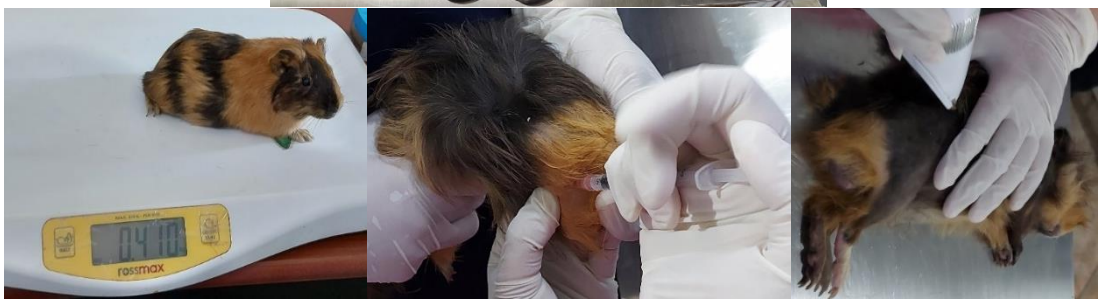
< Group: Standard Data: Cal#carb#cryst >



8. Adaptasi Hewan

Sebelum perlakuan, semua marmut diadaptasikan dan dipelihara secara berkelompok (4-5 marmut per kandang). Adaptasi hewan dilakukan selama 7 hari sebelum perlakuan untuk mengkondisikan hewan dalam keadaan sehat. Makanan berupa pellet dan sayuran yang setiap hari dikombinasikan

9. Perlakuan pada hewan coba



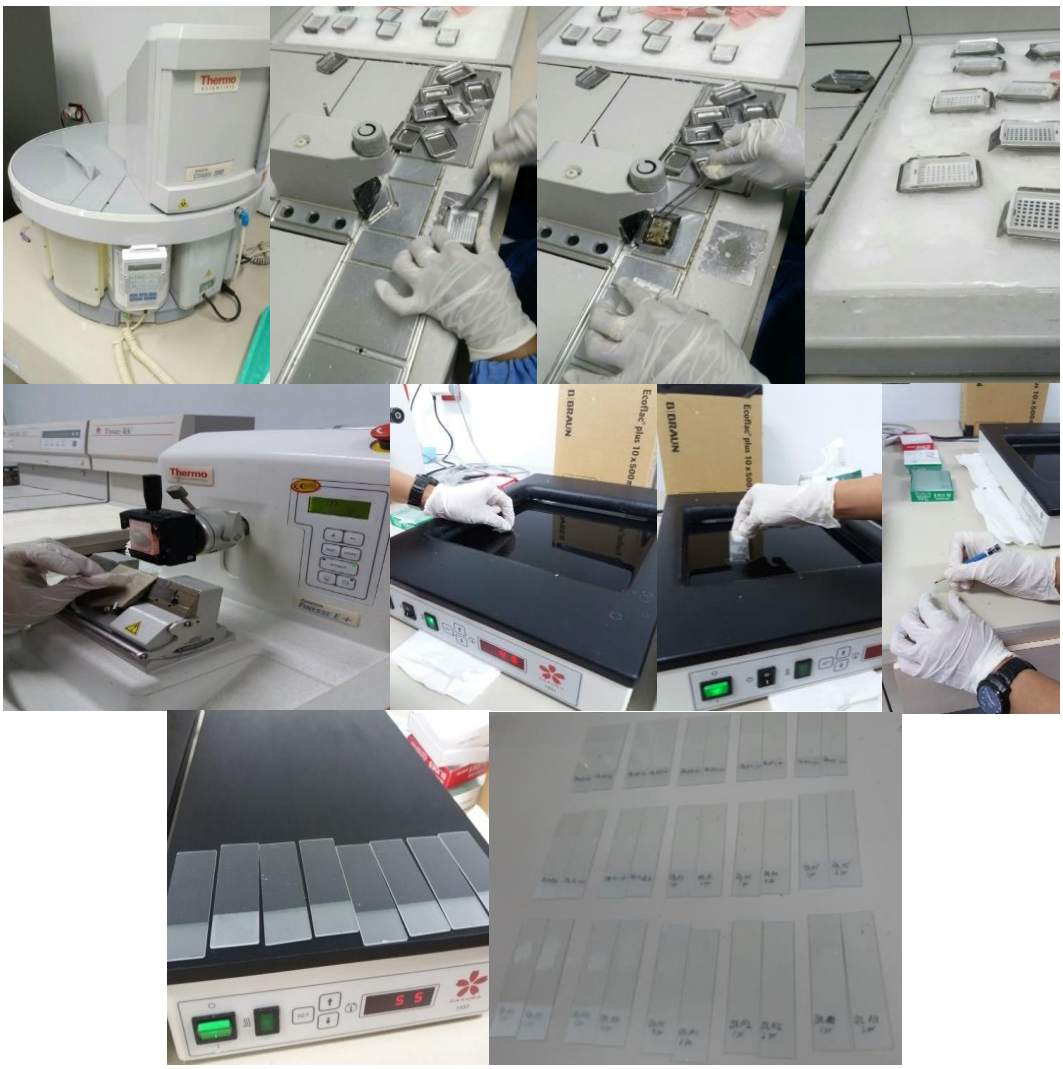
Pertama-tama dilakukan persiapan alat. Menimbang berat badan masing-masing marmut, untuk mengukur dosis anestesi marmut. Menyuntikkan anestesi sesuai dosis pada paha kanan marmut. Marmut dicukur bulunya pada bagian femur untuk mensterilkan daerah operasi

Dilakukan disinfeksi pada daerah kerja, selanjutnya dilakukan insisi sepanjang 2cm dengan scalpel pada femur marmut (kulit dan otot) yang dibuka dengan menggunakan periosteal elevator sehingga daerah yang akan dibuat defek terlihat dengan jelas. Kemudian jaringan tulang dibur dengan round bur 3 mm. Secara acak diberikan perlakuan sesuai pembagian kelompok (KN, KP, PM). Dilakukan penjahitan dan antibiotic profilaksis di permukaan luar penjahitan

10. Pengambilan jaringan tulang

euthanasia marmut dengan menggunakan eter yang dimasukkan pada toples. Pengambilan spesimen dilakukan dengan menggunakan alat bedah minor steril. Jaringan tulang ditempatkan dalam pot steril yang berisi formalin 10 % dan diberi label.

11. Pembuatan Slide



\

Jaringan yang telah dipotong dimasukkan ke dalam kaset dan diproses di dalam mesin prosesing jaringan (Tissue Automatics Prosessor). Proses Embedding (jaringan yang telah diproses dalam mesin prosesingan diblok menggunakan parafin cair). Potong jaringan dalam blok paraffin menggunakan mikrotom dengan ketebalan 3-4µm.Pita jaringan yang terbentuk dicelupkan ke dalam *Waterbath.*Ambil potongan jaringan dengan slide lalu tiriskan. Tuliskan kode pada slide sesuai dengan kode yang tertera pada blok paraffin menggunakan pensil. Panaskan slide diatas Hot Plate selama 1 jam

12. Pemeriksaan Immunohistokimia

Deparafinasi (Xylol I, Xylol II, Xylol III) masing-masing 5 menit. Selanjutnya dilakukan rehidrasi dengan etanol konsentrasi menurun (Alkohol 96%, Alkohol 80%, Alkohol 70%), masing-masing selama 5 menit, diikuti pembilasan dengan Phosphate Buffer Saline (PBS) selama 3x5 menit. Sediaan jaringan kemudian diinkubasi pada DAKO® Buffer Antigen Retrieval pada microwave dengan suhu 94ºC selama 20 menit dan dilanjutkan dengan pendinginan pada suhu ruang selama 20 menit. Langkah selanjutnya, sediaan dicuci dengan PBS selama 3x5 menit, dan diinkubasi pada Blok Peroksidase (Novocastra®) selama 20 menit. Selanjutnya sediaan dicuci kembali dengan PBS selama 3 × 5 menit dan diinkubasi pada Blok Protein selama 20 menit. Setelah itu dicuci kembali dengan PBS selama 3 × 5 menit dan diinkubasi overnight (12-18 jam) dengan antibodi primer protein (TGF β). pada suhu 4°C. Langkah selanjutnya adalah pembilasan dengan PBS selama 3 × 5 menit dan diinkubasi dengan larutan post primary dan post protein selama 45 menit dan dilanjutkan dengan inkubasi antibodi sekunder (Novolink® Horse Radish Peroxidase (HRP)) selama 60 menit pada suhu ruang. Setelah inkubasi, sediaan dicuci dengan PBS selama 3 × 5 menit dan dilakukan counterstain dengan hematoksilin (Mayer). Cuci air mengalir selama 5 menit Selanjutnya, dilakukan dehidrasi menggunakan etanol konsentrasi meningkat masing-masing 5 menit. Proses selanjutnya adalah dilakukan penjernihan dengan xilol (Xylol I, Xylol II, Xylol III) masing-masing 5 menit. Keringkan slide lalu tetesi dengan entelan dan tutup dengan deck glass. Amati di mikroskop.

13. Hasil Analisa data

Explore

Notes

Output Created		01-OCT-2021 09:56:32
Comments		
Input	Active Dataset	DataSet37
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES= TGFB1 /PLOT BOXPLOT STEMLEAF NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.84
	Elapsed Time	00:00:01.00

[DataSet37]

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
TGFB1	30	100.0%	0	0.0%	30	100.0%

Descriptives

			Statistic	Std. Error
TGFB1	Mean		8.9333	.56514
	95% Confidence Interval for Mean	Lower Bound	7.7775	
		Upper Bound	10.0892	
	5% Trimmed Mean		8.9815	
	Median		9.0000	
	Variance		9.582	
	Std. Deviation		3.09542	
	Minimum		3.00	
	Maximum		14.00	
	Range		11.00	
	Interquartile Range		4.00	
	Skewness		-.285	.427
	Kurtosis		-.452	.833

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TGFB1	.142	30	.127	.953	30	.200

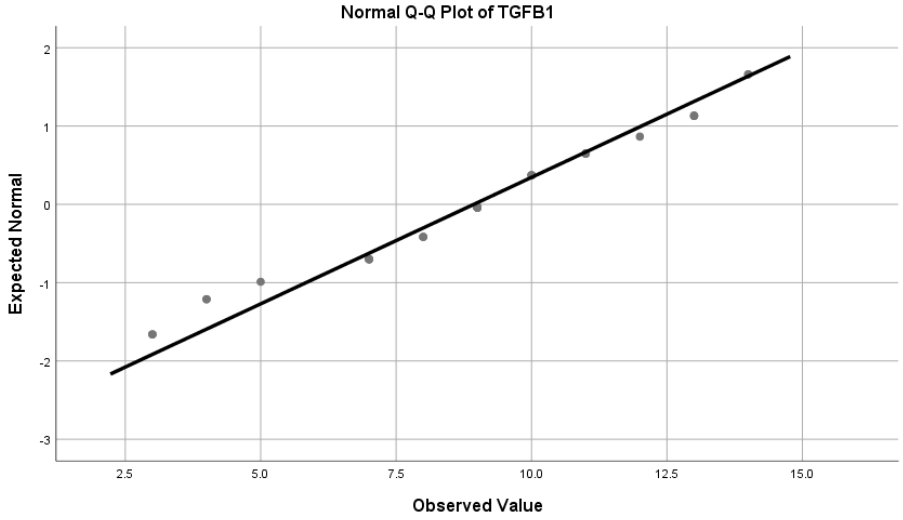
*. This is a lower bound of the true significance.

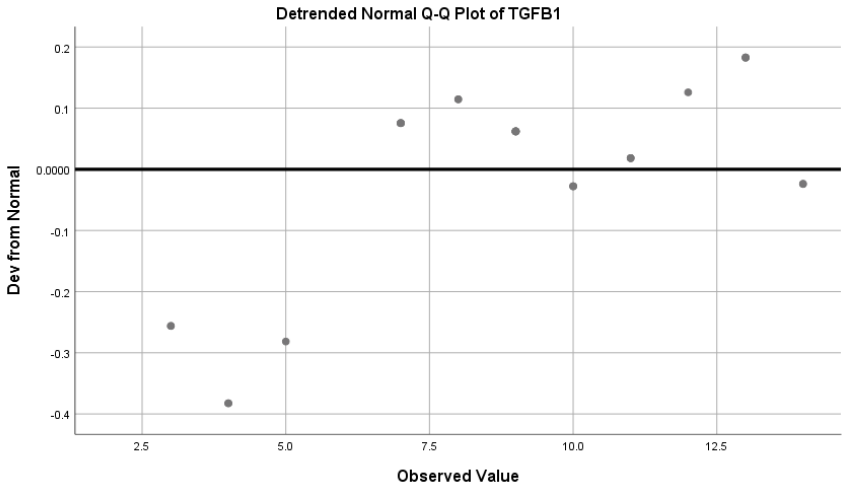
a. Lilliefors Significance Correction

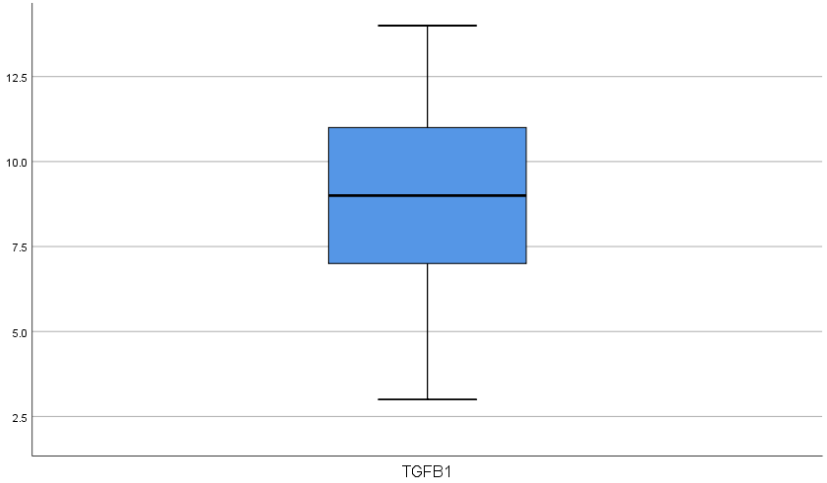
TGFB1

TGFB1 Stem-and-Leaf Plot

```
 Frequency    Stem &  Leaf

     2.00        0 .  33
     3.00        0 .  445
     4.00        0 .  7777
     9.00        0 .  889999999
     6.00        1 .  000111
     4.00        1 .  2333
     2.00        1 .  44

 Stem width:     10.00
 Each leaf:        1 case(s)
```




Detrended Normal Q-Q Plot of TGFB1
Dev from Normal
0.2
0.1
0.0000
-0.1
-0.2
-0.3
-0.4
2.5
5.0
7.5
10.0
12.5
Observed Value


12.5
10.0
7.5
5.0
2.5
TGFB1

```
MEANS TABLES=OPG BMP2 TGFB1 BY Kelompok Pengamatan
  /CELLS=MEAN STDDEV.
```

Means

Notes

Output Created		01-OCT-2021 09:56:51
Comments		
Input	Active Dataset	DataSet37
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Missing Value Handling	Definition of Missing	For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.
	Cases Used	Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
Syntax		MEANS TABLES= TGFB1 BY Kelompok Pengamatan /CELLS=MEAN STDDEV.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
TGFB1 * Kelompok	30	100.0%	0	0.0%	30	100.0%
TGFB1 * Pengamatan	30	100.0%	0	0.0%	30	100.0%

TGFB1 * Kelompok

Kelompok		TGFB1
Negatif	Mean	7.1000
	Std. Deviation	3.41402
Positif	Mean	10.7000
	Std. Deviation	2.45176
Perlakuan	Mean	9.0000
	Std. Deviation	2.44949
Total	Mean	8.9333
	Std. Deviation	3.09542

OPG BMP2 TGFB1 * Pengamatan

Pengamatan		TGFB1
H14	Mean	7.8667
	Std. Deviation	3.02056
H21	Mean	10.0000
	Std. Deviation	2.87849
Total	Mean	8.9333
	Std. Deviation	3.09542

```
ONEWAY TGFB1 BY Kelompok
  /MISSING ANALYSIS
  /POSTHOC=LSD ALPHA(0.05).
```

Oneway

Notes

Output Created		01-OCT-2021 09:58:24
Comments		
Input	Active Dataset	DataSet37
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY TGFB1 BY Kelompok /MISSING ANALYSIS /POSTHOC=LSD ALPHA(0.05).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
TGFB1	Between Groups	64.867	2	32.433	4.111	.028
	Within Groups	213.000	27	7.889		
	Total	277.867	29			

Post Hoc Tests

Multiple Comparisons

LSD

Dependent Variable	(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
TGFB1	Negatif	Positif	-3.60000*	1.25610	.008	-6.1773	-1.0227
		Perlakuan	-1.90000	1.25610	.142	-4.4773	.6773
	Positif	Negatif	3.60000*	1.25610	.008	1.0227	6.1773
		Perlakuan	1.70000	1.25610	.187	-.8773	4.2773
	Perlakuan	Negatif	1.90000	1.25610	.142	-.6773	4.4773
		Positif	-1.70000	1.25610	.187	-4.2773	.8773

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

```
T-TEST GROUPS=Pengamatan(1 2)
  /MISSING=ANALYSIS
  /VARIABLES= TGFB1
  /CRITERIA=CI(.95).
```

T-Test

Notes

Output Created		01-OCT-2021 09:58:47
Comments		
Input	Active Dataset	DataSet37
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Pengamatan(1 2) /MISSING=ANALYSIS /VARIABLES= TGFB1 /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Group Statistics

	Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
TGFB1	H14	15	7.8667	3.02056	.77991
	H21	15	10.0000	2.87849	.74322

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
TGFB1	Equal variances assumed	.056	.815	-1.980	28	.058	-2.13333	1.07733	-4.34014	.07347
	Equal variances not assumed			-1.980	27.935	.058	-2.13333	1.07733	-4.34037	.07370

```
MEANS TABLES=OPG BMP2 TGFB1 BY Pengamatan BY Kelompok
  /CELLS=MEAN STDDEV.
```

Means

Notes

Output Created		01-OCT-2021 10:02:17
Comments		
Input	Active Dataset	DataSet37
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Missing Value Handling	Definition of Missing	For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.

	Cases Used	Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
Syntax		MEANS TABLES= TGFB1 BY Pengamatan BY Kelompok /CELLS=MEAN STDDEV.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
TGFB1 * Pengamatan * Kelompok	30	100.0%	0	0.0%	30	100.0%

Report

Pengamatan	Kelompok		TGFB1
H14	Negatif	Mean	5.6000
		Std. Deviation	2.40832
	Positif	Mean	10.6000
		Std. Deviation	2.40832
	Perlakuan	Mean	7.4000
		Std. Deviation	2.07364

	Total	Mean	7.8667
		Std. Deviation	3.02056
H21	Negatif	Mean	8.6000
		Std. Deviation	3.84708
	Positif	Mean	10.8000
		Std. Deviation	2.77489
	Perlakuan	Mean	10.6000
		Std. Deviation	1.67332
	Total	Mean	10.0000
		Std. Deviation	2.87849
Total	Negatif	Mean	7.1000
		Std. Deviation	3.41402
	Positif	Mean	10.7000
		Std. Deviation	2.45176
	Perlakuan	Mean	9.0000
		Std. Deviation	2.44949
	Total	Mean	8.9333
		Std. Deviation	3.09542

```
USE ALL.
COMPUTE filter_$=(Pengamatan = 1).
VARIABLE LABELS filter_$ 'Pengamatan = 1 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
EXAMINE VARIABLES=OPG BMP2 TGFB1
  /PLOT BOXPLOT STEMLEAF NPPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
```

```
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		01-OCT-2021 10:23:57
Comments		
Input	Active Dataset	DataSet37
	Filter	Pengamatan = 1 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES= TGFB1 /PLOT BOXPLOT STEMLEAF NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.83
	Elapsed Time	00:00:00.86

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
TGFB1	15	100.0%	0	0.0%	15	100.0%

Descriptives

			Statistic	Std. Error
TGFB1	Mean		7.8667	.77991
	95% Confidence Interval for Mean	Lower Bound	6.1939	
		Upper Bound	9.5394	
	5% Trimmed Mean		7.7963	
	Median		8.0000	
	Variance		9.124	
	Std. Deviation		3.02056	
	Minimum		3.00	
	Maximum		14.00	
	Range		11.00	
	Interquartile Range		4.00	
	Skewness		.183	.580
	Kurtosis		-.058	1.121

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TGFB1	.154	15	.200*	.956	15	.616

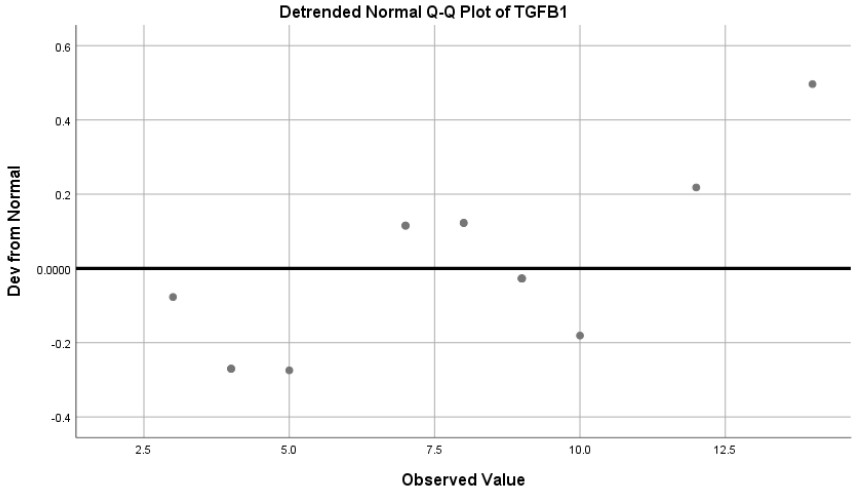
*. This is a lower bound of the true significance.

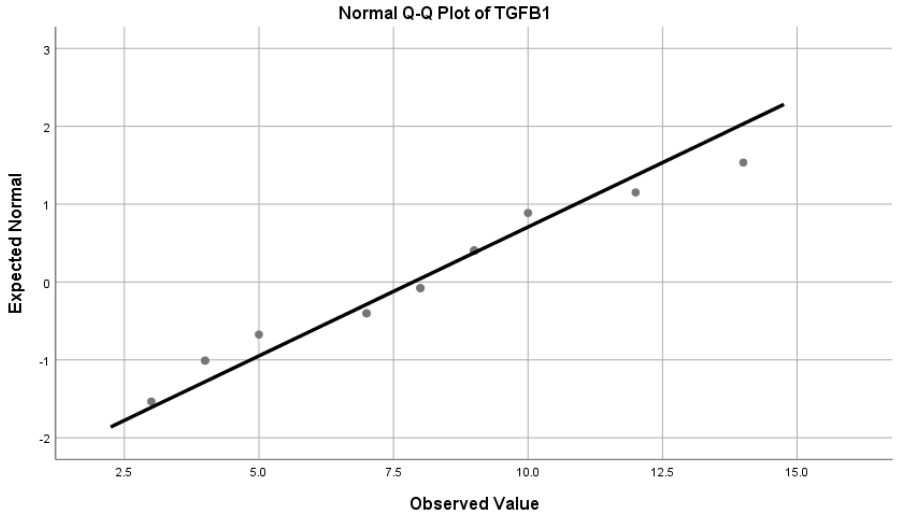
a. Lilliefors Significance Correction

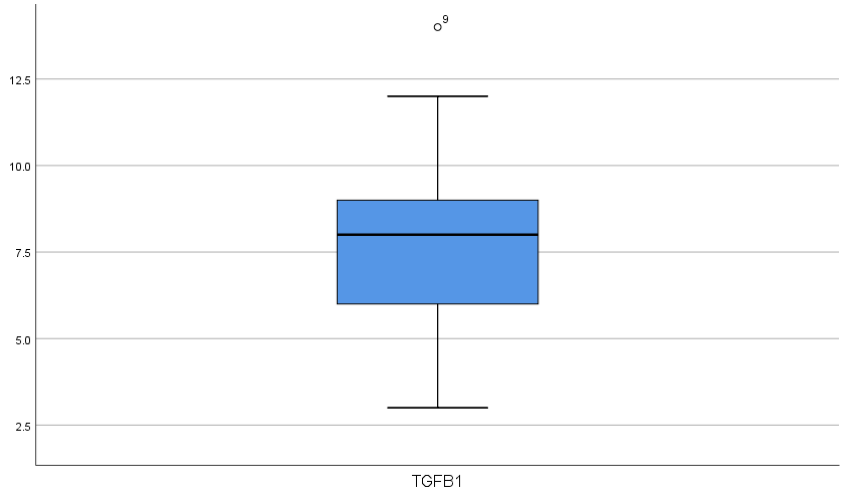
TGFB1

TGFB1 Stem-and-Leaf Plot

```
 Frequency    Stem &  Leaf

     3.00        0 .  344
     9.00        0 .  577889999
     2.00        1 .  02
     1.00 Extremes    (>=14)

 Stem width:     10.00
 Each leaf:        1 case(s)
```







```
ONEWAY OPG BMP2 TGFB1 BY Kelompok
  /MISSING ANALYSIS
  /POSTHOC=LSD ALPHA(0.05).
```

Oneway

Notes

Output Created		01-OCT-2021 10:24:03
Comments		
Input	Active Dataset	DataSet37
	Filter	Pengamatan = 1 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY TGFB1 BY Kelompok /MISSING ANALYSIS /POSTHOC=LSD ALPHA(0.05).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
TGFB1	Between Groups	64.133	2	32.067	6.050	.015
	Within Groups	63.600	12	5.300		
	Total	127.733	14			

Post Hoc Tests

Multiple Comparisons

LSD

Dependent Variable	(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
TGFB1	Negatif	Positif	-5.00000*	1.45602	.005	-8.1724	-1.8276
		Perlakuan	-1.80000	1.45602	.240	-4.9724	1.3724
	Positif	Negatif	5.00000*	1.45602	.005	1.8276	8.1724
		Perlakuan	3.20000*	1.45602	.048	.0276	6.3724
	Perlakuan	Negatif	1.80000	1.45602	.240	-1.3724	4.9724
		Positif	-3.20000*	1.45602	.048	-6.3724	-.0276

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

```
USE ALL.
COMPUTE filter_$=(Pengamatan = 2).
VARIABLE LABELS filter_$ 'Pengamatan = 2 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
EXAMINE VARIABLES=OPG BMP2 TGFB1
  /PLOT BOXPLOT STEMLEAF NPPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		01-OCT-2021 10:24:44
Comments		
Input	Active Dataset	DataSet37
	Filter	Pengamatan = 2 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES= TGFB1 /PLOT BOXPLOT STEMLEAF NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.77
	Elapsed Time	00:00:00.79

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
TGFB1	15	100.0%	0	0.0%	15	100.0%

Descriptives

			Statistic	Std. Error
TGFB1	Mean		10.0000	.74322
	95% Confidence Interval for Mean	Lower Bound	8.4059	
		Upper Bound	11.5941	
	5% Trimmed Mean		10.1667	
	Median		10.0000	
	Variance		8.286	
	Std. Deviation		2.87849	
	Minimum		3.00	
	Maximum		14.00	
	Range		11.00	
	Interquartile Range		4.00	
	Skewness		-.871	.580
	Kurtosis		1.142	1.121

Tests of Normality

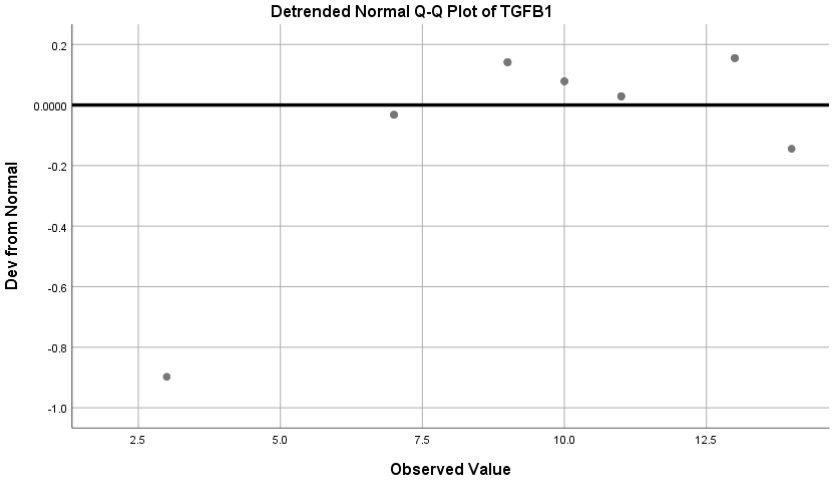
	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TGFB1	.164	15	.200*	.930	15	.272

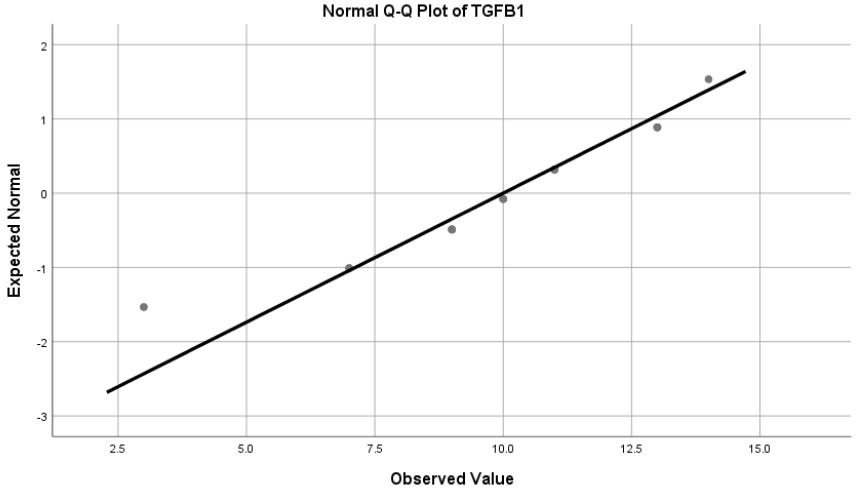
*. This is a lower bound of the true significance.

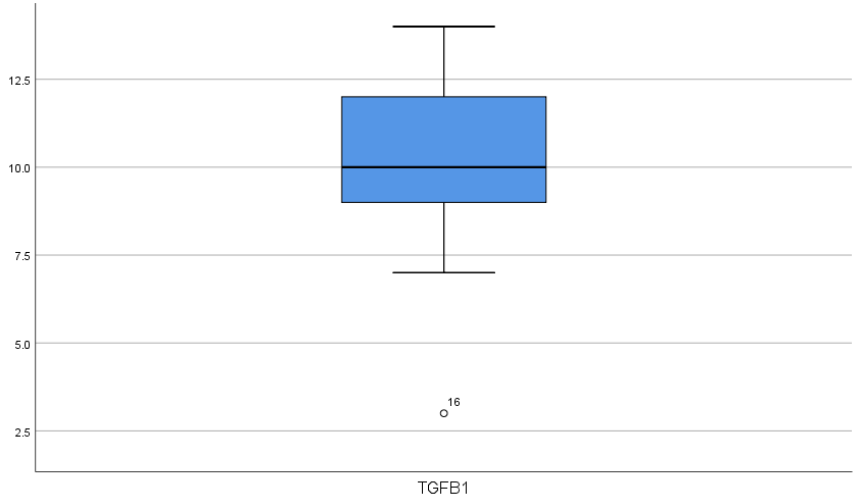
a. Lilliefors Significance Correction

TGFB1

```
TGFB1 Stem-and-Leaf Plot

 Frequency    Stem &  Leaf

     1.00 Extremes    (=<3)
     5.00        0 .  77999
     9.00        1 .  001113334

 Stem width:     10.00
 Each leaf:       1 case(s)
```







```
ONEWAY OPG BMP2 TGFB1 BY Kelompok
  /MISSING ANALYSIS
  /POSTHOC=LSD ALPHA(0.05).
```

Oneway

Notes

Output Created		01-OCT-2021 10:24:49
Comments		
Input	Active Dataset	DataSet37
	Filter	Pengamatan = 2 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY TGFB1 BY Kelompok /MISSING ANALYSIS /POSTHOC=LSD ALPHA(0.05).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
TGFB1	Between Groups	14.800	2	7.400	.877	.441
	Within Groups	101.200	12	8.433		
	Total	116.000	14			

Post Hoc Tests

Multiple Comparisons

LSD

Dependent Variable	(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
TGFB1	Negatif	Positif	-2.20000	1.83666	.254	-6.2017	1.8017
		Perlakuan	-2.00000	1.83666	.298	-6.0017	2.0017
	Positif	Negatif	2.20000	1.83666	.254	-1.8017	6.2017
		Perlakuan	.20000	1.83666	.915	-3.8017	4.2017
	Perlakuan	Negatif	2.00000	1.83666	.298	-2.0017	6.0017
		Positif	-.20000	1.83666	.915	-4.2017	3.8017

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

```
MEANS TABLES=OPG BMP2 TGFB1 BY Kelompok BY Pengamatan
  /CELLS=MEAN STDDEV.
```

Means

Notes

Output Created		01-OCT-2021 10:29:10
Comments		
Input	Active Dataset	DataSet37
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	30
Missing Value Handling	Definition of Missing	For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.
	Cases Used	Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
Syntax		MEANS TABLES= TGFB1 BY Kelompok BY Pengamatan /CELLS=MEAN STDDEV.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.04

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
TGFB1 * Kelompok * Pengamatan	30	100.0%	0	0.0%	30	100.0%

Report

Kelompok	Pengamatan		TGFB1
Negatif	H14	Mean	5.6000
		Std. Deviation	2.40832
	H21	Mean	8.6000
		Std. Deviation	3.84708
	Total	Mean	7.1000
		Std. Deviation	3.41402
Positif	H14	Mean	10.6000
		Std. Deviation	2.40832
	H21	Mean	10.8000
		Std. Deviation	2.77489
	Total	Mean	10.7000
		Std. Deviation	2.45176
Perlakuan	H14	Mean	7.4000
		Std. Deviation	2.07364
	H21	Mean	10.6000
		Std. Deviation	1.67332

	Total	Mean	9.0000
		Std. Deviation	2.44949
Total	H14	Mean	7.8667
		Std. Deviation	3.02056
	H21	Mean	10.0000
		Std. Deviation	2.87849
	Total	Mean	8.9333
		Std. Deviation	3.09542

```
USE ALL.
COMPUTE filter_$=(Kelompok = 1).
VARIABLE LABELS filter_$ 'Kelompok = 1 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
EXAMINE VARIABLES= TGFB1
  /PLOT BOXPLOT STEMLEAF NPPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		01-OCT-2021 10:31:20
Comments		
Input	Active Dataset	DataSet37
	Filter	Kelompok = 1 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	10
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES= TGFB1 /PLOT BOXPLOT STEMLEAF NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.86
	Elapsed Time	00:00:00.87

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
TGFB1	10	100.0%	0	0.0%	10	100.0%

Descriptives

			Statistic	Std. Error
TGFB1	Mean		7.1000	1.07961
	95% Confidence Interval for Mean	Lower Bound	4.6578	
		Upper Bound	9.5422	
	5% Trimmed Mean		7.0000	
	Median		7.0000	
	Variance		11.656	
	Std. Deviation		3.41402	
	Minimum		3.00	
	Maximum		13.00	
	Range		10.00	
	Interquartile Range		5.75	
	Skewness		.354	.687
	Kurtosis		-.891	1.334

Tests of Normality

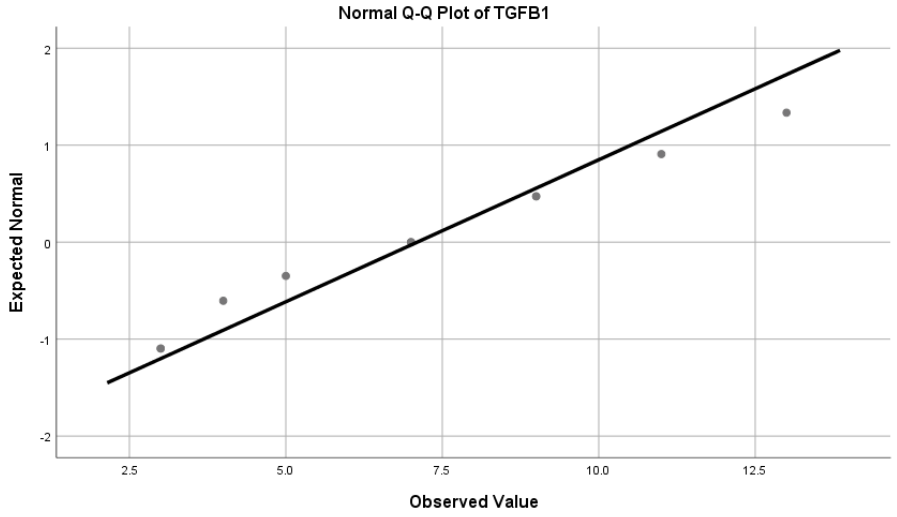
	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
OPG	.224	10	.168	.942	10	.573
BMP2	.178	10	.200*	.925	10	.404
TGFB1	.131	10	.200*	.940	10	.557

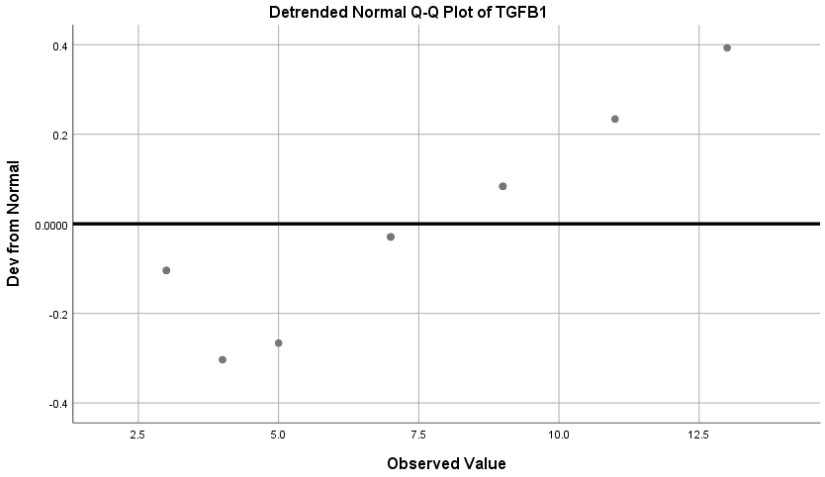
*. This is a lower bound of the true significance.

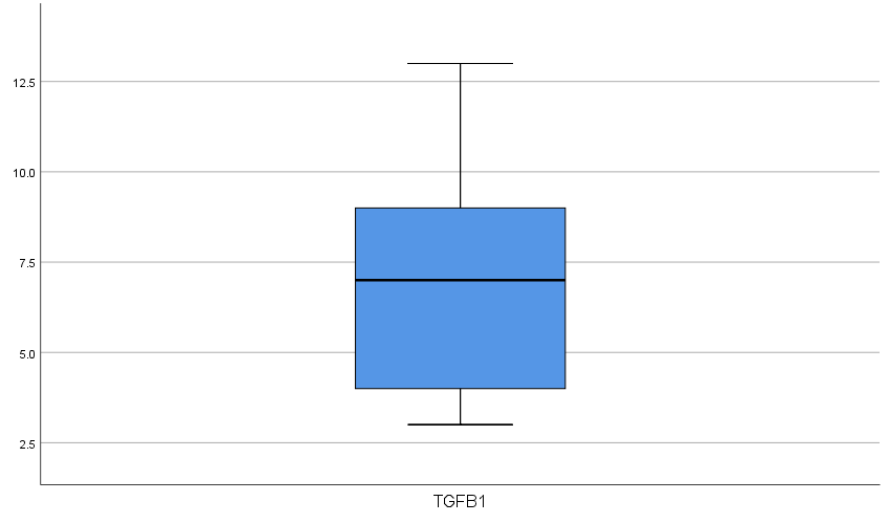
a. Lilliefors Significance Correction

TGFB1

```
TGFB1 Stem-and-Leaf Plot

 Frequency    Stem &  Leaf

     3.00        0 .  334
     5.00        0 .  57799
     2.00        1 .  13

 Stem width:     10.00
 Each leaf:        1 case(s)
```








```
T-TEST GROUPS=Pengamatan(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=OPG BMP2 TGFB1
  /CRITERIA=CI(.95).
```

T-Test

Notes

Output Created		01-OCT-2021 10:31:27
Comments		
Input	Active Dataset	DataSet37
	Filter	Kelompok = 1 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	10
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Pengamatan(1 2) /MISSING=ANALYSIS /VARIABLES=OPG BMP2 TGFB1 /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Group Statistics

	Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
TGFB1	H14	5	5.6000	2.40832	1.07703
	H21	5	8.6000	3.84708	1.72047

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
TGFB1	Equal variances assumed	.819	.392	-1.478	8	.178	-3.00000	2.02978	-7.68068	1.68068
	Equal variances not assumed			-1.478	6.718	.185	-3.00000	2.02978	-7.84085	1.84085

```
USE ALL.
COMPUTE filter_$=(Kelompok = 2).
VARIABLE LABELS filter_$ 'Kelompok = 2 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
EXAMINE VARIABLES=OPG BMP2 TGFB1
  /PLOT BOXPLOT STEMLEAF NPPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		01-OCT-2021 10:31:51
Comments		
Input	Active Dataset	DataSet37
	Filter	Kelompok = 2 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	10
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES= TGFB1 /PLOT BOXPLOT STEMLEAF NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:01.30
	Elapsed Time	00:00:00.92

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
TGFB1	10	100.0%	0	0.0%	10	100.0%

Descriptives

			Statistic	Std. Error
TGFB1	Mean		10.7000	.77531
	95% Confidence Interval for Mean	Lower Bound	8.9461	
		Upper Bound	12.4539	
	5% Trimmed Mean		10.7222	
	Median		10.0000	
	Variance		6.011	
	Std. Deviation		2.45176	
	Minimum		7.00	
	Maximum		14.00	
	Range		7.00	
	Interquartile Range		4.50	
	Skewness		.094	.687
	Kurtosis		-1.213	1.334

Tests of Normality

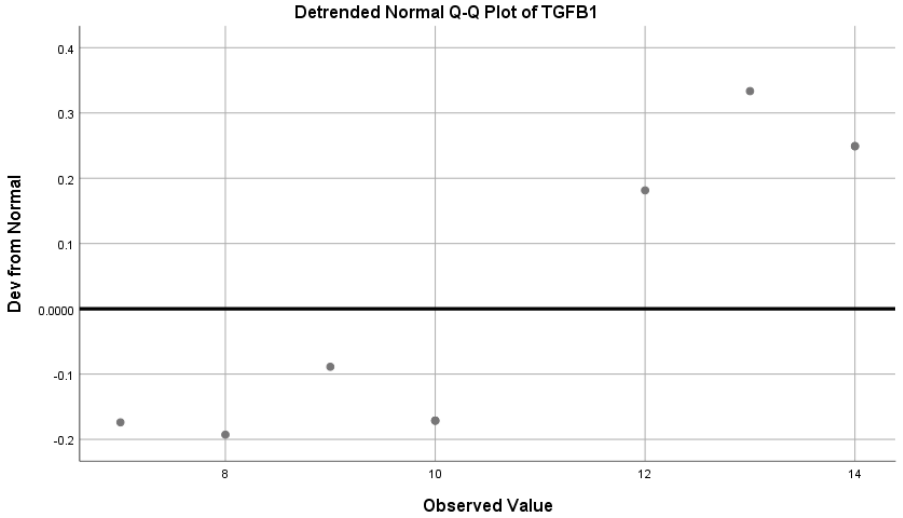
	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TGFB1	.212	10	.200*	.930	10	.447

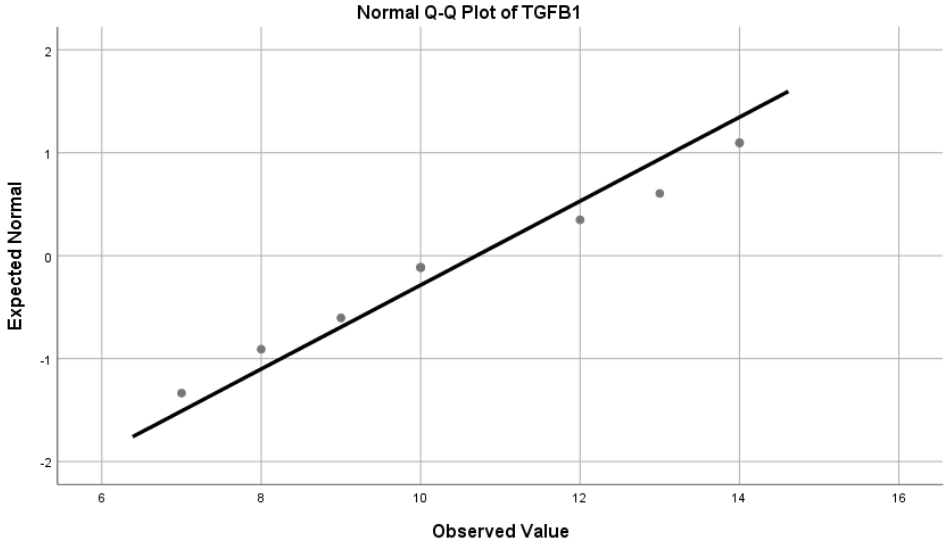
*. This is a lower bound of the true significance.

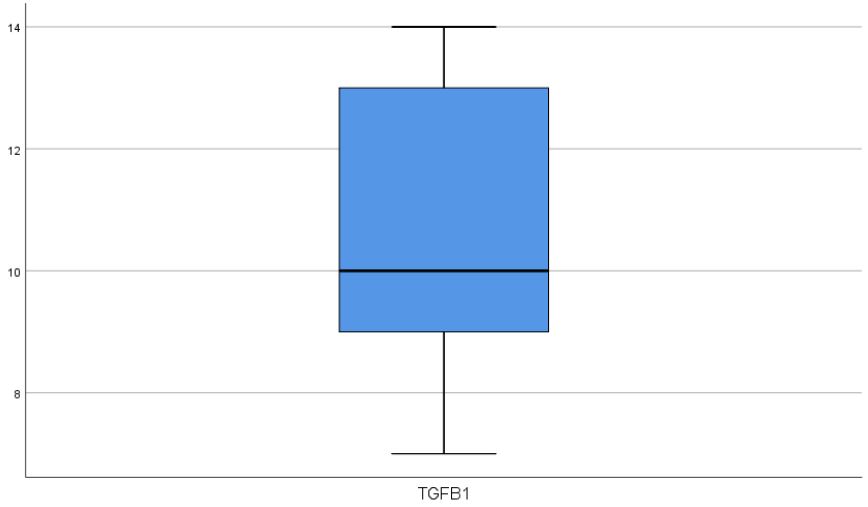
a. Lilliefors Significance Correction

TGFB1

```
TGFB1 Stem-and-Leaf Plot

 Frequency    Stem &  Leaf

     3.00        0 .  789
     7.00        1 .  0002344

 Stem width:     10.00
 Each leaf:        1 case(s)

T-TEST GROUPS=Pengamatan(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=OPG BMP2 TGFB1
  /CRITERIA=CI(.95).
```







T-Test

Notes

Output Created		01-OCT-2021 10:31:58
Comments		
Input	Active Dataset	DataSet37
	Filter	Kelompok = 2 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	10
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST GROUPS=Pengamatan(1 2) /MISSING=ANALYSIS /VARIABLES= TGFB1 /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Group Statistics

	Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
TGFB1	H14	5	10.6000	2.40832	1.07703
	H21	5	10.8000	2.77489	1.24097

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
TGFB1	Equal variances assumed	.094	.767	-.122	8	.906	-.20000	1.64317	-3.98915	3.58915
	Equal variances not assumed			-.122	7.845	.906	-.20000	1.64317	-4.00226	3.60226

```
USE ALL.
COMPUTE filter_$=(Kelompok = 3).
VARIABLE LABELS filter_$ 'Kelompok = 3 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
EXAMINE VARIABLES=OPG BMP2 TGFB1
  /PLOT BOXPLOT STEMLEAF NPPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		01-OCT-2021 10:32:24
Comments		
Input	Active Dataset	DataSet37
	Filter	Kelompok = 3 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	10
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES= TGFB1 /PLOT BOXPLOT STEMLEAF NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:00.81
	Elapsed Time	00:00:00.86

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
TGFB1	10	100.0%	0	0.0%	10	100.0%

Descriptives

			Statistic	Std. Error
TGFB1	Mean		9.0000	.77460
	95% Confidence Interval for Mean	Lower Bound	7.2477	
		Upper Bound	10.7523	
	5% Trimmed Mean		9.0556	
	Median		9.0000	
	Variance		6.000	
	Std. Deviation		2.44949	
	Minimum		4.00	
	Maximum		13.00	
	Range		9.00	
	Interquartile Range		3.25	
	Skewness		-.510	.687
	Kurtosis		1.299	1.334

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TGFB1	.200	10	.200*	.939	10	.546

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

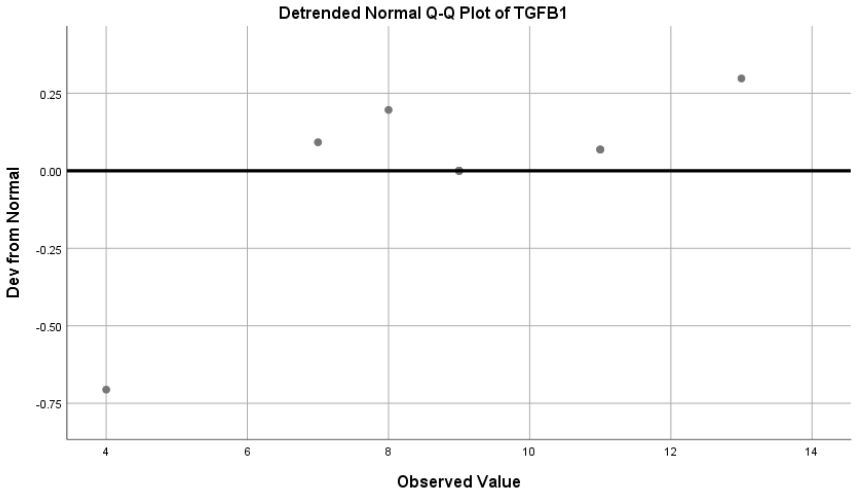
a. Lilliefors Significance Correction

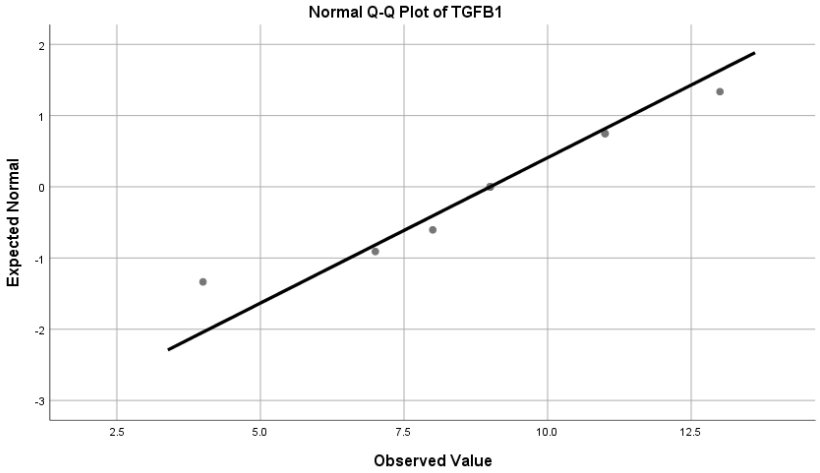
TGFB1

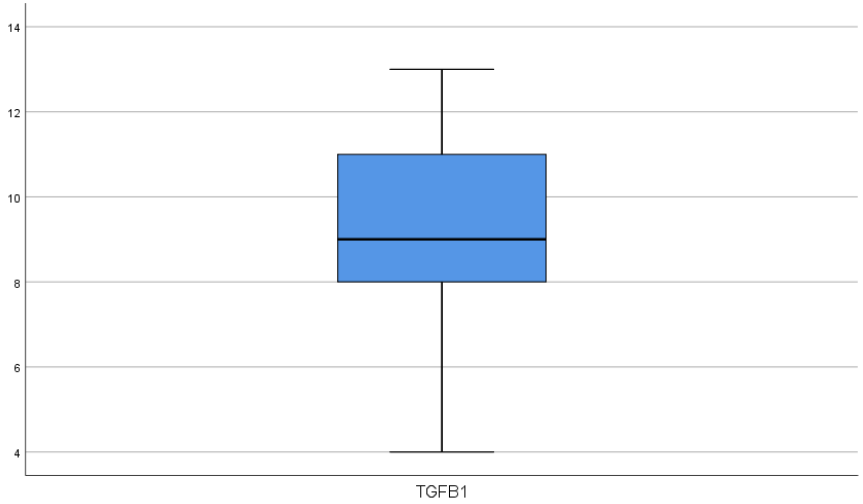
TGFB1 Stem-and-Leaf Plot

Frequency	Stem &	Leaf
1.00	0 .	4
6.00	0 .	789999
3.00	1 .	113

Stem width: 10.00
Each leaf: 1 case(s)







```
T-TEST GROUPS=Pengamatan(1 2)
  /MISSING=ANALYSIS
  /VARIABLES=OPG BMP2 TGFB1
  /CRITERIA=CI(.95).
```

T-Test

otes

Output Created		01-OCT-2021 10:32:30
Comments		
Input	Active Dataset	DataSet37
	Filter	Kelompok = 3 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	10
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.

Syntax		T-TEST GROUPS=Pengamatan(1 2) /MISSING=ANALYSIS /VARIABLES= TGFB1 /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Group Statistics

	Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
TGFB1	H14	5	7.4000	2.07364	.92736
	H21	5	10.6000	1.67332	.74833

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
TGFB1	Equal variances assumed	.133	.725	-2.685	8	.028	-3.20000	1.19164	-5.94792	-.45208
	Equal variances not assumed			-2.685	7.658	.029	-3.20000	1.19164	-5.96942	-.43058