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## Lampiran 1



KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN  
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN  
KOMITE ETIK PENELITIAN KESEHATAN  
RSPTN UNIVERSITAS HASANUDDIN  
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR  
Sekretariat : Lantai 2 Gedung Laboratorium Terpadu  
JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.





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### **REKOMENDASI PERSETUJUAN ETIK**

Nomor : 290/UN4.6.4.5.31/ PP36/ 2020

Tanggal: 27 Mei 2020

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH20040188	No Sponsor	
Peneliti Utama	<b>dr. Faisal Budisasmita Paturungi Parawansa</b>	Protokol	
Judul Peneliti	Hubungan Kadar Homosistein dan Tekanan Darah dengan Luaran Klinis Pada Pasien Stroke Iskemik Akut		
No Versi Protokol	2	Tanggal Versi	26 Mei 2020
No Versi PSP	2	Tanggal Versi	26 Mei 2020
Tempat Penelitian	RSUP Dr.Wahidin Sudirohusodo dan RS Universitas Hasanuddin Makassar		
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku 27 Mei 2020 sampai 27 Mei 2021	Frekuensi review lanjutan
Ketua Komisi Etik Penelitian Kesehatan FKUH	Nama <b>Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)</b>	Tanda tangan 	
Sekretaris Komisi Etik Penelitian Kesehatan FKUH	Nama <b>dr. Agussalim Bukhari, M.Med.,Ph.D.,Sp.GK (K)</b>	Tanda tangan 	

#### Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- 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 prokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

## Lampiran 2

### *INFORMED CONSENT*

Assalamu'alaikumwrwb

Selamat pagi Bapak/Ibu

Perkenalkan saya dr. Faisal Budisasmita Paturungi Parawansa dari Departemen Neurologi Fakultas Kedokteran Unhas, berencana akan melakukan penelitian untuk mengetahui hubungan kadar homosistein dan tekanan darah dengan luaran klinis pada pasien stroke iskemik akut yang dialami Bapak/Ibu, yaitu dengan cara pengambilan sampel darah sebanyak 3 cc atau  $\frac{3}{4}$  sendok teh dan dilakukan oleh laboran yang kompeten. Pengambilan sampel darah ini dilakukan sebanyak 1x pada pembuluh darah vena melalui area lipatan siku. Tindakan ini tidak dipungut biaya, karena biaya ditanggung peneliti.

Terlebih dahulu, kami akan mencatat identitas Bapak/Ibu (nama, alamat, umur, jenis kelamin, pekerjaan, riwayat penyakit sebelumnya), lalu melakukan tanya jawab mengenai penyakit, kemudian mengambil data pemeriksaan fisik, dan pemeriksaan foto CT scan kepala untuk menentukan jenis stroke penyumbatan akut dan volume kerusakan jaringan otak. Homosistein merupakan protein yang dapat meningkatkan risiko stroke dan memperberat stroke. Pada beberapa dekade terakhir, peningkatan homosistein juga dikaitkan dengan mekanisme yang menyerang saraf. Terdapat berbagai penelitian yang telah meneliti mengenai hal tersebut, namun hingga saat ini hasil yang didapat masih belum jelas. Dalam beberapa penelitian dikemukakan bahwa hiperhomosisteinemia berkaitan dengan peningkatan derajat keparahan stroke iskemik. Sebuah penelitian pada tahun 2014 juga menemukan bahwa peningkatan kadar homosistein dapat menyebabkan perburukan defisit neurologis awal seperti kelemahan hingga lumpuh separuh badan. Namun beberapa penelitian lain menemukan bahwa tidak terdapat hubungan antara hiperhomosistein dan derajat keparahan stroke dan luaran klinis. Kontroversi hasil dari beberapa penelitian tersebut mendorong peneliti untuk



membuktikan hubungan antara kadar homosistein dan tekanan darah terhadap luaran klinis dari stroke.

Kerahasiaan data dijamin dan hanya diketahui oleh peneliti dan komisi etik. Hasil penelitian ini diharapkan dapat menjadi pengetahuan baru untuk meningkatkan mutu dan kualitas pengobatan stroke iskemik akut, sehingga angka kecacatan dapat diturunkan, kualitas hidup yang lebih baik, dan fungsi kognitif yang lebih baik pada penderita stroke iskemik akut.

Keikutsertaan Bapak/Ibu dalam penelitian ini bersifat sukarela tanpa paksaan, karena itu bila Bapak/Ibu menolak ikut atau berhenti ikut pada penelitian ini tidak akan mengurangi atau kehilangan hak untuk mendapatkan pelayanan kesehatan standar rutin sesuai dengan penyakit yang Bapak/Ibu derita serta mendapat obat yang diperlukan.

Bila masih ada hal-hal yang ingin Bapak/Ibu ketahui, atau masih ada hal-hal yang belum jelas, maka Bapak/Ibu bisa bertanya dan menghubungi dr. Faisal Budisasmita Paturungi Parawansa melalui no. HP: 085242058777

Demikian penjelasan saya, jika Bapak/Ibu bersedia untuk berpartisipasi, diharapkan menandatangani surat persetujuan mengikuti penelitian. Atas kesediaan dan kerjasamanya diucapkan terima kasih.

### Lampiran 3

#### FORMULIR PERSETUJUAN MENGIKUTI PENELITIAN

Saya yang bertanda tangan di bawah ini :

Nama : .....

Umur : .....

Alamat : .....

Setelah mendengar/membaca dan mengerti penjelasan yang diberikan mengenai tujuan dan manfaat apa yang akan dilakukan pada penelitian ini, maka saya menyatakan setuju untuk ikut dalam penelitian ini.

Saya tahu bahwa keikutsertaan saya ini bersifat sukarela tanpa paksaan, sehingga saya bisa menolak ikut atau mengundurkan diri dari penelitian ini tanpa kehilangan hak saya untuk mendapat pelayanan kesehatan. Juga saya berhak bertanya atau meminta penjelasan pada peneliti bila masih ada hal yang belum jelas atau masih ada hal yang ingin saya ketahui tentang penelitian ini.

Saya juga mengerti bahwa semua biaya yang dikeluarkan sehubungan dengan penelitian ini akan ditanggung oleh peneliti. Adapun biaya perawatan dan pengobatan bila terjadi hal-hal yang tidak diinginkan akibat penelitian ini akan dibiayai oleh peneliti.

Saya percaya bahwa keamanan dan kerahasiaan data penelitian akan terjamin dan dengan ini saya menyetujui semua data saya yang dihasilkan pada penelitian ini untuk disajikan dalam bentuk lisan maupun tulisan.

Bila terjadi perbedaan pendapat dikemudian hari kami akan menyelesaikannya secara kekeluargaan.

NAMA	HUBUNGAN DENGAN SUBJEK	TANDA TANGAN	TGL/BLN/THN
Klien .....	.....	.....	.....
Saksi 1.....	.....	.....	.....
Saksi 2.....	.....	.....	.....

## Lampiran 4

### KUESIONER PENELITIAN

#### Hubungan Kadar Homosistein dan Tekanan Darah dengan Luaran Klinis pada Pasien Stroke Iskemik Akut

##### I. IDENTITAS PASIEN

1. Nama : .....
2. Rumah Sakit / No. Reg : .....
3. Jenis Kelamin : .....
4. Tanggal pemeriksaan : .....
5. Pekerjaan : .....
6. Pendidikan : .....
7. Alamat : .....
8. Suku bangsa : .....
9. No. HP/ telp : .....

##### II. DATA PEMERIKSAAN PENUNJANG PASIEN

1. Kadar Homosistein : .....
2. Gula darah sewaktu : .....
3. LDL : .....
4. Merokok (ya/tidak) : .....
5. Tekanan darah : .....
6. Skor NIHSS : .....
7. Skor mRS : .....

## Lampiran 5.

### Raw Data Subjek Penelitian

No sampel	Jenis Kelamin	Usia	Hipertensi	DM	Dislipidemia	Merokok	Peny jantung	Homosistein	mRS
1	Laki-laki	55	(+)	(+)	(+)	(+)	(+)	2.8	5
2	Laki-laki	80	(+)	(+)	(-)	(-)	(+)	12.43	3
3	Perempuan	57	(+)	(-)	(-)	(+)	(+)	2.61	3
4	Laki-laki	48	(-)	(-)	(-)	(+)	(-)	2.9	2
5	Perempuan	72	(+)	(-)	(-)	(-)	(-)	2.76	2
6	Perempuan	47	(-)	(+)	(-)	(-)	(-)	3.23	3
7	Perempuan	59	(+)	(-)	(-)	(-)	(-)	2.61	4
8	Perempuan	74	(+)	(-)	(-)	(-)	(-)	2.71	4
9	Perempuan	79	(-)	(-)	(-)	(-)	(+)	2.7	2
10	Perempuan	72	(-)	(-)	(-)	(-)	(+)	2.72	3
11	Perempuan	69	(+)	(-)	(-)	(-)	(-)	2.8	4
12	Laki-laki	56	(+)	(-)	(-)	(-)	(-)	2.91	3
13	Perempuan	78	(-)	(-)	(-)	(-)	(-)	2.48	6
14	Perempuan	48	(-)	(-)	(+)	(-)	(-)	2.47	2
15	Laki-laki	66	(+)	(+)	(+)	(-)	(-)	4.95	2
16	Perempuan	36	(+)	(-)	(-)	(-)	(-)	2.63	1
17	Laki-laki	57	(+)	(+)	(-)	(-)	(-)	2.81	2
18	Laki-laki	42	(-)	(-)	(-)	(+)	(-)	2.77	4
19	Laki-laki	58	(+)	(-)	(-)	(-)	(+)	6.75	6
20	Laki-laki	45	(+)	(-)	(+)	(+)	(+)	4.1	4
21	Perempuan	53	(+)	(-)	(+)	(-)	(-)	2.57	3
22	Perempuan	54	(+)	(+)	(-)	(-)	(-)	2.82	2
23	Perempuan	62	(+)	(+)	(-)	(-)	(-)	74.53	4
24	Perempuan	59	(+)	(-)	(-)	(-)	(-)	2.58	4
25	Laki-laki	76	(-)	(-)	(-)	(+)	(+)	2.91	5
26	Laki-laki	65	(-)	(-)	(-)	(+)	(-)	2.94	2
27	Laki-laki	50	(+)	(-)	(-)	(+)	(-)	2.56	1
28	Perempuan	54	(+)	(-)	(-)	(-)	(-)	2.59	3
29	Perempuan	55	(+)	(-)	(-)	(-)	(-)	2.57	1
30	Perempuan	39	(-)	(-)	(-)	(-)	(-)	2.98	4
31	Perempuan	44	(-)	(-)	(-)	(-)	(-)	2.81	1
32	Laki-laki	69	(+)	(-)	(+)	(-)	(+)	2.62	3
33	Laki-laki	78	(+)	(-)	(+)	(+)	(-)	2.49	2
34	Perempuan	57	(+)	(-)	(+)	(-)	(-)	2.52	4
35	Perempuan	47	(+)	(-)	(-)	(-)	(-)	2.57	3
36	Laki-laki	57	(-)	(-)	(-)	(+)	(-)	2.62	2

37	Laki-laki	50	(-)	(-)	(-)	(-)	(-)	4.12	5
38	Laki-laki	57	(-)	(+)	(+)	(-)	(-)	2.67	1
39	Perempuan	66	(+)	(-)	(-)	(-)	(-)	2.55	2
40	Laki-laki	66	(-)	(-)	(-)	(-)	(-)	2.69	5
41	Perempuan	74	(+)	(-)	(-)	(-)	(-)	2.5	4
42	Laki-laki	75	(+)	(-)	(-)	(-)	(-)	2.72	3
43	Perempuan	54	(+)	(-)	(-)	(-)	(-)	2.59	6
44	Laki-laki	59	(-)	(-)	(-)	(+)	(-)	55.57	4
45	Laki-laki	54	(+)	(-)	(-)	(-)	(-)	2.66	4
46	Perempuan	57	(+)	(-)	(-)	(-)	(-)	2.69	4
47	Laki-laki	71	(+)	(-)	(-)	(-)	(-)	2.68	5
48	Laki-laki	58	(+)	(+)	(-)	(+)	(-)	2.87	3
49	Laki-laki	65	(-)	(-)	(-)	(-)	(-)	7.05	4
50	Perempuan	60	(-)	(-)	(-)	(-)	(-)	3.04	4
51	Perempuan	74	(+)	(+)	(-)	(-)	(-)	2.65	4
52	Perempuan	69	(+)	(-)	(-)	(-)	(-)	2.72	4

## Lampiran 6

Your temporary usage period for IBM SPSS Statistics will expire in 5532 days.

```
RECODE mRS (3 thru 6=1) (1 thru 2=2) INTO klp_mRS.
VARIABLE LABELS klp_mRS 'Kelompok mRS'.
EXECUTE.
```

```
SAVE OUTFILE='/Users/a.alfian/Documents/Dokumen/DATA PEKERJAAN/data dr
Budi.sav'
/COMPRESSED.
FREQUENCIES VARIABLES=jk HT DM Dislipidemia Merokok Jantung mRS klp_mRS
/ORDER=ANALYSIS.
```

## Frequencies

Notes		
Output Created		07-NOV-2020 19:41:32
Comments		
Input	Data	/Users/a.alfian/Documents/Dokumen/DATA PEKERJAAN/data dr Budi.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	52
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=jk HT DM Dislipidemia Merokok Jantung mRS klp_mRS /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet0] /Users/a.alfian/Documents/Dokumen/DATA PEKERJAAN/data dr Budi.sav

**Statistics**

		Jenis Kelamin	Hipertensi	DM	Dislipidemia	Merokok	Penyakit Jantung	mRS	Kelompok mRS
N	Valid	52	52	52	52	52	52	52	52
	Missing	0	0	0	0	0	0	0	0

**Frequency Table**

**Jenis Kelamin**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Laki-laki	24	46.2	46.2	46.2
	Perempuan	28	53.8	53.8	100.0
Total		52	100.0	100.0	

**Hipertensi**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ya	34	65.4	65.4	65.4
	Tidak	18	34.6	34.6	100.0
Total		52	100.0	100.0	

**DM**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ya	10	19.2	19.2	19.2
	Tidak	42	80.8	80.8	100.0
Total		52	100.0	100.0	



**Dislipidemia**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ya	9	17.3	17.3	17.3
	Tidak	43	82.7	82.7	100.0
	Total	52	100.0	100.0	

**Merokok**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ya	12	23.1	23.1	23.1
	Tidak	40	76.9	76.9	100.0
	Total	52	100.0	100.0	

**Penyakit Jantung**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ya	9	17.3	17.3	17.3
	Tidak	43	82.7	82.7	100.0
	Total	52	100.0	100.0	

**mRS**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	5	9.6	9.6	9.6
	2	11	21.2	21.2	30.8
	3	11	21.2	21.2	51.9
	4	17	32.7	32.7	84.6
	5	5	9.6	9.6	94.2
	6	3	5.8	5.8	100.0
	Total	52	100.0	100.0	

**Kelompok mRS**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Buruk	36	69.2	69.2	69.2
	Baik	16	30.8	30.8	100.0
	Total	52	100.0	100.0	

```

EXAMINE VARIABLES=usia homosistein
  /PLOT BOXPLOT STEMLEAF NPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
    
```

**Explore**

**Notes**

Output Created		07-NOV-2020 19:42:01
Comments		
Input	Data	/Users/a.alfian/Documents/Doku men/DATA PEKERJAAN/data dr Budi.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	52
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=usia homosistein /PLOT BOXPLOT STEMLEAF NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /INTERVAL 95 /MISSING LISTWISE /NOTOTAL.	
Resources	Processor Time	00:00:04.20
	Elapsed Time	00:00:03.00

### Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Usia	52	100.0%	0	0.0%	52	100.0%
Homosistein	52	100.0%	0	0.0%	52	100.0%

### Descriptives

		Statistic	Std. Error	
Usia	Mean	60.12	1.537	
	95% Confidence Interval for Mean	Lower Bound	57.03	
		Upper Bound	63.20	
	5% Trimmed Mean	60.26		
	Median	58.00		
	Variance	122.810		
	Std. Deviation	11.082		
	Minimum	36		
	Maximum	80		
	Range	44		
	Interquartile Range	15		
	Skewness	.000	.330	

	Kurtosis		-,717	,650
Homosistein	Mean		5.5498	1.70093
	95% Confidence Interval for Mean	Lower Bound	2.1351	
		Upper Bound	8.9646	
	5% Trimmed Mean		3.0895	
	Median		2.7150	
	Variance		150.444	
	Std. Deviation		12.26557	
	Minimum		2.47	
	Maximum		74.53	
	Range		72.06	
	Interquartile Range		,32	
	Skewness		5.003	,330
	Kurtosis		24.985	,650

#### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Usia	,117	52	,073	,971	52	,243
Homosistein	,431	52	,000	,254	52	,000

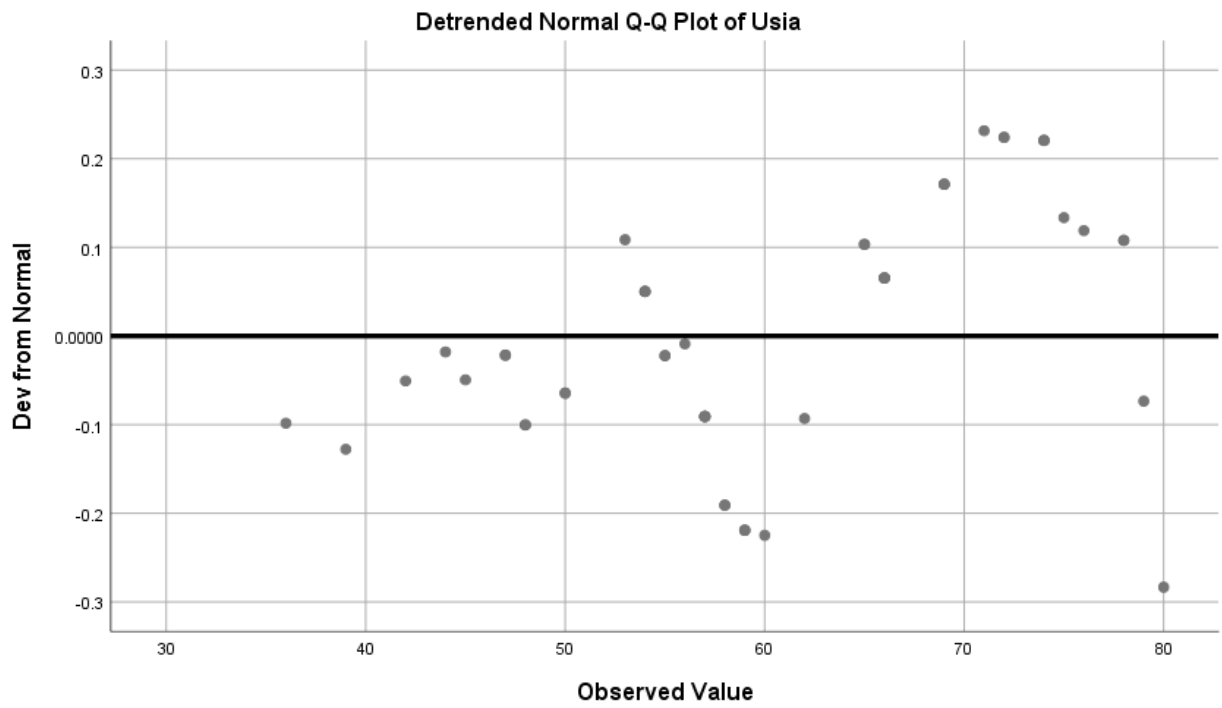
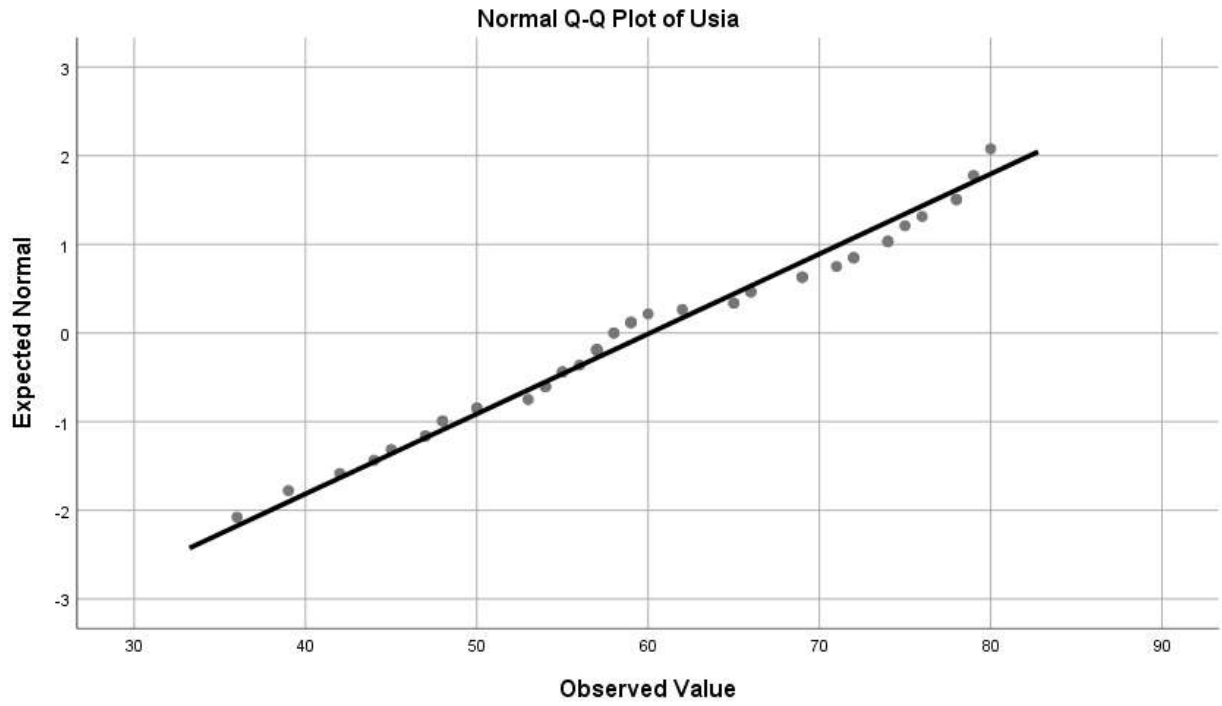
a. Lilliefors Significance Correction

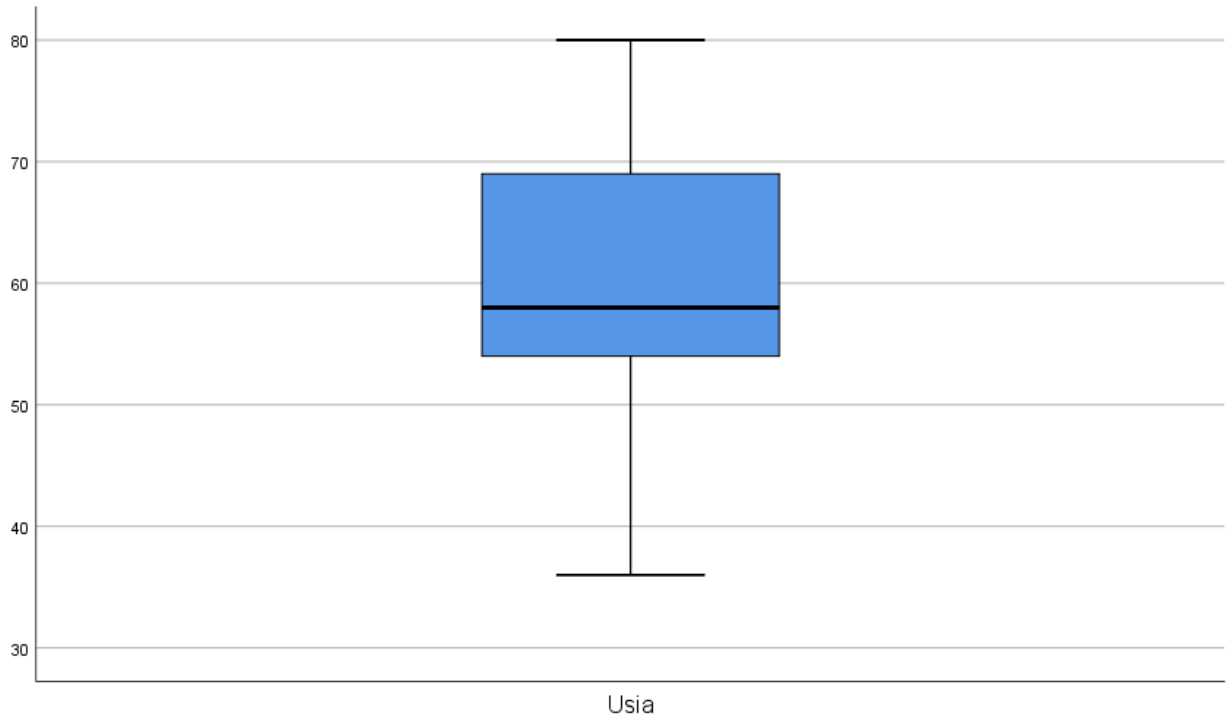
## Usia

Usia Stem-and-Leaf Plot

Frequency	Stem & Leaf
2.00	3 . 69
7.00	4 . 2457788
21.00	5 . 00344445567777788999
10.00	6 . 0255666999
11.00	7 . 12244456889
1.00	8 . 0

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



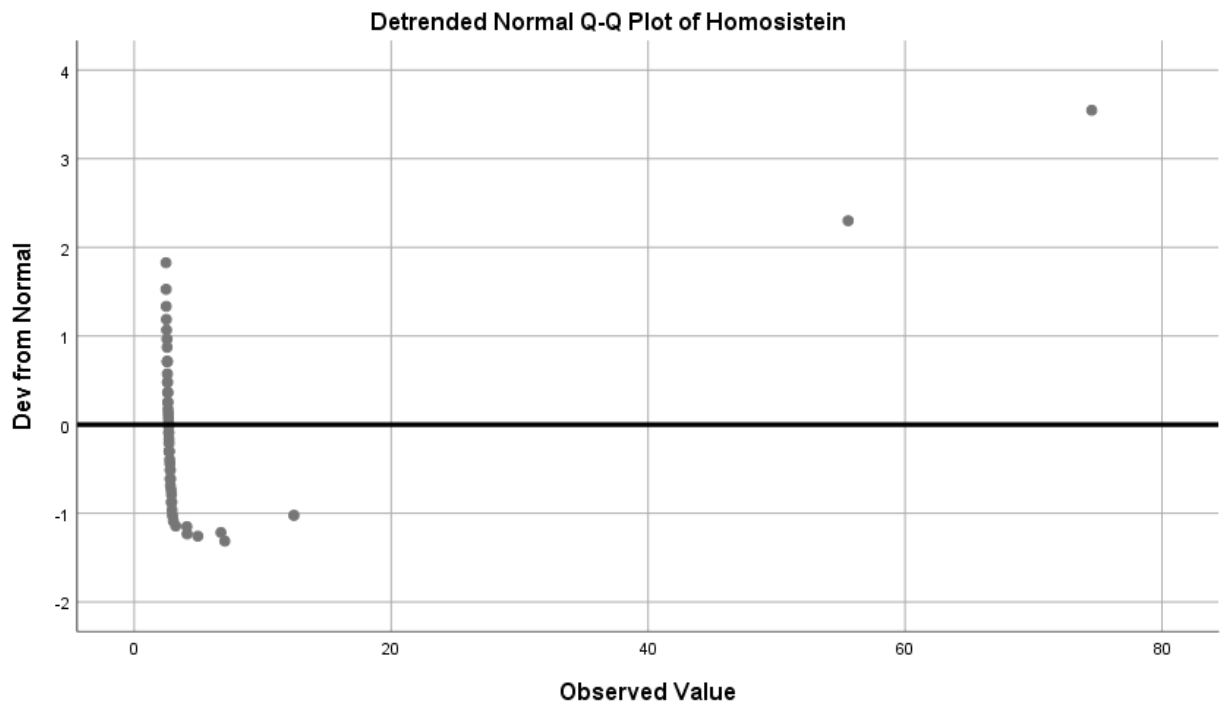
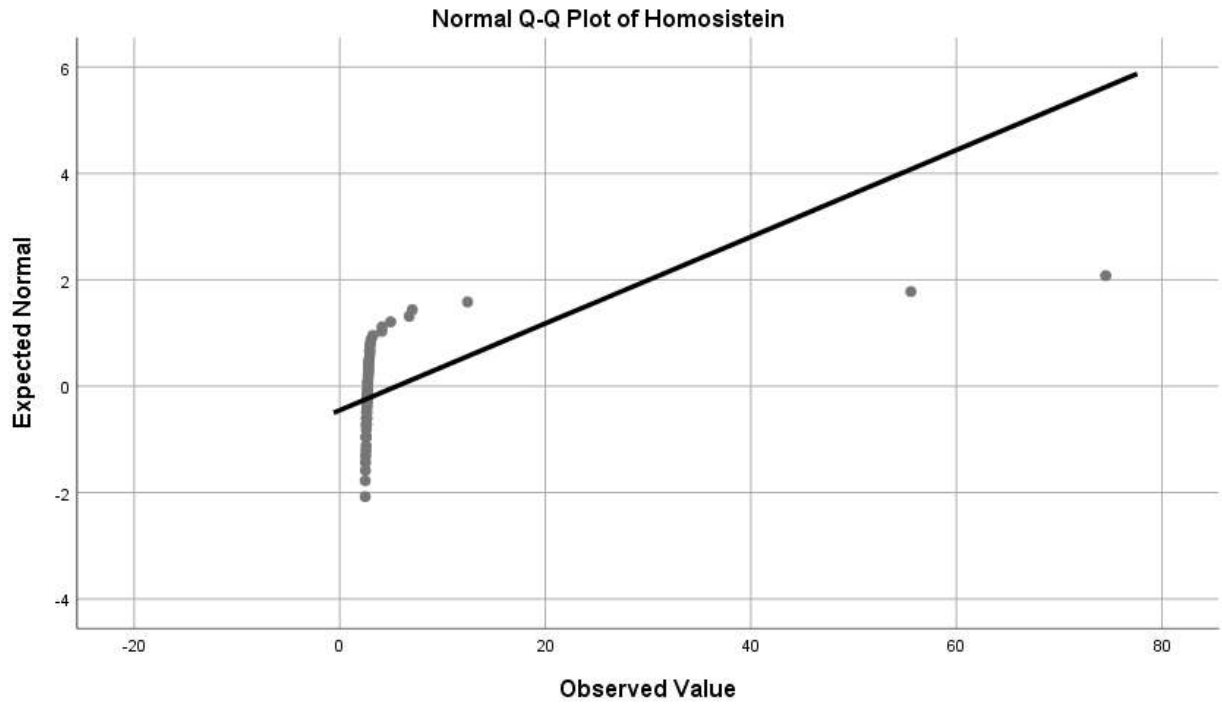


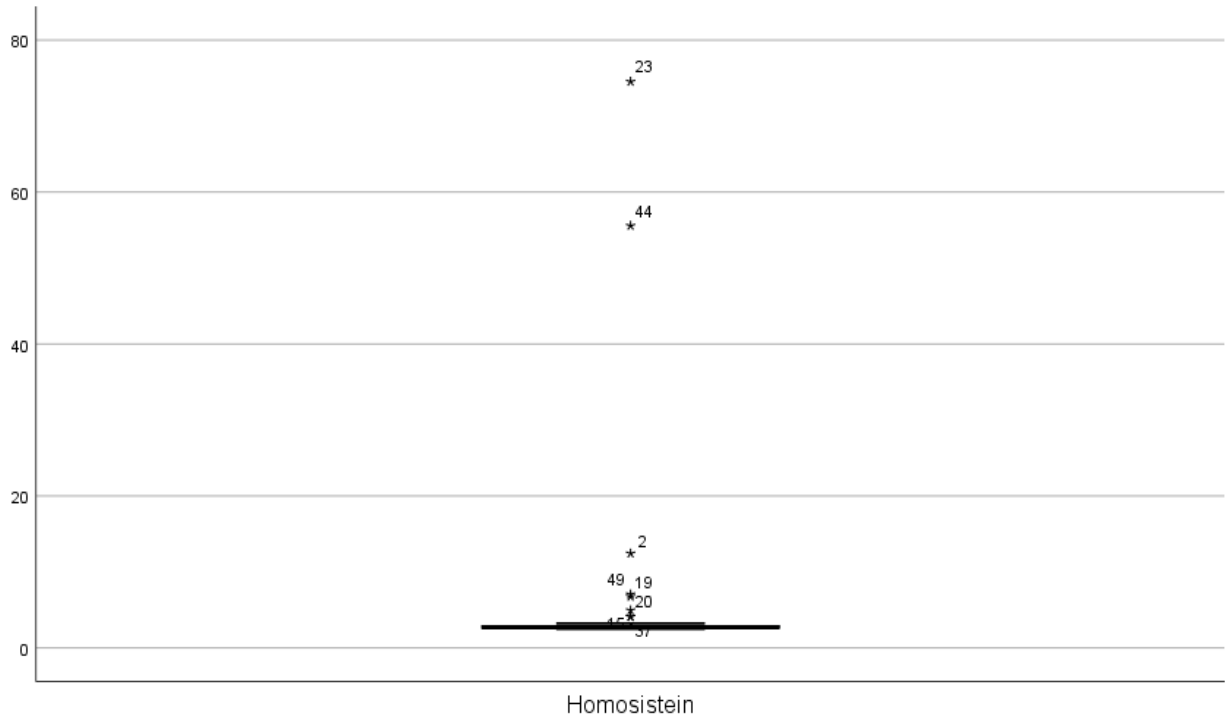
## Homosistein

Homosistein Stem-and-Leaf Plot

Frequency	Stem &	Leaf
3.00	24 .	789
10.00	25 .	0256777899
11.00	26 .	11223567899
7.00	27 .	0122267
6.00	28 .	001127
5.00	29 .	01148
1.00	30 .	4
.00	31 .	
1.00	32 .	3
8.00	Extremes	(>=4.10)

Stem width: .10  
 Each leaf: 1 case(s)





```

CROSSTABS
  /TABLES=jk HT DM Dislipidemia Merokok Jantung BY klp_mRS
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ RISK
  /CELLS=COUNT ROW
  /COUNT ROUND CELL.

```

## Crosstabs

### Notes

Output Created	07-NOV-2020 19:43:15	
Comments		
Input	Data	/Users/a.alfian/Documents/Doku men/DATA PEKERJAAN/data dr Budi.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	52



Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		<p>CROSSTABS</p> <p>/TABLES=jk HT DM</p> <p>Dislipidemia Merokok Jantung BY klp_mRS</p> <p>/FORMAT=AVALUE TABLES</p> <p>/STATISTICS=CHISQ RISK</p> <p>/CELLS=COUNT ROW</p> <p>/COUNT ROUND CELL.</p>
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.00
	Dimensions Requested	2
	Cells Available	524245

#### Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Jenis Kelamin * Kelompok mRS	52	100.0%	0	0.0%	52	100.0%
Hipertensi * Kelompok mRS	52	100.0%	0	0.0%	52	100.0%
DM * Kelompok mRS	52	100.0%	0	0.0%	52	100.0%
Dislipidemia * Kelompok mRS	52	100.0%	0	0.0%	52	100.0%
Merokok * Kelompok mRS	52	100.0%	0	0.0%	52	100.0%
Penyakit Jantung * Kelompok mRS	52	100.0%	0	0.0%	52	100.0%

## Jenis Kelamin \* Kelompok mRS

**Crosstab**

			Kelompok mRS		Total
			Buruk	Baik	
Jenis Kelamin	Laki-laki	Count	16	8	24
		% within Jenis Kelamin	66.7%	33.3%	100.0%
	Perempuan	Count	20	8	28
		% within Jenis Kelamin	71.4%	28.6%	100.0%
Total		Count	36	16	52
		% within Jenis Kelamin	69.2%	30.8%	100.0%

**Chi-Square Tests**

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.138 <sup>a</sup>	1	.711		
Continuity Correction <sup>b</sup>	.005	1	.945		
Likelihood Ratio	.137	1	.711		
Fisher's Exact Test				.769	.471
Linear-by-Linear Association	.135	1	.713		
N of Valid Cases	52				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 7.38.

b. Computed only for a 2x2 table

**Risk Estimate**

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Jenis Kelamin (Laki-laki / Perempuan)	.800	.246	2.604
For cohort Kelompok mRS = Buruk	.933	.646	1.348
For cohort Kelompok mRS = Baik	1.167	.517	2.634
N of Valid Cases	52		

## Hipertensi \* Kelompok mRS

## DM \* Kelompok mRS

**Crosstab**

			Kelompok mRS		Total
			Buruk	Baik	
DM	Ya	Count	6	4	10
		% within DM	60.0%	40.0%	100.0%
	Tidak	Count	30	12	42
		% within DM	71.4%	28.6%	100.0%
Total	Count		36	16	52
	% within DM		69.2%	30.8%	100.0%

**Chi-Square Tests**

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.495 <sup>a</sup>	1	.482		
Continuity Correction <sup>b</sup>	.104	1	.747		
Likelihood Ratio	.478	1	.489		
Fisher's Exact Test				.475	.364
Linear-by-Linear Association	.486	1	.486		
N of Valid Cases	52				

a. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 3.08.

b. Computed only for a 2x2 table

### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for DM (Ya / Tidak)	.600	.143	2.511
For cohort Kelompok mRS = Buruk	.840	.489	1.443
For cohort Kelompok mRS = Baik	1.400	.571	3.434
N of Valid Cases	52		

### Dislipidemia \* Kelompok mRS

#### Crosstab

			Kelompok mRS		Total
			Buruk	Baik	
Dislipidemia	Ya	Count	5	4	9
		% within Dislipidemia	55.6%	44.4%	100.0%
	Tidak	Count	31	12	43
		% within Dislipidemia	72.1%	27.9%	100.0%
Total	Count	36	16	52	
	% within Dislipidemia	69.2%	30.8%	100.0%	

#### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.955 <sup>a</sup>	1	.328		
Continuity Correction <sup>b</sup>	.337	1	.562		
Likelihood Ratio	.910	1	.340		
Fisher's Exact Test				.431	.274
Linear-by-Linear Association	.937	1	.333		
N of Valid Cases	52				

a. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 2.77.

b. Computed only for a 2x2 table

**Risk Estimate**

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Dislipidemia (Ya / Tidak)	.484	.111	2.113
For cohort Kelompok mRS = Buruk	.771	.417	1.423
For cohort Kelompok mRS = Baik	1.593	.664	3.818
N of Valid Cases	52		

**Merokok \* Kelompok mRS**

**Crosstab**

			Kelompok mRS		Total
			Buruk	Baik	
Merokok	Ya	Count	7	5	12
		% within Merokok	58.3%	41.7%	100.0%
	Tidak	Count	29	11	40
		% within Merokok	72.5%	27.5%	100.0%
Total		Count	36	16	52
		% within Merokok	69.2%	30.8%	100.0%

**Chi-Square Tests**

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.870 <sup>a</sup>	1	.351		
Continuity Correction <sup>b</sup>	.332	1	.565		
Likelihood Ratio	.839	1	.360		
Fisher's Exact Test				.478	.277
Linear-by-Linear Association	.853	1	.356		
N of Valid Cases	52				

a. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 3.69.

b. Computed only for a 2x2 table

### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Merokok (Ya / Tidak)	.531	.139	2.030
For cohort Kelompok mRS = Buruk	.805	.481	1.346
For cohort Kelompok mRS = Baik	1.515	.656	3.501
N of Valid Cases	52		

### Penyakit Jantung \* Kelompok mRS

#### Crosstab

			Kelompok mRS		Total
			Buruk	Baik	
Penyakit Jantung	Ya	Count	8	1	9
		% within Penyakit Jantung	88.9%	11.1%	100.0%
	Tidak	Count	28	15	43
		% within Penyakit Jantung	65.1%	34.9%	100.0%
Total		Count	36	16	52
		% within Penyakit Jantung	69.2%	30.8%	100.0%

#### Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1.974 <sup>a</sup>	1	.160	.245	.157
Continuity Correction <sup>b</sup>	1.016	1	.313		
Likelihood Ratio	2.296	1	.130		
Fisher's Exact Test					
Linear-by-Linear Association	1.936	1	.164		
N of Valid Cases	52				

a. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 2.77.

b. Computed only for a 2x2 table

### Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Penyakit Jantung (Ya / Tidak)	4.286	.489	37.588
For cohort Kelompok mRS = Buruk	1.365	.993	1.876
For cohort Kelompok mRS = Baik	.319	.048	2.114
N of Valid Cases	52		

### CROSSTABS

```

/TABLES=HT BY klp_mRS
/FORMAT=AVALUE TABLES
/STATISTICS=CHISQ RISK
/CELLS=COUNT ROW
/COUNT ROUND CELL.

```

## Crosstabs

### Notes

Output Created		07-NOV-2020 19:44:21
Comments		
Input	Data	/Users/a.alfian/Documents/Doku men/DATA PEKERJAAN/data dr Budi.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	52
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Syntax	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table. CROSSTABS /TABLES=HT BY klp_mRS /FORMAT=AVALUE TABLES /STATISTICS=CHISQ RISK /CELLS=COUNT ROW /COUNT ROUND CELL.
	Resources	Processor Time 00:00:00.01 Elapsed Time 00:00:00.00 Dimensions Requested 2 Cells Available 524245

#### Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Hipertensi * Kelompok mRS	52	100.0%	0	0.0%	52	100.0%

#### Hipertensi \* Kelompok mRS Crosstabulation

			Kelompok mRS		Total
			Buruk	Baik	
Hipertensi	Ya	Count	25	9	34
		% within Hipertensi	73.5%	26.5%	100.0%
	Tidak	Count	11	7	18
		% within Hipertensi	61.1%	38.9%	100.0%
Total		Count	36	16	52
		% within Hipertensi	69.2%	30.8%	100.0%



**Chi-Square Tests**

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.852 <sup>a</sup>	1	.356		
Continuity Correction <sup>b</sup>	.369	1	.544		
Likelihood Ratio	.838	1	.360		
Fisher's Exact Test				.367	.270
Linear-by-Linear Association	.836	1	.361		
N of Valid Cases	52				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.54.

b. Computed only for a 2x2 table

**Risk Estimate**

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for Hipertensi (Ya / Tidak)	1.768	.524	5.963
For cohort Kelompok mRS = Buruk	1.203	.790	1.831
For cohort Kelompok mRS = Baik	.681	.304	1.524
N of Valid Cases	52		

```
RECODE usia (Lowest thru 54=1) (55 thru 64=2) (65 thru 74=3) (75 thru 80=4) INTO klp_usia.
```

```
VARIABLE LABELS klp_usia 'Kelompok Usia'.
```

```
EXECUTE.
```

```
DATASET ACTIVATE DataSet0.
```

```
SAVE OUTFILE='/Users/a.alfian/Documents/Dokumen/DATA PEKERJAAN/data dr Budi.sav'
```

```
/COMPRESSED.
```

```
CROSSTABS
```

```
/TABLES=klp_usia BY klp_mRS
```

```
/FORMAT=AVALUE TABLES
```

```
/STATISTICS=CHISQ RISK
```

```
/CELLS=COUNT ROW
```

```
/COUNT ROUND CELL.
```

## Crosstabs

### Notes

Output Created		07-NOV-2020 19:48:38
Comments		
Input	Data	/Users/a.alfian/Documents/Doku men/DATA PEKERJAAN/data dr Budi.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	52
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.
Syntax		CROSSTABS  /TABLES=klp_usia BY klp_mRS /FORMAT=AVALUE TABLES /STATISTICS=CHISQ RISK /CELLS=COUNT ROW /COUNT ROUND CELL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00
	Dimensions Requested	2
	Cells Available	524245

### Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Kelompok Usia * Kelompok mRS	52	100.0%	0	0.0%	52	100.0%

**Kelompok Usia \* Kelompok mRS Crosstabulation**

			Kelompok mRS		Total
			Buruk	Baik	
Kelompok Usia	< 55 tahun	Count	10	6	16
		% within Kelompok Usia	62.5%	37.5%	100.0%
	55 - 64 tahun	Count	12	4	16
		% within Kelompok Usia	75.0%	25.0%	100.0%
	65 - 74 tahun	Count	10	4	14
		% within Kelompok Usia	71.4%	28.6%	100.0%
	75 - 80 tahun	Count	4	2	6
		% within Kelompok Usia	66.7%	33.3%	100.0%
Total		Count	36	16	52
		% within Kelompok Usia	69.2%	30.8%	100.0%

**Chi-Square Tests**

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	.641 <sup>a</sup>	3	.887
Likelihood Ratio	.639	3	.888
Linear-by-Linear Association	.103	1	.749
N of Valid Cases	52		

a. 5 cells (62.5%) have expected count less than 5. The minimum expected count is 1.85.

**Risk Estimate**

	Value
Odds Ratio for Kelompok Usia (< 55 tahun / 55 - 64 tahun)	<sup>a</sup>

a. Risk Estimate statistics cannot be computed. They are only computed for a 2\*2 table without empty cells.

```

EXAMINE VARIABLES=homosistein BY HT klp_mRS
/PLOT BOXPLOT STEMLEAF NPLOT
/COMPARE GROUPS
/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.

```

## Explore

		Notes
Output Created		07-NOV-2020 19:49:48
Comments		
Input	Data	/Users/a.alfian/Documents/Dokumen/DATA PEKERJAAN/data dr Budi.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	52
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=homosistein BY HT klp_mRS /PLOT BOXPLOT STEMLEAF NPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:01.92
	Elapsed Time	00:00:02.00

# Hipertensi

## Case Processing Summary

		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Homosistein	Ya	34	100.0%	0	0.0%	34	100.0%
	Tidak	18	100.0%	0	0.0%	18	100.0%

## Descriptives

		Hipertensi		Statistic	Std. Error
Homosistein	Ya	Mean		5.2918	2.12146
		95% Confidence Interval for Mean	Lower Bound	.9756	
			Upper Bound	9.6079	
		5% Trimmed Mean		3.0212	
		Median		2.6700	
		Variance		153.020	
		Std. Deviation		12.37013	
		Minimum		2.49	
		Maximum		74.53	
		Range		72.04	
		Interquartile Range		.23	
		Skewness		5.643	.403
		Kurtosis		32.392	.788
		Homosistein	Tidak	Mean	
95% Confidence Interval for Mean	Lower Bound			-.1321	
	Upper Bound			12.2066	
5% Trimmed Mean				3.4836	
Median				2.8550	
Variance				153.909	
Std. Deviation				12.40600	
Minimum				2.47	
Maximum				55.57	

	Range	53.10	
	Interquartile Range	.40	
	Skewness	4.194	.536
	Kurtosis	17.695	1.038

#### Tests of Normality

	Hipertensi	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Homosistein	Ya	.429	34	.000	.226	34	.000
	Tidak	.450	18	.000	.301	18	.000

a. Lilliefors Significance Correction

## Homosistein

### Stem-and-Leaf Plots

Homosistein Stem-and-Leaf Plot for  
HT= Ya

```

Frequency      Stem & Leaf
  1.00         24 . 9
 10.00         25 . 0256777899
   8.00         26 . 11235689
   4.00         27 . 1226
   5.00         28 . 00127
   1.00         29 . 1
   5.00 Extremes      (>=4.10)

```

```

Stem width:      .10
Each leaf:       1 case(s)

```

Homosistein Stem-and-Leaf Plot for  
HT= Tidak

```

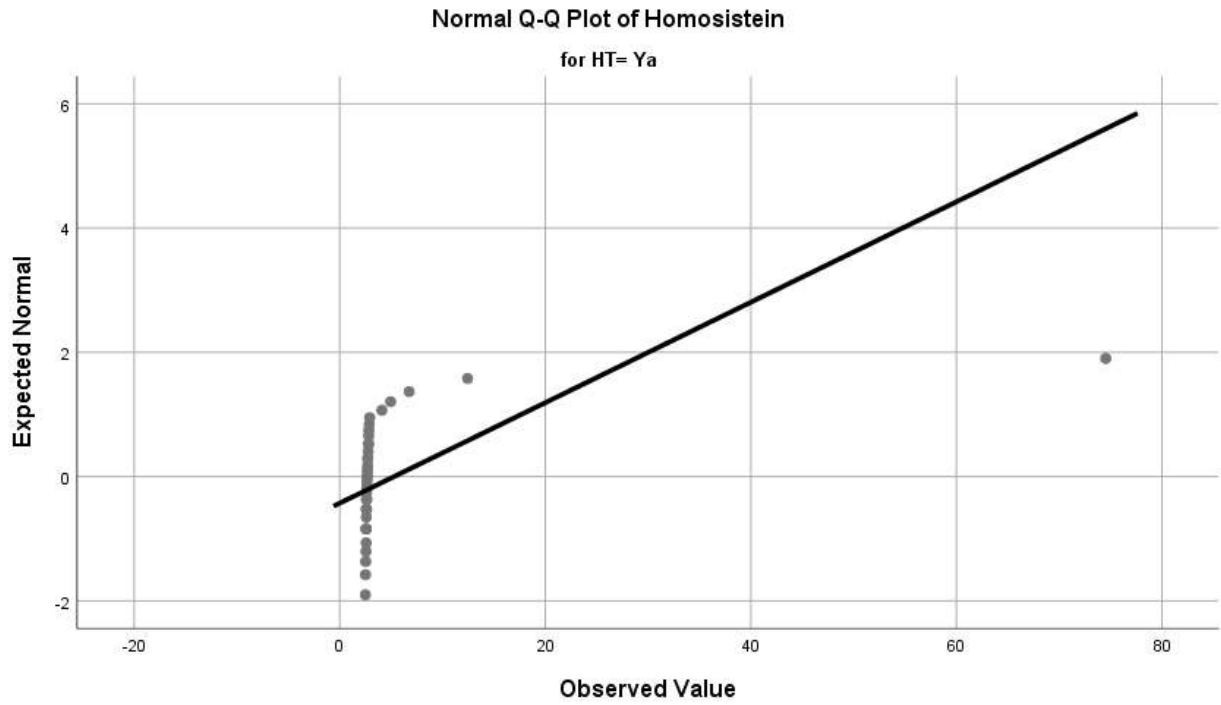
Frequency      Stem & Leaf
  2.00         24 . 78
   .00         25 .
  3.00         26 . 279
  3.00         27 . 027
  1.00         28 . 1
  4.00         29 . 0148
  1.00         30 . 4

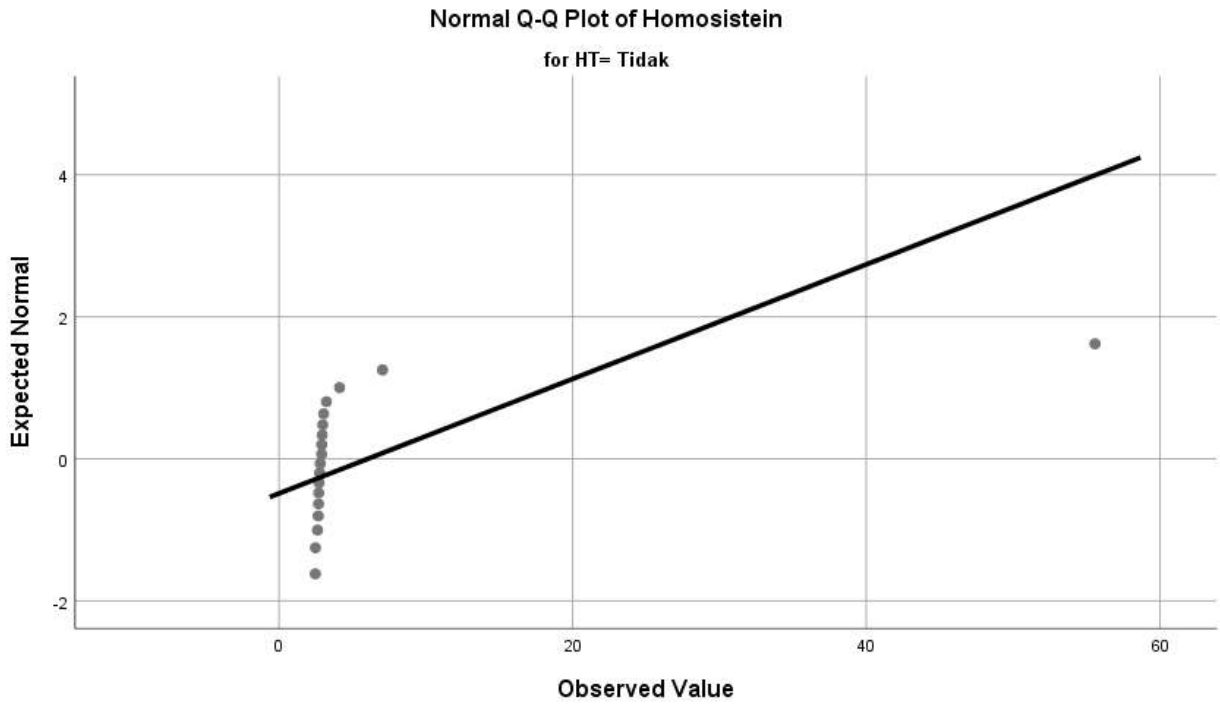
```

```
.00      31 .  
1.00     32 . 3  
3.00 Extremes (>=4.12)
```

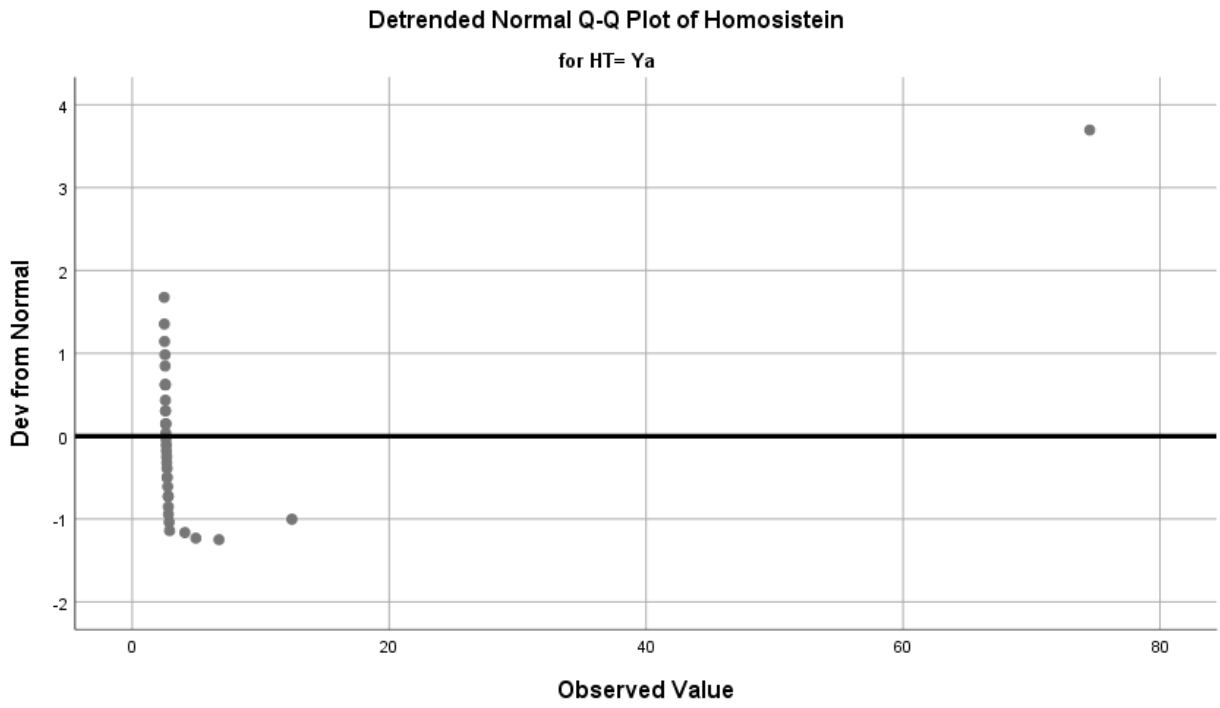
```
Stem width:      .10  
Each leaf:       1 case(s)
```

## Normal Q-Q Plots

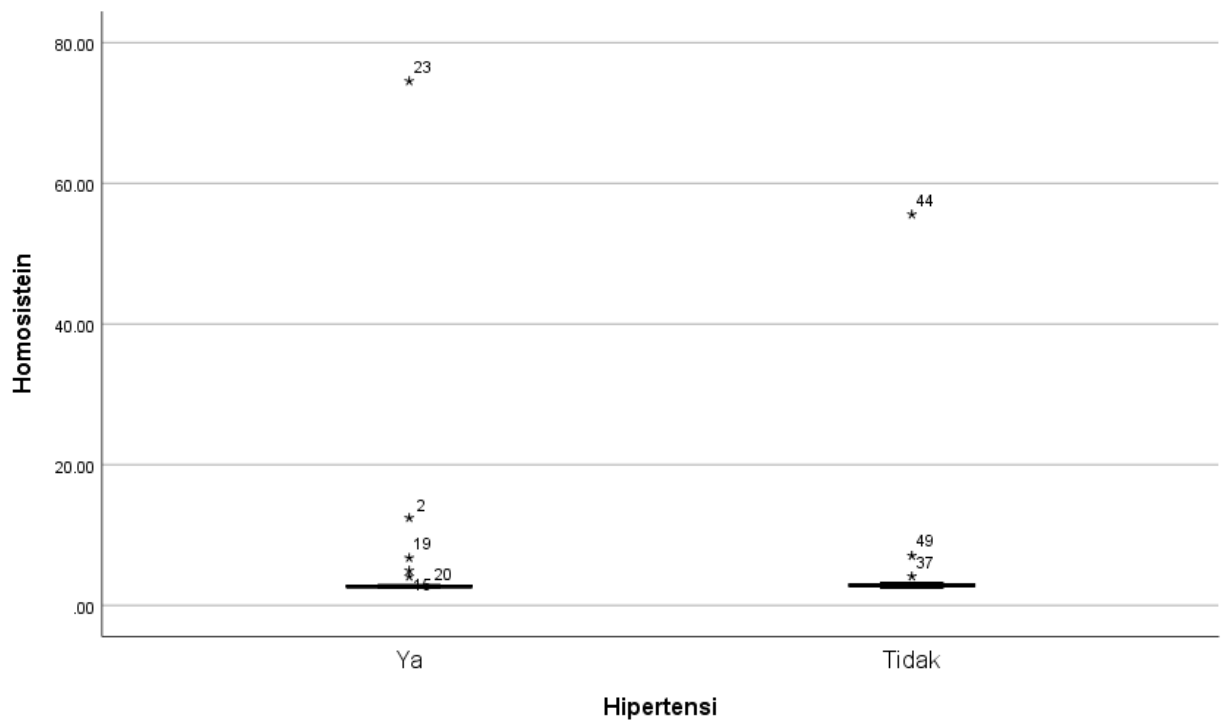
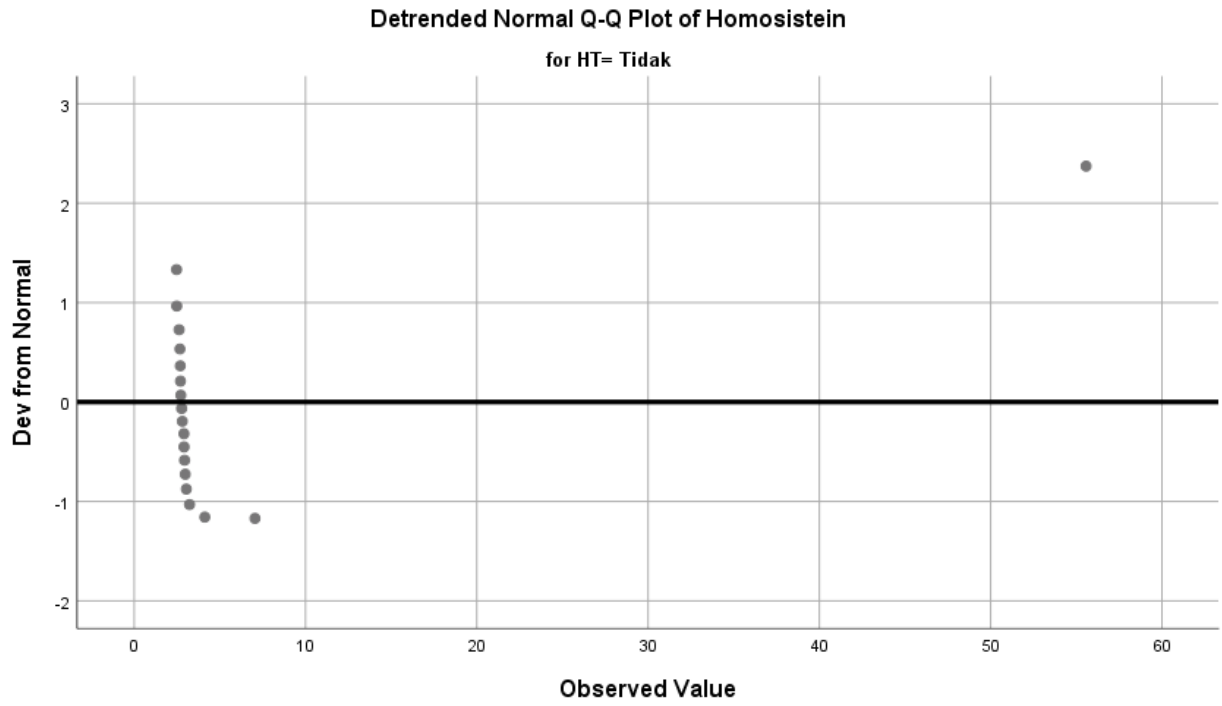




## Detrended Normal Q-Q Plots







## Kelompok mRS

### Case Processing Summary

		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Homosistein	Buruk	36	100.0%	0	0.0%	36	100.0%
	Baik	16	100.0%	0	0.0%	16	100.0%

### Descriptives

		Kelompok mRS	Statistic	Std. Error	
Homosistein	Buruk	Mean	6.7594	2.43916	
		95% Confidence Interval for Mean	Lower Bound	1.8077	
			Upper Bound	11.7112	
		5% Trimmed Mean		3.6998	
		Median		2.7200	
		Variance		214.181	
		Std. Deviation		14.63494	
		Minimum		2.48	
		Maximum		74.53	
		Range		72.05	
		Interquartile Range		.42	
		Skewness		4.109	.393
		Kurtosis		16.525	.768
			Baik	Mean	2.8281
95% Confidence Interval for Mean	Lower Bound			2.5172	
	Upper Bound			3.1391	
5% Trimmed Mean				2.7301	
Median				2.6850	
Variance				.341	
Std. Deviation				.58354	
Minimum				2.47	
Maximum				4.95	
Range				2.48	
Interquartile Range				.25	

Skewness	3.600	.564
Kurtosis	13.752	1.091

### Tests of Normality

	Kelompok mRS	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Homosistein	Buruk	.433	36	.000	.314	36	.000
	Baik	.361	16	.000	.503	16	.000

a. Lilliefors Significance Correction

## Homosistein

### Stem-and-Leaf Plots

Homosistein Stem-and-Leaf Plot for  
klp\_mRS= Buruk

```

Frequency      Stem & Leaf
      1.00      24 . 8
      7.00      25 . 0277899
      8.00      26 . 11256899
      5.00      27 . 12227
      3.00      28 . 007
      3.00      29 . 118
      1.00      30 . 4
      .00       31 .
      1.00      32 . 3
      7.00 Extremes (>=4.10)

```

Stem width: .10  
Each leaf: 1 case(s)

Homosistein Stem-and-Leaf Plot for  
klp\_mRS= Baik

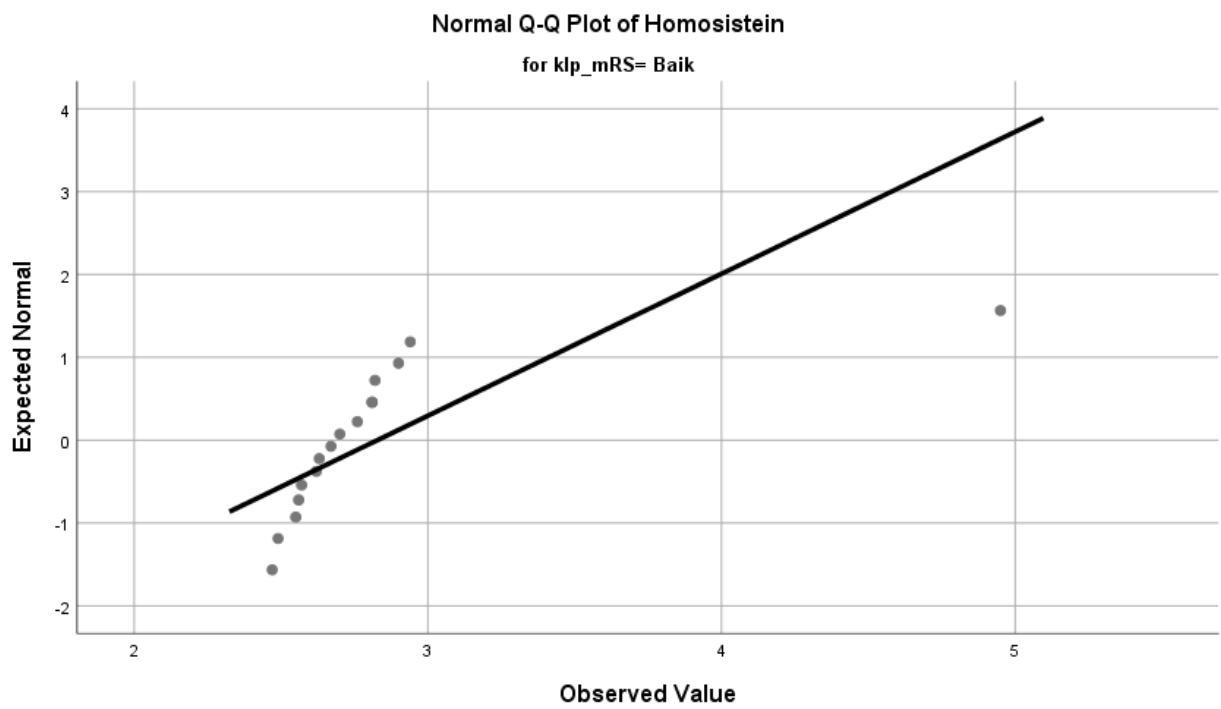
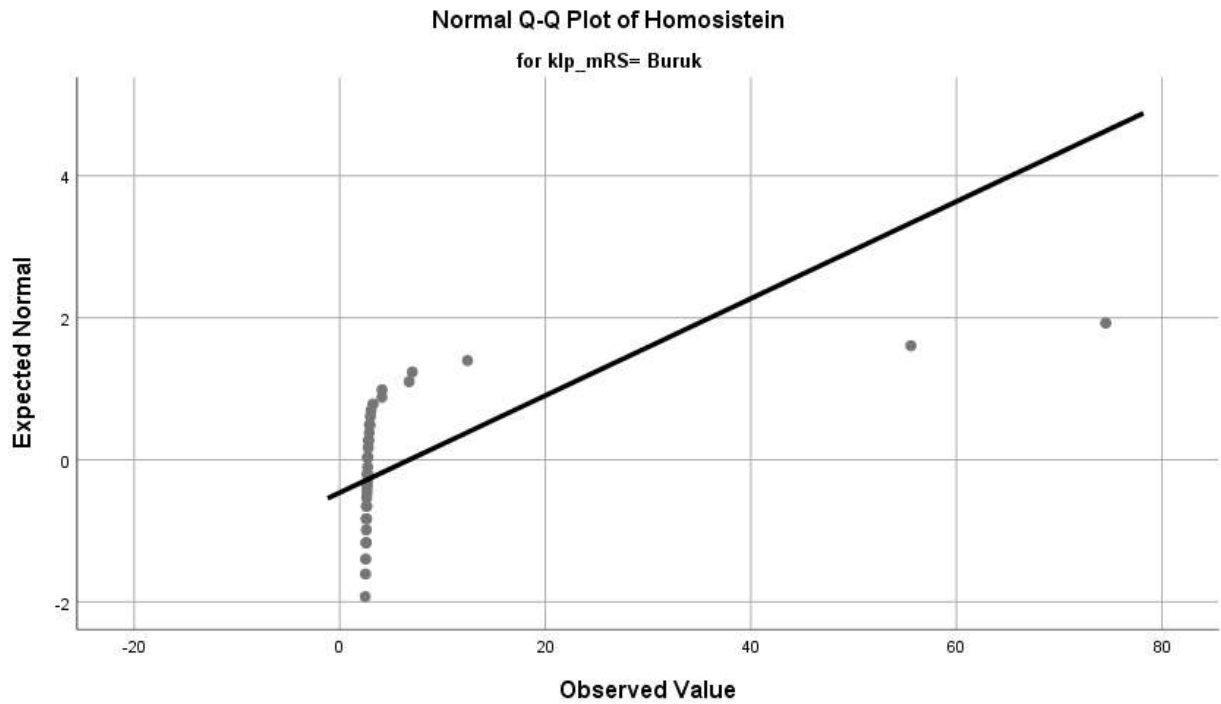
```

Frequency      Stem & Leaf
      2.00      24 . 79
      3.00      25 . 567
      3.00      26 . 237
      2.00      27 . 06
      3.00      28 . 112
      2.00      29 . 04
      1.00 Extremes (>=4.95)

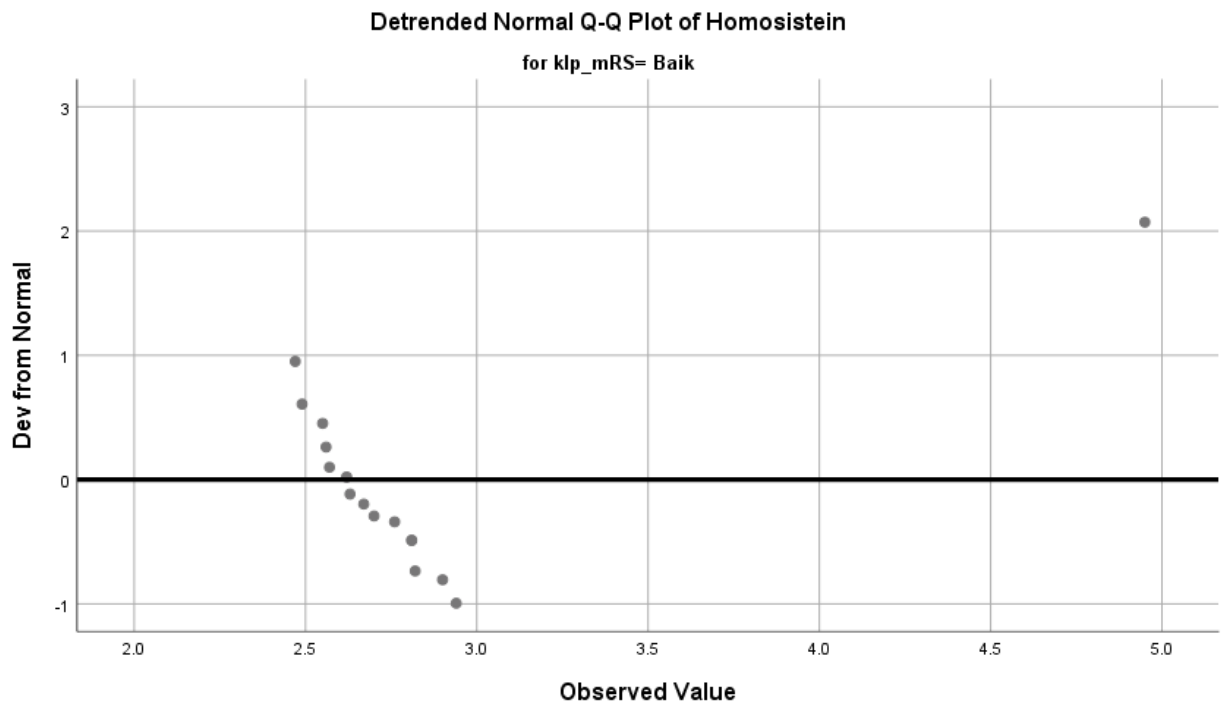
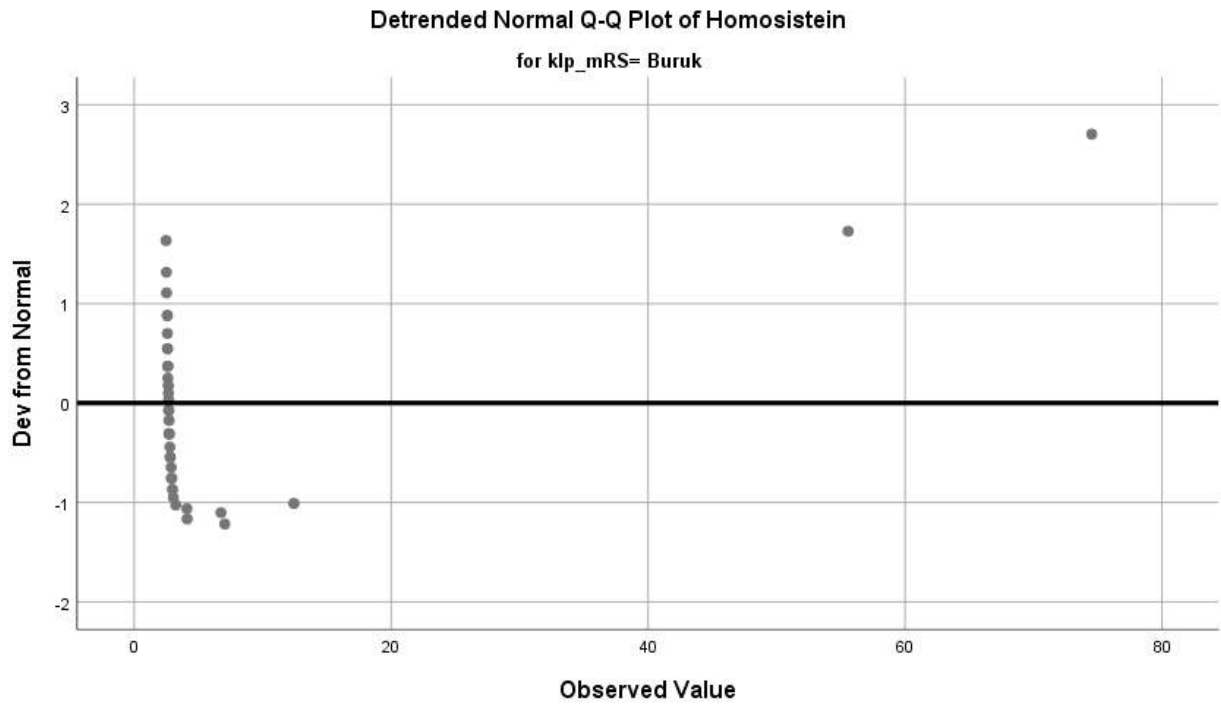
```

Stem width: .10  
Each leaf: 1 case(s)

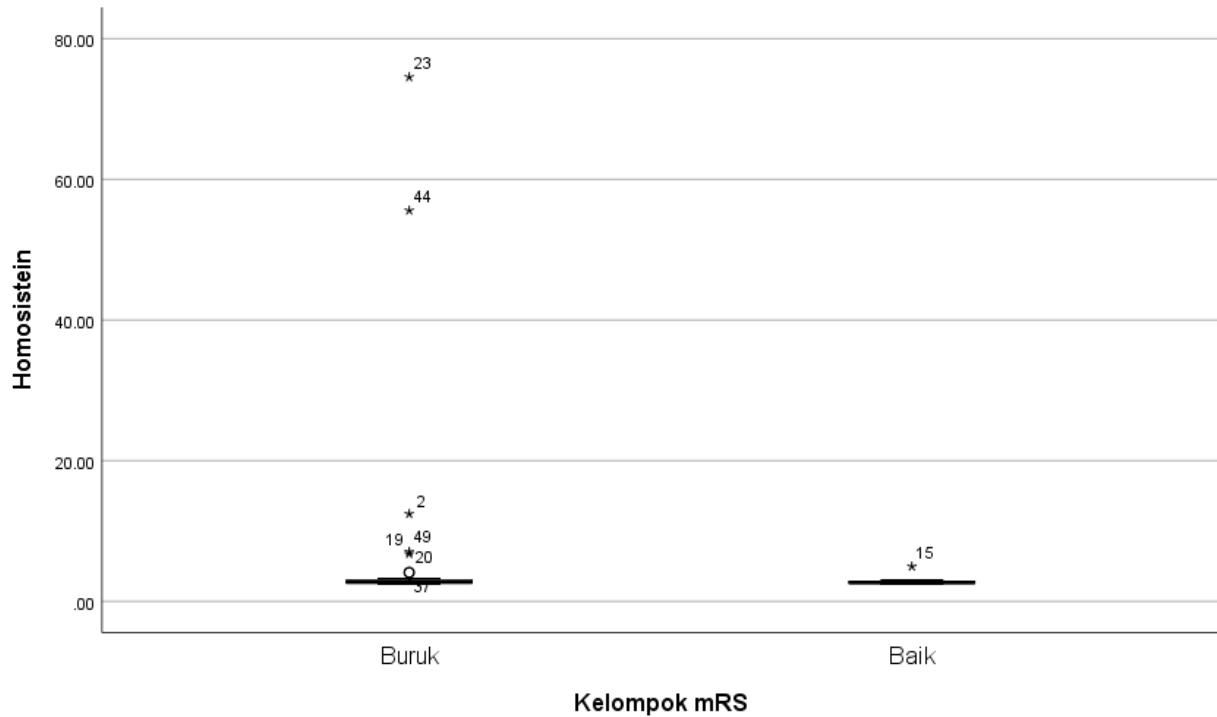
## Normal Q-Q Plots



## Detrended Normal Q-Q Plots



## Boxplots



```

NPAR TESTS
  /M-W= homosistein BY klp_mRS(1 2)
  /MISSING ANALYSIS.
  
```

## NPar Tests

Notes		
Output Created		07-NOV-2020 19:50:38
Comments		
Input	Data	/Users/a.alfian/Documents/Doku men/DATA PEKERJAAN/data dr Budi.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	52
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Cases Used		Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= homosistein BY klp_mRS(1 2) /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00
	Number of Cases Allowed <sup>a</sup>	449389

a. Based on availability of workspace memory.

## Mann-Whitney Test

	Kelompok mRS	N	Mean Rank	Sum of Ranks
Homosistein	Buruk	36	28.07	1010.50
	Baik	16	22.97	367.50
	Total	52		

	Homosistein
Mann-Whitney U	231.500
Wilcoxon W	367.500
Z	-1.121
Asymp. Sig. (2-tailed)	.262

a. Grouping Variable: Kelompok mRS

```

NPAR TESTS
  /M-W= homosistein BY klp_usia(1 2)
  /MISSING ANALYSIS.

```

## NPar Tests

Notes		
Output Created		07-NOV-2020 19:51:05
Comments		
Input	Data	/Users/a.alfian/Documents/Doku men/DATA PEKERJAAN/data dr Budi.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	52
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= homosistein BY klp_usia(1 2) /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00
	Number of Cases Allowed <sup>a</sup>	449389

a. Based on availability of workspace memory.

## Mann-Whitney Test

Ranks				
	Kelompok Usia	N	Mean Rank	Sum of Ranks
Homosistein	< 55 tahun	16	15.47	247.50
	55 - 64 tahun	16	17.53	280.50
	Total	32		



**Test Statistics<sup>a</sup>**

	Homosistein
Mann-Whitney U	111.500
Wilcoxon W	247.500
Z	-.622
Asymp. Sig. (2-tailed)	.534
Exact Sig. [2*(1-tailed Sig.)]	.539 <sup>b</sup>

a. Grouping Variable: Kelompok Usia

b. Not corrected for ties.