

## DAFTAR PUSTAKA

- Aprianto, Imam. 2017. *Kajian Umur Pakai Tempat Pemrosesan Akhir (TPA) Patommo Kabupaten Sidrap*. Makassar: Universitas Hasanudin.
- Azwar, Azrul. 1990. *Pengantar Ilmu Lingkungan*. Jakarta: Mutiara Sumber Widya
- Badan Pusat Statistik. 2021-2009. *Kabupaten Enrekang Dalam Angka 2021-2010*. Enrekang: Badan Pusat Statistik Kabupaten Enrekang.
- Damanhuri, Enri, dan Tri Padmi. 2010. *Pengelolaan Sampah*. Bandung: Institut Teknologi Bandung
- Departemen Pekerjaan Umum. 1998. *Petunjuk Teknis Nomor CT/S/Re-TC/004/98 tentang Tata Cara Perencanaan TPA Sampah*. Jakarta : Direktorat Jenderal Cipta Karya
- Dinas Lingkungan Hidup Kabupaten Enrekang. 2020. *Data Komposisi Sampah Kabupaten Enrekang Tahun 2020*
- Dinas Lingkungan Hidup Kabupaten Enrekang. 2021. *Laporan Penimbangan Sampah Harian TPA Matang*
- Google earth. 2021. Explore, Search and Discover, ([http:// www.earthgoogle.com](http://www.earthgoogle.com), diakses 25 Mei 2021).
- Indonesia Geospatial Portal. 2021. Inageoportal-Indonesia, (<https://tanahair.indonesia.go.id/portal-web>, diakses 26 November 2021).
- Juhaidah, Syarfina. 2018. *Pengelolaan Sampah TPA Tamangapa Kota Makassar*. Malang: Universitas Brawijaya
- Kementerian Lingkungan Hidup dan Kehutanan. 2022. *Sistem Informasi Pengelolaan Sampah Nasional*.
- Kementerian Pekerjaan Umum dan Perumahan Rakyat. 2017. *Spesifikasi Teknis Persampahan-Lampiran A-Spesifikasi Teknis Sektor Persampahaan*. Direktorat Jenderal Bina Konstruksi. Indonesia.

- Kementerian Pekerjaan Umum dan Perumahan Rakyat. 2017. *Petunjuk Teknis Tempat Pengolahan Sampah (TPS) 3R*. Direktorat Jenderal Cipta Karya. Indonesia.
- Kementrian Lingkungan Hidup dan Kehutanan, 2020, *Sistem Informasi Pengelolaan Sampah Nasional*,
- Muhammad Farhan Baba. 2020. *Penentuan Lokasi Tempat Pembuangan Akhir (TPA) Sampah dengan Menggunakan Sistem Informasi Dan Geografis (SIG) Di Kota Tidore Kepulauan Provinsi Maluku Utara*. Yogyakarta: Institut Sains dan Teknologi AKPRIND
- Nurdiansyah, Farah. 2016. *Studi Perencanaan Penutupan TPA (Tempat Pemrosesan Akhir) Tamangapa Kota Makassar*. Makassar: Universitas Hasanudin
- Pemerintah Kabupaten Enrekang. 2018. *Startegi Sanitasi Kabupaten (SSK) Enrekang*.
- Santoso, Gusmar Dwi. 2018. *TPA Tamangapa, Kelurahan Tamangapa, Kecamatan Manggala, Kota Makassar*. Makassar: Universitas Hasanudin.
- Sejati, K. 2009. *Pengolahan Sampah Terpadu*. Kasnisius. Yogyakarta.
- Standar Nasional Indonesia Nomor SNI 19-3964-1995. *Metode Pengambilan Dan Pengukuran Contoh Timbulan dan Komposisi Sampah Perkotaan*. Badan Standarisasi Nasional. (BSN)
- Standar Nasional Indonesia Nomor SNI M-36-1991-03. *Tata Cara Pemilihan Lokasi Tempat Pembuangan Akhir Sampah*. Badan Standar Nasional (BSN)
- Standar Nasional Indonesia Nomor. SNI 03-3241-1994. *Tata Cara Pemilihan Lokasi Tempat Pembuangan Akhir Sampah*. Badan Standar Nasional (BSN)
- Standar Nasional Indonesia Nomor. SNI, 19-3983-1995. *Spesifikasi timbulan sampah untuk kota kecil dan kota sedang di Indonesia*
- Standar SNI – SNI No 19-2454-2002. *Tentang tata cara teknik operasional pengelolaan sampah perkotaan*.

- Sudjana. 1996. *Metode Statistika*. Bandung: Sinar Baru Algasindo
- Sukandarrumidi. 2009. *Rekayasa Gambut, Briket Batubara, dan Sampah organic*. Yogyakarta: Gajah Mada University Press
- Suryono dan Budiman (2010), *Sistem 3R*, Institut Teknologi Bandung.
- Suyanto E, Soetarto E, Sumardjo, Hardjomidjojo H. 2015. *Model Kebijakan Pengelolaan Sampah Berbasis Partisipasi "Green Community" Mendukung Kota Hijau*. Jurnal Mimbar
- Tchobanoglous G., Thiesen H., Eliassen R. 1993. *Integrated Solid Waste Management*. New York: McGraw Hill Publishing Compan.
- Tuzzahra, Najmi Nafisa dan Siti Ainun. 2018. *Kajian Sisa Umur Pakai Tempat Pemrosesan Akhir (TPA) Sumur Batu Kota Bekasi Dengan Optimalisasi Sistem Pengolahan*. Bandung: Institut Teknologi Bandung.
- Undang-Undang Republik Indonesia Nomor 18 Tahun 2008 *Tentang Pengelolaan Sampah*.

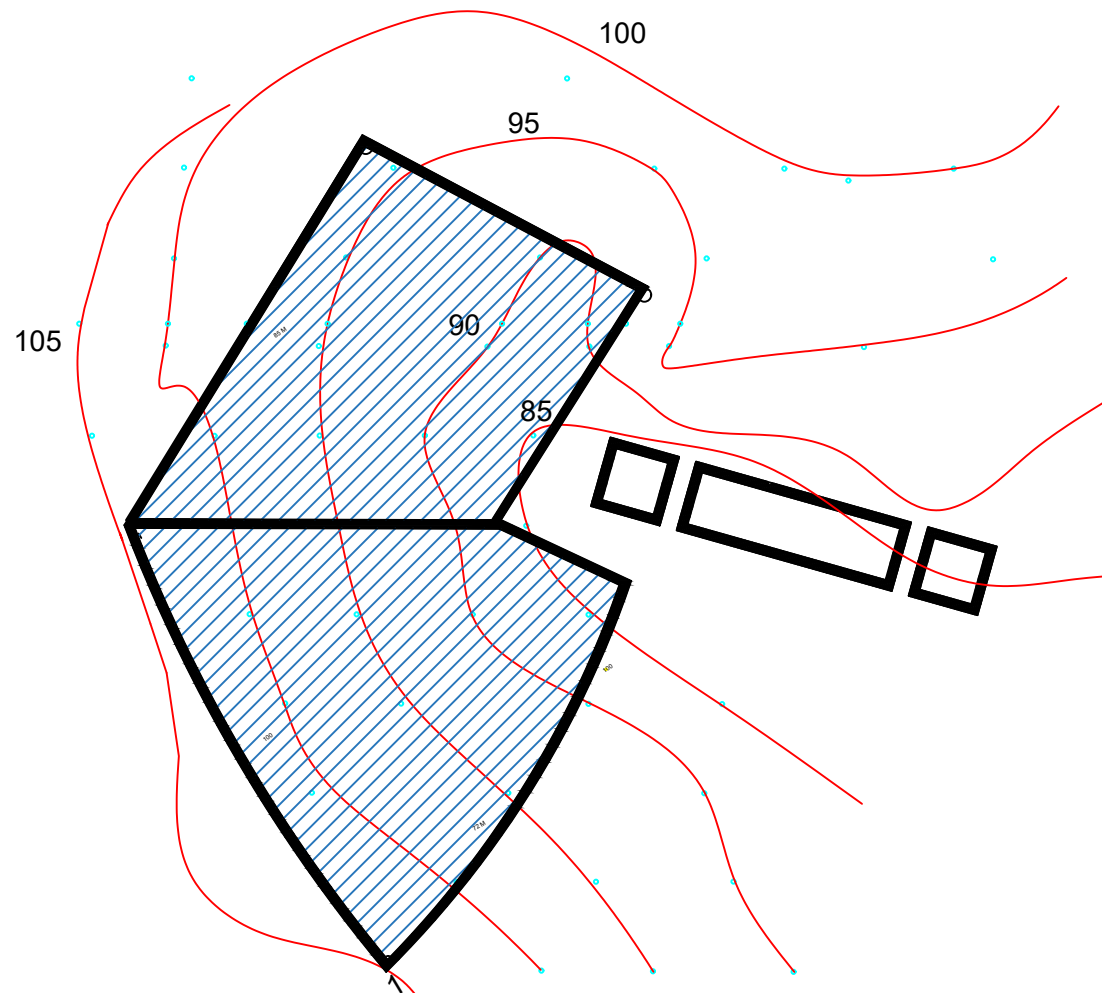
## **LAMPIRAN**

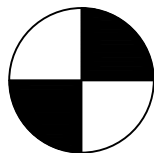
**Lampiran 1.** Peta Kontur TPA Matang Kabupaten Enrekang

**Lampiran 2.** Rekapitulasi Perhitungan Densitas Sampah yang Masuk ke TPA  
Matang

**Lampiran 3.** Hasil Uji Statistik Data Densitas Sampah

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 PETA KONTUR  
SKALA 1:1500

**Lampiran 1.** Peta Kontur TPA Matang Kabupaten Enrekang

**Lampiran 2.** Rekapitulasi Perhitungan Densitas Sampah yang Masuk ke TPA Matang

Hari	Jenis truck	Berat di jembatan timbang		Netto (kg)	Volume bak kendaraan (m <sup>3</sup> )	Densitas Sampah per Truck (kg/m <sup>3</sup> )	Densitas Sampah (kg/m <sup>3</sup> )
		Sesudah terisi sampah (kg)	Sebelum terisi sampah (kg)				
		A	B	A-B	C	(A-B)/C	D
I 10/03/2021	Truck I	5.280	3.310	1.970	9,52	206,93	240,30
	Truck II	6.170	3.960	2.210	11,48	192,51	
	Truck III	5.610	3.840	1.770	9	196,67	
	Truck IV	6.700	3.870	2.830	9,52	297,27	
	Truck V	7.580	4.060	3.520	10,25	343,41	
	Truck VI	6.980	3.880	3.100	7,245	427,88	
	Truck VII	5.290	3.680	1.610	9	178,89	
	Truck VIII	5.220	3.840	1.380	9	153,33	
	Truck IX	5.490	3.370	2.120	9	235,56	
	Truck X	5.490	3.770	1.720	11,48	149,83	
	Truck XI	5.960	3.670	2.290	9	254,44	
	Truck XII	5.340	3.870	1.470	7,245	202,90	
	Truck XIII	6.060	4.000	2.060	7,245	284,33	
II 11/03/2021	Truck I	5.400	3.310	2.090	9,52	219,54	245,94
	Truck II	5.720	3.960	1.760	11,48	153,31	
	Truck III	5.310	3.840	1.470	9	163,33	
	Truck IV	5.610	3.870	1.740	9,52	182,77	
	Truck V	6.960	4.060	2.900	10,25	282,93	
	Truck VI	5.430	3.880	1.550	7,245	213,94	

Hari	Jenis truck	Berat di jembatan timbang		Netto (kg)	Volume bak kendaraan (m <sup>3</sup> )	Densitas Sampah per Truck (kg/m <sup>3</sup> )	Densitas Sampah (kg/m <sup>3</sup> )
		Sesudah terisi sampah (kg)	Sebelum terisi sampah (kg)				
		A	B	A-B	C	(A-B)/C	D
	Truck VII	6.270	3.680	2.590	9	287,78	
	Truck VIII	5.060	3.840	1.220	9	135,56	
	Truck IX	5.620	3.370	2.250	9	250,00	
	Truck X	6.320	3.770	2.550	11,48	222,13	
	Truck XI	5.940	3.670	2.270	9	252,22	
	Truck XII	6.750	3.870	2.880	7,245	397,52	
	Truck XIII	7.160	4.000	3.160	7,245	436,16	
III 12/03/2021	Truck I	6.490	3.310	3.180	9,52	334,03	225,18
	Truck II	5.850	3.960	1.890	11,48	164,63	
	Truck III	5.930	3.840	2.090	9	232,22	
	Truck IV	6.320	3.870	2.450	9,52	257,35	
	Truck V	5.690	4.060	1.630	10,25	159,02	
	Truck VI	7.360	3.880	3.480	7,245	480,33	
	Truck VII	5.630	3.680	1.950	9	216,67	
	Truck VIII	4.710	3.840	870	9	96,67	
	Truck IX	5.270	3.370	1.900	9	211,11	
	Truck X	5.490	3.770	1.720	11,48	149,83	
	Truck XI	5.510	3.670	1.840	9	204,44	
	Truck XII	5.470	3.870	1.600	7,245	220,84	
	Truck XIII	5.330	4.000	1.450	7,245	200,14	

Hari	Jenis truck	Berat di jembatan timbang		Netto (kg)	Volume bak kendaraan (m <sup>3</sup> )	Densitas Sampah per Truck (kg/m <sup>3</sup> )	Densitas Sampah (kg/m <sup>3</sup> )
		Sesudah terisi sampah (kg)	Sebelum terisi sampah (kg)				
		A	B	A-B	C	(A-B)/C	D
IV 13/03/2021	Truck I	4.460	3.310	1.150	9,52	120,80	216,31
	Truck II	6.120	3.960	2.160	11,48	188,15	
	Truck III	6.170	3.840	2.330	9	258,89	
	Truck IV	7.540	3.870	3.670	9,52	385,50	
	Truck V	5.920	4.060	1.860	10,25	181,46	
	Truck VI	5.800	3.880	1.920	7,245	265,01	
	Truck VII	5.070	3.680	1.390	9	154,44	
	Truck VIII	6.840	3.840	3.000	9	333,33	
	Truck IX	4.830	3.370	1.460	9	162,22	
	Truck X	5.360	3.770	1.590	11,48	138,50	
	Truck XI	4.600	3.670	930	9	103,33	
	Truck XII	5.370	3.870	1.500	7,245	207,04	
	Truck XIII	6.270	4.000	2.270	7,245	313,32	
V 15/03/2021	Truck I	4.930	3.310	1.620	9,52	170,17	223,66
	Truck II	5.620	3.960	1.660	11,48	144,60	
	Truck III	5.020	3.840	1.180	9	131,11	
	Truck IV	6.540	3.870	2.670	9,52	280,46	
	Truck V	6.480	4.060	2.420	10,25	236,10	
	Truck VI	6.290	3.880	2.410	7,245	332,64	
	Truck VII	5.940	3.680	2.260	9	251,11	
	Truck VIII	5.260	3.840	1.420	9	157,78	



Hari	Jenis truck	Berat di jembatan timbang		Netto (kg)	Volume bak kendaraan (m <sup>3</sup> )	Densitas Sampah per Truck (kg/m <sup>3</sup> )	Densitas Sampah (kg/m <sup>3</sup> )
		Sesudah terisi sampah (kg)	Sebelum terisi sampah (kg)				
		A	B	A-B	C	(A-B)/C	D
	Truck IX	4.970	3.370	1.600	9	177,78	
	Truck X	6.320	3.770	2.550	11,48	222,131	
	Truck XI	5.400	3.670	1.730	9	192,22	
	Truck XII	5.590	3.870	1.720	7,245	237,41	
	Truck XIII	6.710	4.000	2.710	7,245	374,05	
VI 16/03/2021	Truck I	4.830	3.310	1.520	9,52	159,66	226,09
	Truck II	5.930	3.960	1.970	11,48	171,60	
	Truck III	5.290	3.840	1.450	9	161,11	
	Truck IV	6.220	3.870	2.350	9,52	246,85	
	Truck V	6.500	4.060	2.440	10,25	238,05	
	Truck VI	7.120	3.880	3.240	7,245	447,20	
	Truck VII	5.890	3.680	2.210	9	245,56	
	Truck VIII	6.170	3.840	2.330	9	258,89	
	Truck IX	4.740	3.370	1.370	9	152,22	
	Truck X	5.860	3.770	2.090	11,48	182,06	
	Truck XI	5.520	3.670	1.850	9	205,56	
	Truck XII	5.640	3.870	1.770	7,245	244,31	
VII 17/03/2021	Truck I	4.920	3.310	1.610	9,52	169,12	196,67
	Truck II	5.720	3.960	1.760	11,48	153,31	
	Truck III	5.830	3.840	1.990	9	221,11	

Hari	Jenis truck	Berat di jembatan timbang		Netto (kg)	Volume bak kendaraan (m <sup>3</sup> )	Densitas Sampah per Truck (kg/m <sup>3</sup> )	Densitas Sampah (kg/m <sup>3</sup> )		
		Sesudah terisi sampah (kg)	Sebelum terisi sampah (kg)						
		A	B	A-B	C	(A-B)/C	D		
	Truck IV	6.550	3.870	2.680	9,52	281,51			
	Truck V	6.500	4.060	2.440	10,25	238,05			
	Truck VI	5.640	3.880	1.760	7,245	242,93			
	Truck VII	5.290	3.680	1.610	9	178,89			
	Truck VIII	5.320	3.840	1.480	9	164,44			
	Truck IX	4.750	3.370	1.380	9	153,33			
	Truck X	5.690	3.770	1.920	11,48	167,25			
	Truck XI	5.150	3.670	1.480	9	164,44			
	Truck XII	4.860	3.870	990	7,245	136,65			
	Truck XIII	6.070	4.000	2.070	7,245	285,71			
	VIII 18/03/2021	Truck I	6.490	3.310	3.180	9,52		334,03	217,07
		Truck II	5.840	3.960	1.880	11,48		163,76	
Truck III		5.640	3.840	1.800	9	200			
Truck IV		6.450	3.870	2.580	9,52	271,01			
Truck V		6.840	4.060	2.780	10,25	271,22			
Truck VI		5.440	3.880	1.560	7,245	215,32			
Truck VII		5.190	3.680	1.510	9	167,78			
Truck VIII		4.610	3.840	770	9	85,56			
Truck IX		5.340	3.370	1.970	9	218,89			
Truck X		5.940	3.770	2.170	11,48	189,02			

Hari	Jenis truck	Berat di jembatan timbang		Netto (kg)	Volume bak kendaraan (m <sup>3</sup> )	Densitas Sampah per Truck (kg/m <sup>3</sup> )	Densitas Sampah (kg/m <sup>3</sup> )
		Sesudah terisi sampah (kg)	Sebelum terisi sampah (kg)				
		A	B	A-B	C	(A-B)/C	D
	Truck XI	5.170	3.670	1.500	9	166,67	
	Truck XIII	6.490	4.000	3.180	7,245	321,60	
IX 19/03/2021	Truck I	4.700	3.310	1.390	9,52	146,01	189,64
	Truck II	5.650	3.960	1.690	11,48	147,21	
	Truck III	5.370	3.840	1.530	9	170	
	Truck IV	6.200	3.870	2.330	9,52	244,75	
	Truck V	5.770	4.060	1.710	10,25	166,83	
	Truck VI	6.110	3.880	2.230	7,245	307,80	
	Truck VII	5.160	3.680	1.480	9	164,44	
	Truck VIII	4.990	3.840	1.150	9	127,78	
	Truck IX	4.810	3.370	1.440	9	160,00	
	Truck X	5.500	3.770	1.730	11,48	150,70	
	Truck XI	5.200	3.670	1.530	9	170,00	
	Truck XII	6.190	3.870	2.320	7,245	320,22	
X 20/03/2021	Truck I	5.860	3.310	2.550	9,52	267,86	196,10
	Truck II	5.710	3.960	1.750	11,48	152,44	
	Truck III	4.920	3.840	1.080	9	120,00	
	Truck IV	7.490	3.870	3.620	9,52	380,25	
	Truck V	5.910	4.060	1.850	10,25	180,49	
	Truck VI	5.450	3.880	1.570	7,245	216,70	

Hari	Jenis truck	Berat di jembatan timbang		Netto (kg)	Volume bak kendaraan (m <sup>3</sup> )	Densitas Sampah per Truck (kg/m <sup>3</sup> )	Densitas Sampah (kg/m <sup>3</sup> )
		Sesudah terisi sampah (kg)	Sebelum terisi sampah (kg)				
		A	B	A-B	C	(A-B)/C	D
	Truck VIII	4.540	3.840	1.170	9	251,11	
	Truck IX	4.500	3.370	730	9	130,00	
	Truck X	5.210	3.770	1.540	11,48	63,59	
	Truck XI	5.490	3.670	1.620	9	171,11	
	Truck XII	5.340	3.870	1.470	7,245	223,60	
XI 21/03/2021	Truck I	5.380	3.310	2.070	9,52	217,44	211,73
	Truck II	6.250	3.960	2.290	11,48	199,48	
	Truck III	4.950	3.840	1.110	9	123,33	
	Truck IV	5.180	3.870	1.310	9,52	137,61	
	Truck V	6.780	4.060	2.720	10,25	265,37	
	Truck VI	6.280	3.880	2.400	7,245	331,26	
	Truck VII	5.930	3.680	2.250	9	250,00	
	Truck VIII	4.870	3.840	1.030	9	114,44	
	Truck IX	4.740	3.370	1.370	9	152,22	
	Truck X	5.830	3.770	2.060	11,48	179,44	
	Truck XI	4.980	3.670	1.310	9	145,56	
	Truck XII	5.470	3.870	1.600	7,245	220,84	
	Truck XIII	7.010	4.000	3.010	7,245	415,46	

Hari	Jenis truck	Berat di jembatan timbang		Netto (kg)	Volume bak kendaraan (m <sup>3</sup> )	Densitas Sampah per Truck (kg/m <sup>3</sup> )	Densitas Sampah (kg/m <sup>3</sup> )
		Sesudah terisi sampah (kg)	Sebelum terisi sampah (kg)				
		A	B	A-B	C	(A-B)/C	D
XII 10/03/2021	Truck I	4.190	3.310	880	9,52	92,44	236,83
	Truck II	5.770	3.960	1.810	11,48	157,67	
	Truck III	5.370	3.840	1.530	9	170,00	
	Truck IV	7.640	3.870	3.770	9,52	396,01	
	Truck V	7.000	4.060	2.940	10,25	286,83	
	Truck VI	7.210	3.880	3.330	7,245	459,63	
	Truck VII	5.520	3.680	1.840	9	204,44	
	Truck VIII	6.150	3.840	2.310	9	256,67	
	Truck IX	5.020	3.370	1.650	9	183,33	
	Truck X	5.980	3.770	2.210	11,48	192,51	
	Truck XI	5.180	3.670	1.510	9	167,78	
	Truck XII	5.860	3.870	1.990	7,245	274,67	
<b>Jumlah</b>							<b>2.625,52</b>
<b>Densitas Sampah Rata-rata</b>							<b>218,79</b>

**Lampiran 3. Hasil Uji Statistik Data Densitas Sampah**

**Densitas Hari I**

**Descriptives**

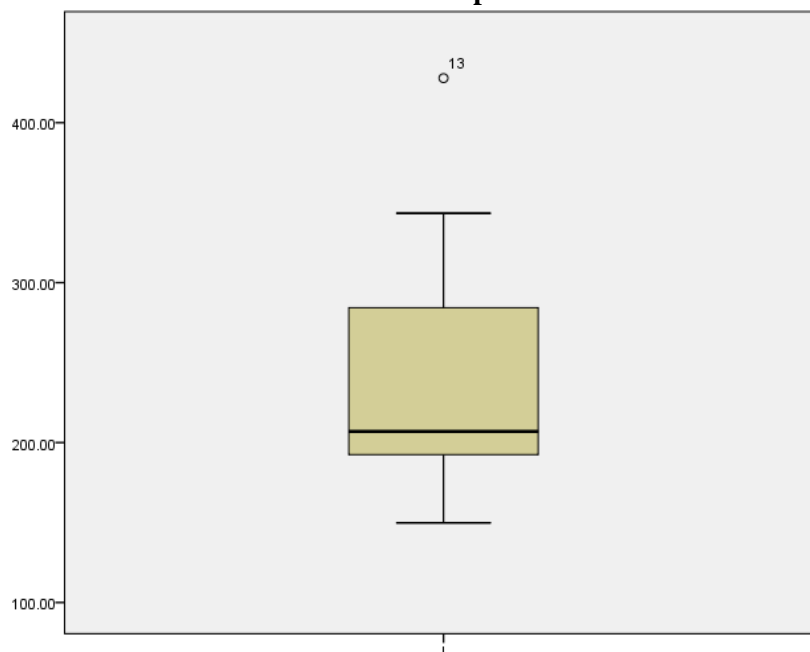
		Statistic	Std. Error	
I	Mean	240.3038	22.28086	
	95% Confidence Interval for Mean	Lower Bound	191.7580	
		Upper Bound	288.8497	
	5% Trimmed Mean	234.9093		
	Median	206.9300		
	Variance	6453.677		
	Std. Deviation	80.33478		
	Minimum	149.83		
	Maximum	427.88		
	Range	278.05		
	Interquartile Range	105.10		
	Skewness	1.151	.616	
	Kurtosis	1.091	1.191	

**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
I	.200	13	.164	.904	13	.150

a. Lilliefors Significance Correction

**Bloxpot**



Setelah Eliminasi Data

**Descriptives**

		Statistic	Std. Error	
I	Mean	224.6725	17.26076	
	95% Confidence Interval for Mean	Lower Bound	186.6818	
		Upper Bound	262.6632	
	5% Trimmed Mean	222.2339		
	Median	204.9150		
	Variance	3575.204		
	Std. Deviation	59.79301		
	Minimum	149.83		
	Maximum	343.41		
	Range	193.58		
	Interquartile Range	94.56		
	Skewness	.687	.637	
	Kurtosis	-.289	1.232	

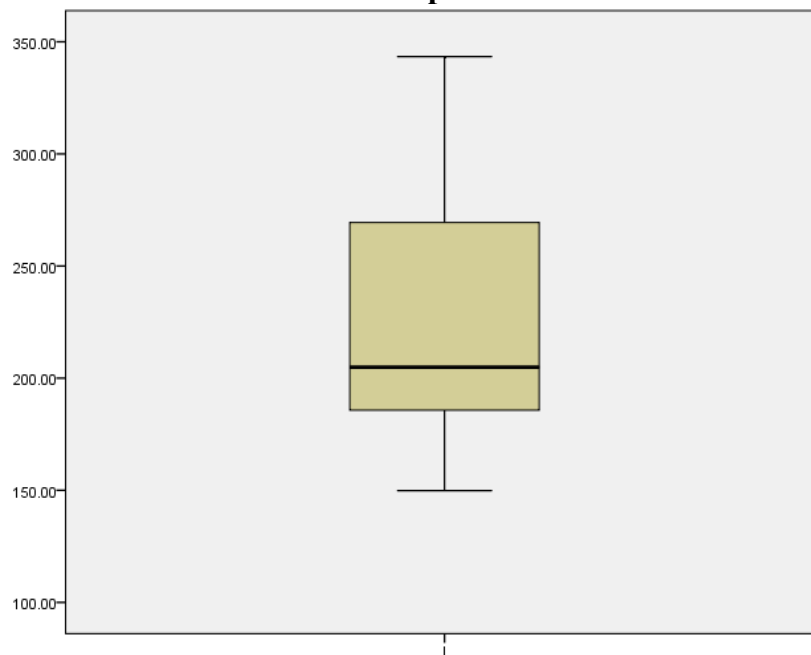
**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
I	.200	12	.200*	.939	12	.480

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

a. Lilliefors Significance Correction

**Bloxpot**



**Densitas Hari II  
Descriptives**

		Statistic	Std. Error	
II	Mean	245.9370	24.83295	
	95% Confidence Interval for Mean	Lower Bound	191.8307	
		Upper Bound	300.0434	
	5% Trimmed Mean	241.5012		
	Median	222.1254		
	Variance	8016.780		
	Std. Deviation	89.53647		
	Minimum	135.56		
	Maximum	436.16		
	Range	300.61		
	Interquartile Range	112.30		
	Skewness	1.025	.616	
	Kurtosis	.639	1.191	

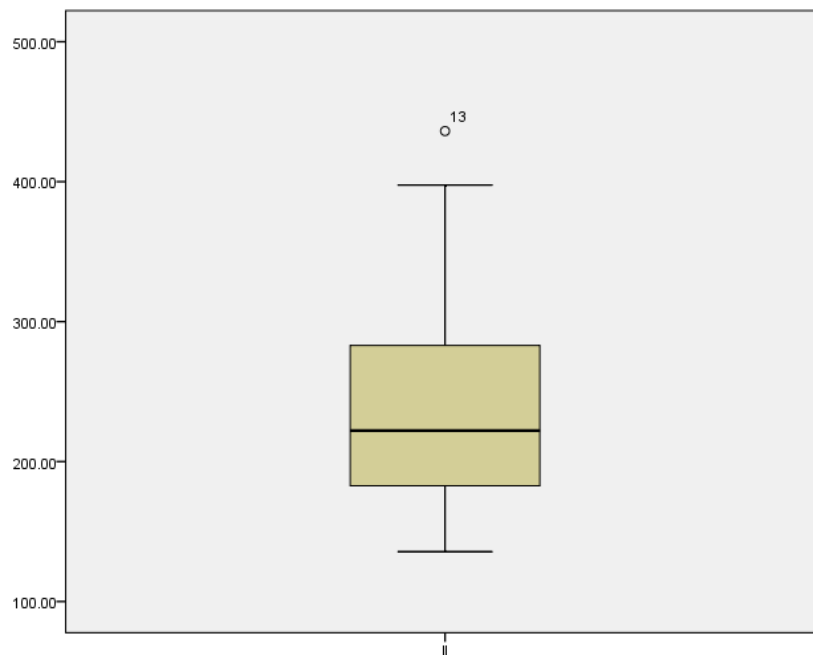
**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
II	.166	13	.200*	.906	13	.162

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

a. Lilliefors Significance Correction

**Bloxpot**





Setelah Eliminasi Data

**Descriptives**

		Statistic	Std. Error
II	Mean	230.0849	20.78024
	95% Confidence Interval for Mean	Lower Bound 184.3479 Upper Bound 275.8219	
	5% Trimmed Mean	226.0348	
	Median	220.8316	
	Variance	5181.818	
	Std. Deviation	71.98485	
	Minimum	135.56	
	Maximum	397.52	
	Range	261.96	
	Interquartile Range	107.06	
	Skewness	.978	.637
	Kurtosis	1.510	1.232

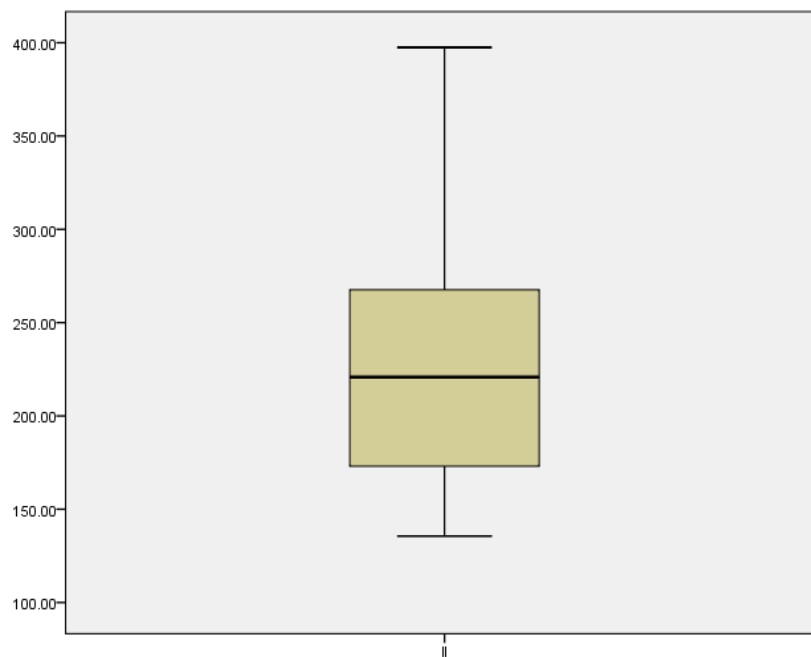
**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
II	.129	12	.200*	.933	12	.414

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

a. Lilliefors Significance Correction

**Bloxpot**



## Densitas Hari III

### Descriptives

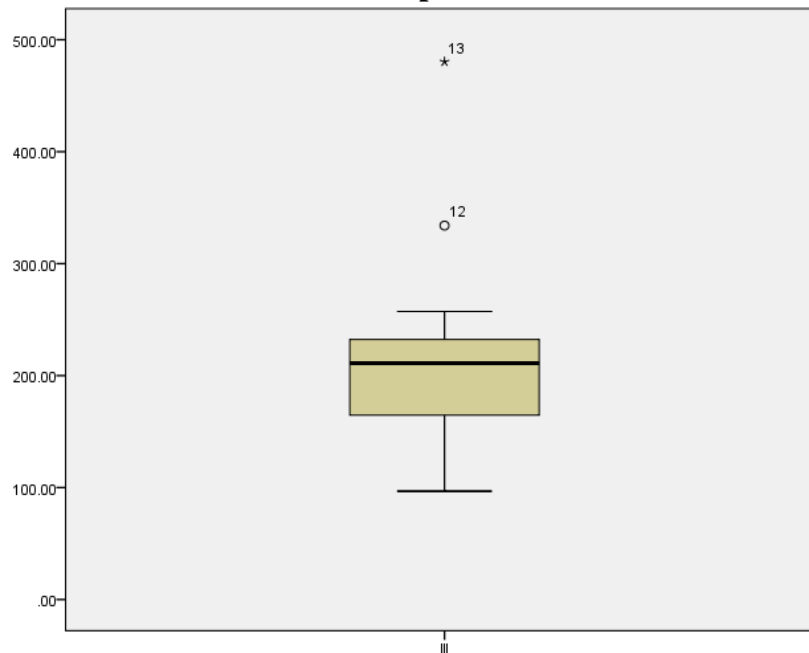
		Statistic	Std. Error	
III	Mean	225.1764	26.50817	
	95% Confidence Interval for Mean	Lower Bound	167.4201	
		Upper Bound	282.9327	
	5% Trimmed Mean	218.1406		
	Median	211.1111		
	Variance	9134.880		
	Std. Deviation	95.57657		
	Minimum	96.67		
	Maximum	480.33		
	Range	383.66		
	Interquartile Range	82.96		
	Skewness	1.675	.616	
	Kurtosis	3.869	1.191	

### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
III	.240	13	.039	.849	13	.027

a. Lilliefors Significance Correction

### Boxplot



Setelah Eliminasi Data

**Descriptives**

		Statistic	Std. Error	
III	Mean	192.0844	13.69100	
	95% Confidence Interval for Mean	Lower Bound	161.5790	
		Upper Bound	222.5898	
	5% Trimmed Mean	193.7594		
	Median	204.4444		
	Variance	2061.877		
	Std. Deviation	45.40790		
	Minimum	96.67		
	Maximum	257.35		
	Range	160.69		
	Interquartile Range	61.82		
	Skewness	-.797	.661	
	Kurtosis	.568	1.279	

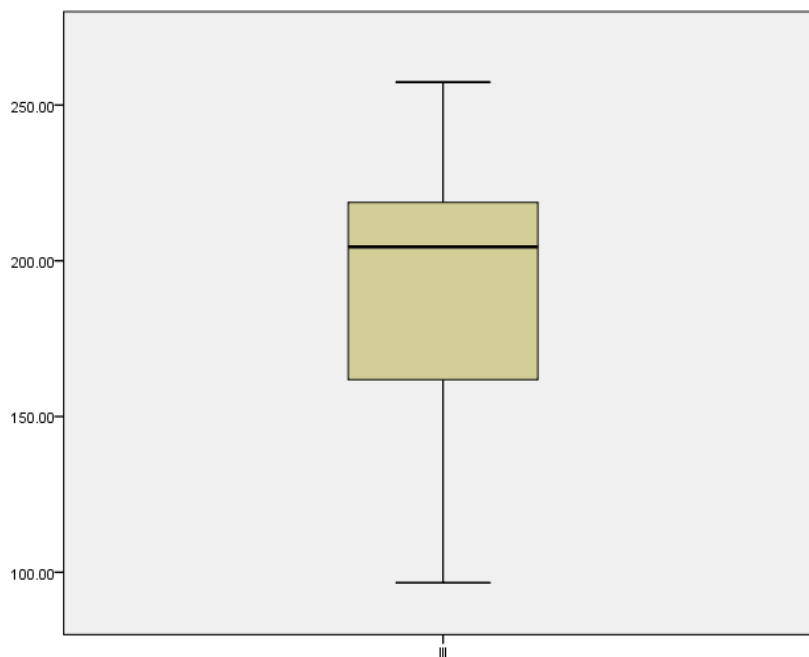
**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
III	.207	11	.200*	.944	11	.566

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

a. Lilliefors Significance Correction

**Boxplot**



## Densitas Hari IV

### Descriptives

		Statistic	Std. Error	
IV	Mean	216.3086	24.37723	
	95% Confidence Interval for Mean	Lower Bound	163.1952	
		Upper Bound	269.4221	
	5% Trimmed Mean	213.1853		
	Median	188.1533		
	Variance	7725.239		
	Std. Deviation	87.89334		
	Minimum	103.33		
	Maximum	385.50		
	Range	282.17		
	Interquartile Range	142.69		
	Skewness	.625	.616	
	Kurtosis	-.664	1.191	

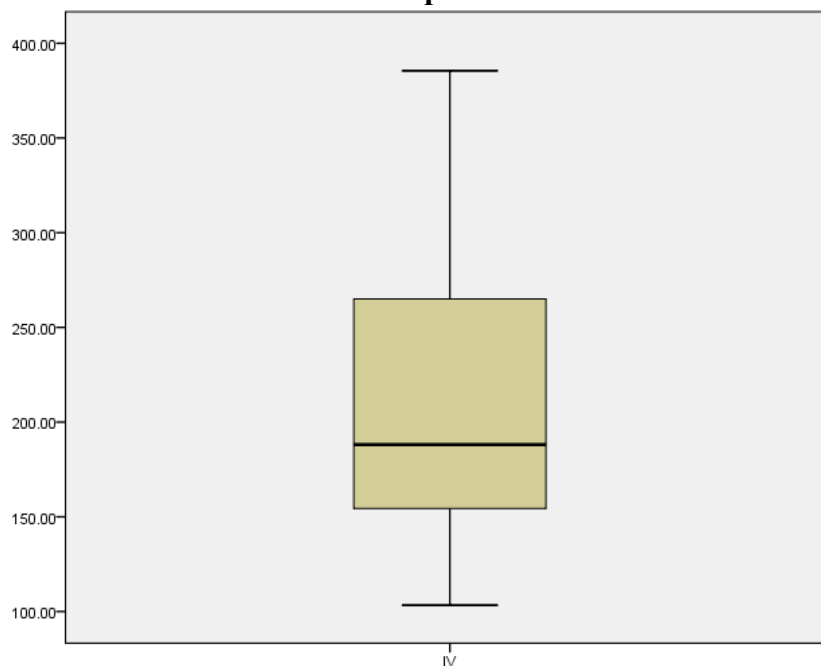
### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
IV	.164	13	.200*	.938	13	.434

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

a. Lilliefors Significance Correction

### Boxplot



## Densitas Hari V

### Descriptives

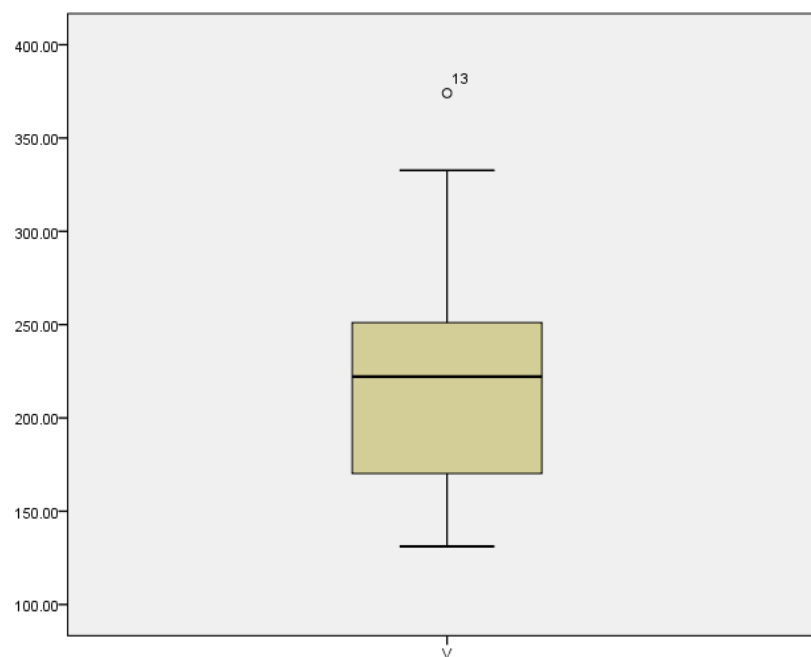
		Statistic	Std. Error	
V	Mean	223.6578	20.24404	
	95% Confidence Interval for Mean	Lower Bound	179.5499	
		Upper Bound	267.7658	
	5% Trimmed Mean	220.4441		
	Median	222.1254		
	Variance	5327.675		
	Std. Deviation	72.99092		
	Minimum	131.11		
	Maximum	374.05		
	Range	242.94		
	Interquartile Range	101.81		
	Skewness	.773	.616	
	Kurtosis	.000	1.191	

### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
V	.128	13	.200*	.939	13	.446

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

a. Lilliefors Significance Correction



Setelah Eliminasi Data

**Descriptives**

		Statistic	Std. Error	
V	Mean	211.1251	17.28310	
	95% Confidence Interval for Mean	Lower Bound	173.0852	
		Upper Bound	249.1649	
	5% Trimmed Mean	208.8193		
	Median	207.1738		
	Variance	3584.466		
	Std. Deviation	59.87041		
	Minimum	131.11		
	Maximum	332.64		
	Range	201.53		
	Interquartile Range	86.81		
	Skewness	.587	.637	
	Kurtosis	-.140	1.232	

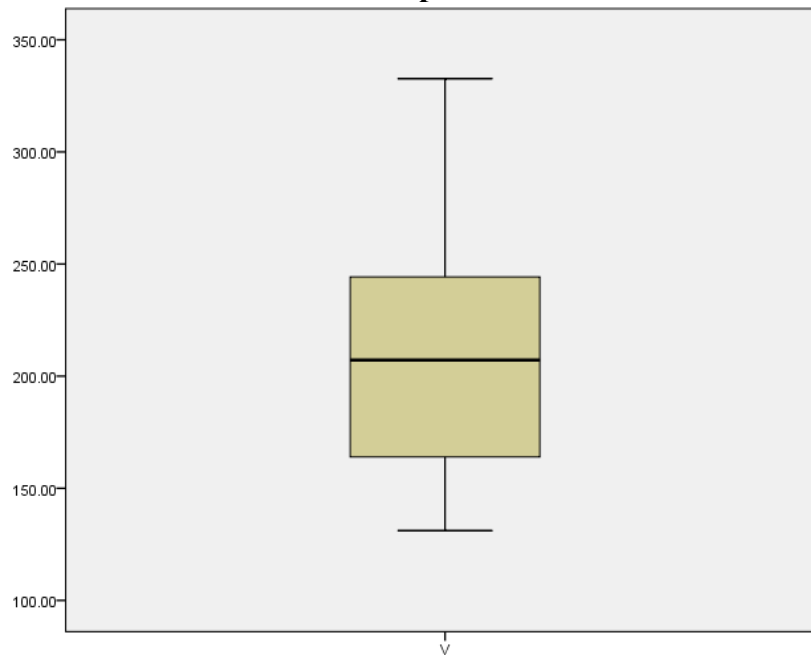
**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
V	.128	12	.200*	.958	12	.759

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

a. Lilliefors Significance Correction

**Boxplot**



## Densitas Hari VI

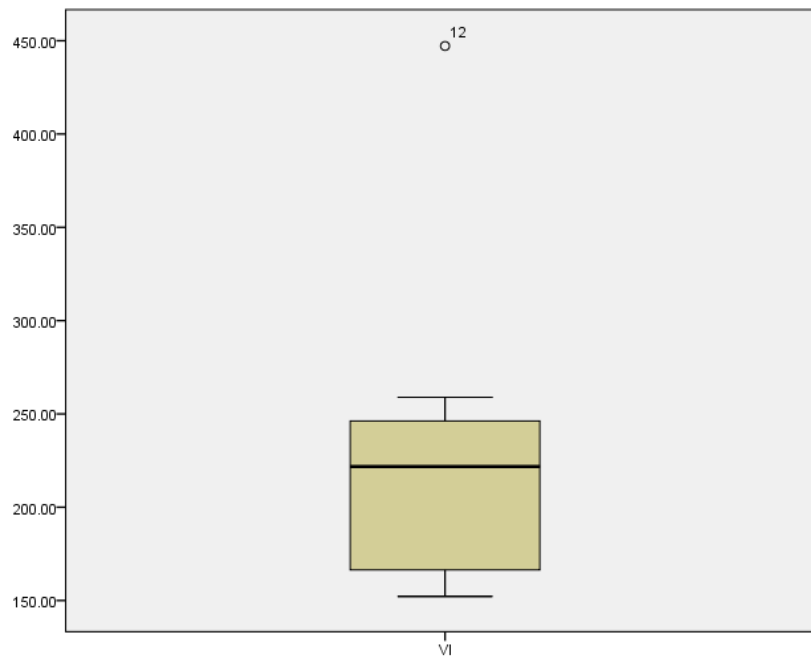
### Descriptives

		Statistic	Std. Error	
VI	Mean	226.0887	23.13874	
	95% Confidence Interval for Mean	Lower Bound	175.1607	
		Upper Bound	277.0167	
	5% Trimmed Mean	217.9082		
	Median	221.8022		
	Variance	6424.814		
	Std. Deviation	80.15494		
	Minimum	152.22		
	Maximum	447.20		
	Range	294.98		
	Interquartile Range	82.79		
	Skewness	2.043	.637	
	Kurtosis	5.403	1.232	

### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
VI	.258	12	.027	.769	12	.004

a. Lilliefors Significance Correction



Setelah Eliminasi Data

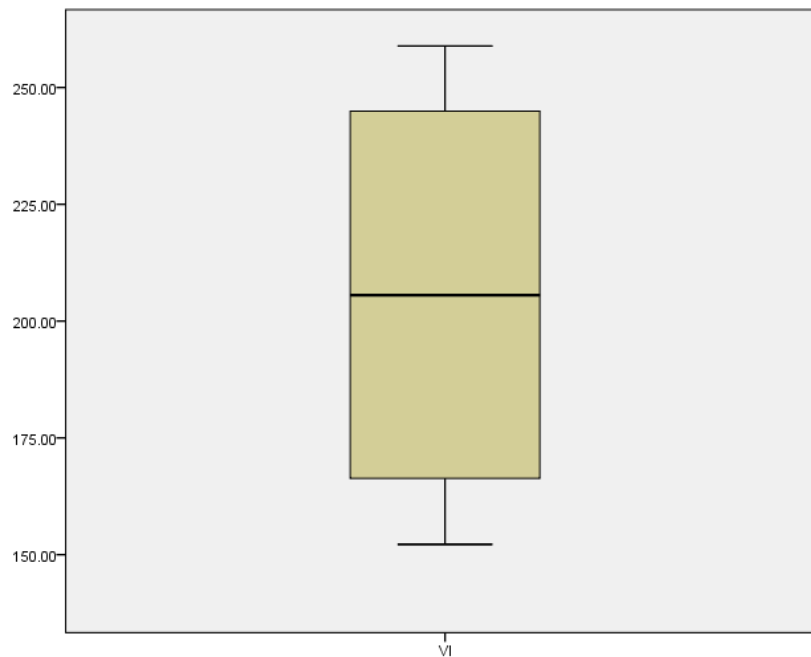
**Descriptives**

		Statistic	Std. Error	
VI	Mean	205.9872	12.55381	
	95% Confidence Interval for Mean	Lower Bound	178.0156	
		Upper Bound	233.9589	
	5% Trimmed Mean	206.0352		
	Median	205.5556		
	Variance	1733.579		
	Std. Deviation	41.63627		
	Minimum	152.22		
	Maximum	258.89		
	Range	106.67		
	Interquartile Range	84.44		
	Skewness	-.054	.661	
	Kurtosis	-2.030	1.279	

**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
VI	.234	11	.094	.859	11	.056

a. Lilliefors Significance Correction





## Densitas Hari VII

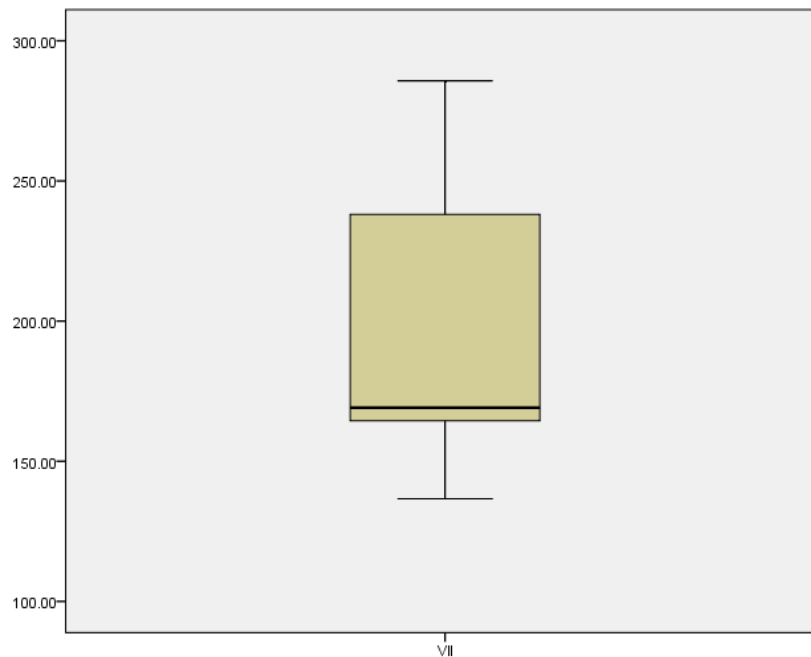
### Descriptives

		Statistic	Std. Error	
VII	Mean	196.6727	14.08658	
	95% Confidence Interval for Mean	Lower Bound	165.9807	
		Upper Bound	227.3647	
	5% Trimmed Mean	195.0608		
	Median	169.1176		
	Variance	2579.613		
	Std. Deviation	50.78989		
	Minimum	136.65		
	Maximum	285.71		
	Range	149.07		
	Interquartile Range	81.60		
	Skewness	.754	.616	
	Kurtosis	-.899	1.191	

### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
VII	.252	13	.023	.864	13	.044

a. Lilliefors Significance Correction



## Densitas Hari VIII

### Descriptives

		Statistic	Std. Error
VIII	Mean	217.0717	20.71469
	95% Confidence Interval for Mean	Lower Bound 171.4789 Upper Bound 262.6644	
	5% Trimmed Mean	217.8802	
	Median	207.6605	
	Variance	5149.179	
	Std. Deviation	71.75778	
	Minimum	85.56	
	Maximum	334.03	
	Range	248.48	
	Interquartile Range	104.22	
	Skewness	.105	.637
	Kurtosis	-.207	1.232

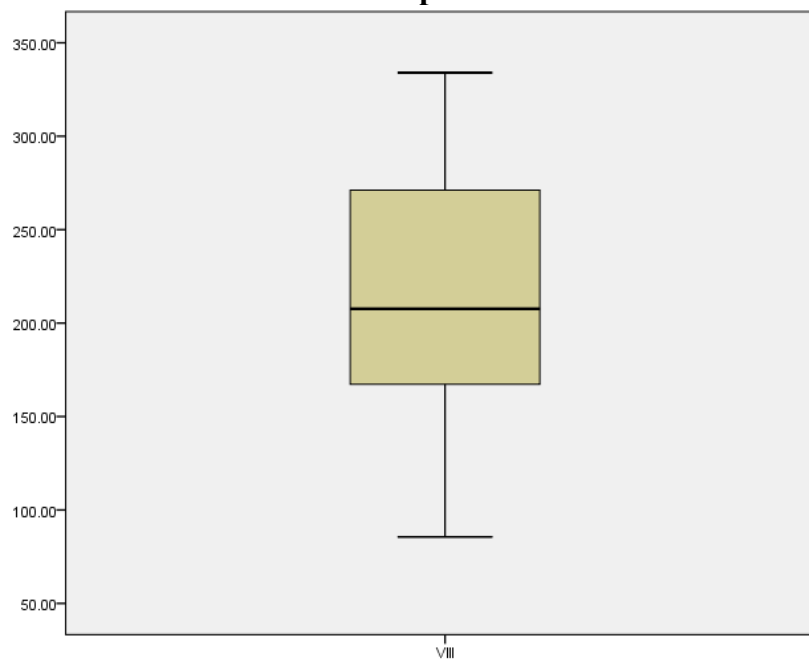
### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
VIII	.157	12	.200*	.956	12	.721

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

a. Lilliefors Significance Correction

### Boxplot



## Densitas Hari IX

### Descriptives

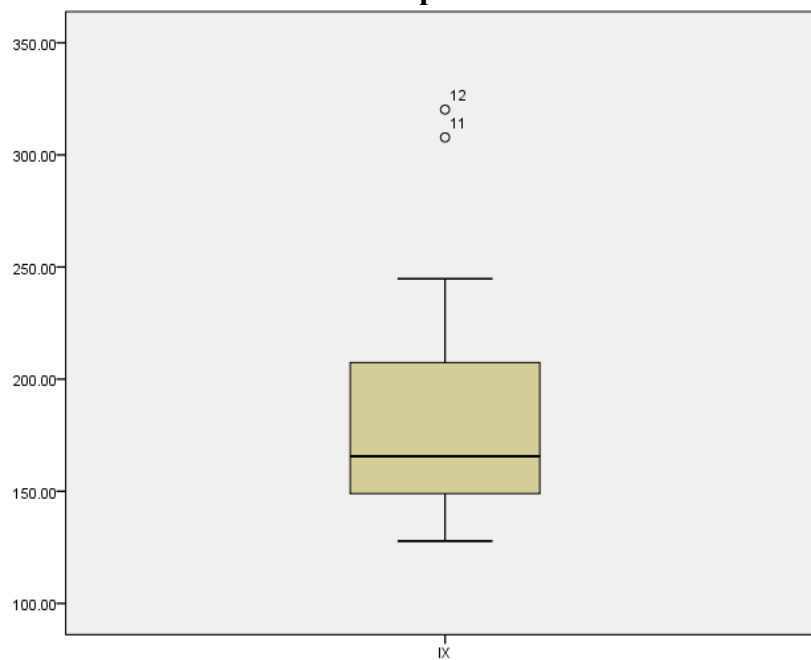
		Statistic	Std. Error	
IX	Mean	189.6447	18.64787	
	95% Confidence Interval for Mean	Lower Bound	148.6010	
		Upper Bound	230.6884	
	5% Trimmed Mean	185.8275		
	Median	165.6369		
	Variance	4172.919		
	Std. Deviation	64.59813		
	Minimum	127.78		
	Maximum	320.22		
	Range	192.44		
	Interquartile Range	77.98		
	Skewness	1.424	.637	
	Kurtosis	.676	1.232	

### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
IX	.369	12	.000	.754	12	.003

a. Lilliefors Significance Correction

### Boxplot



Setelah Eliminasi data

**Descriptives**

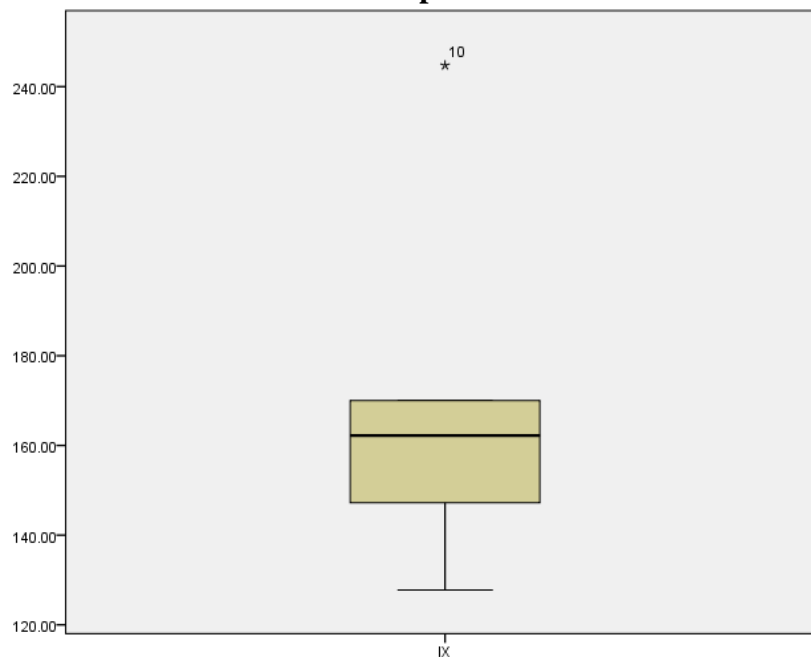
		Statistic	Std. Error	
IX	Mean	164.7717	9.83475	
	95% Confidence Interval for Mean	Lower Bound	142.5240	
		Upper Bound	187.0195	
	5% Trimmed Mean	162.3838		
	Median	162.2222		
	Variance	967.223		
	Std. Deviation	31.10021		
	Minimum	127.78		
	Maximum	244.75		
	Range	116.97		
	Interquartile Range	23.09		
	Skewness	2.061	.687	
	Kurtosis	5.703	1.334	

**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
IX	.333	10	.002	.773	10	.007

a. Lilliefors Significance Correction

**Boxplot**



### Descriptives

		Statistic	Std. Error	
IX	Mean	155.8855	4.71129	
	95% Confidence Interval for Mean	Lower Bound	145.0212	
		Upper Bound	166.7497	
	5% Trimmed Mean	156.6629		
	Median	160.0000		
	Variance	199.767		
	Std. Deviation	14.13388		
	Minimum	127.78		
	Maximum	170.00		
	Range	42.22		
	Interquartile Range	21.80		
	Skewness	-.930	.717	
	Kurtosis	.392	1.400	

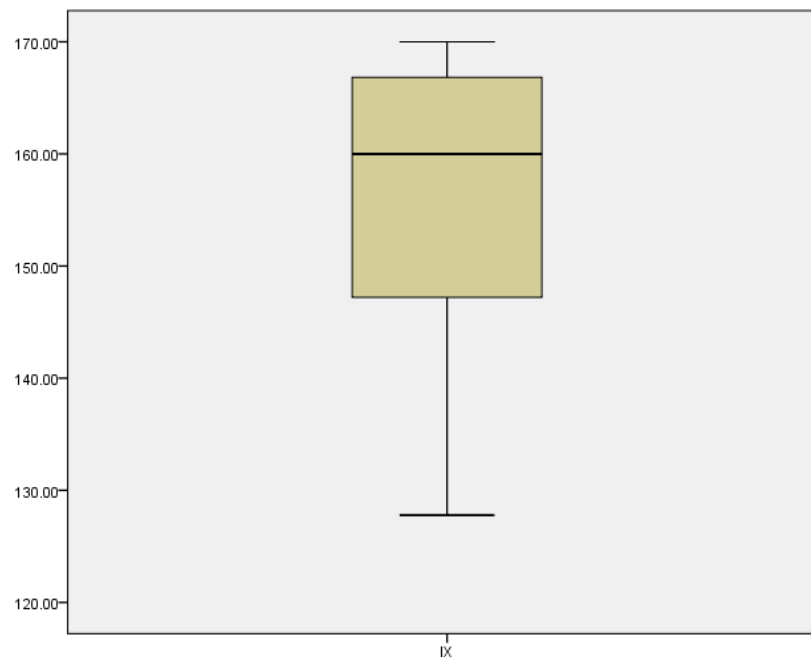
### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
IX	.172	9	.200*	.895	9	.227

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

a. Lilliefors Significance Correction

### Boxplot



## Densitas Hari X

### Descriptives

		Statistic	Std. Error	
X	Mean	196.1046	25.89528	
	95% Confidence Interval for Mean	Lower Bound	138.4063	
		Upper Bound	253.8029	
	5% Trimmed Mean	193.2362		
	Median	180.4878		
	Variance	7376.219		
	Std. Deviation	85.88492		
	Minimum	63.59		
	Maximum	380.25		
	Range	316.66		
	Interquartile Range	121.11		
	Skewness	.704	.661	
	Kurtosis	1.061	1.279	

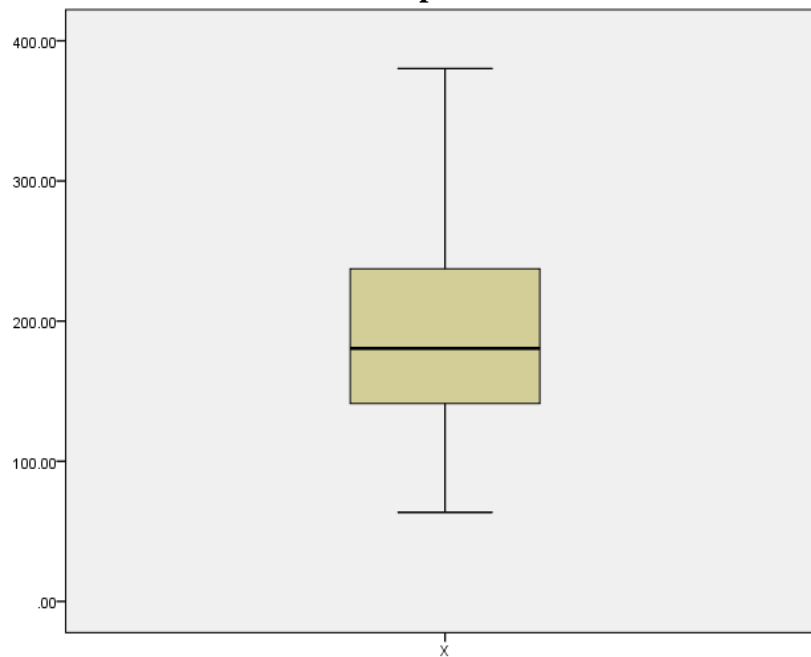
### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
X	.118	11	.200*	.967	11	.857

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

a. Lilliefors Significance Correction

### Boxplot



## Densitas Hari XI

### Descriptives

		Statistic	Std. Error	
XI	Mean	211.7267	24.30263	
	95% Confidence Interval for Mean	Lower Bound	158.7758	
		Upper Bound	264.6776	
	5% Trimmed Mean	205.8128		
	Median	199.4774		
	Variance	7678.033		
	Std. Deviation	87.62439		
	Minimum	114.44		
	Maximum	415.46		
	Range	301.01		
	Interquartile Range	116.10		
	Skewness	1.145	.616	
	Kurtosis	1.104	1.191	

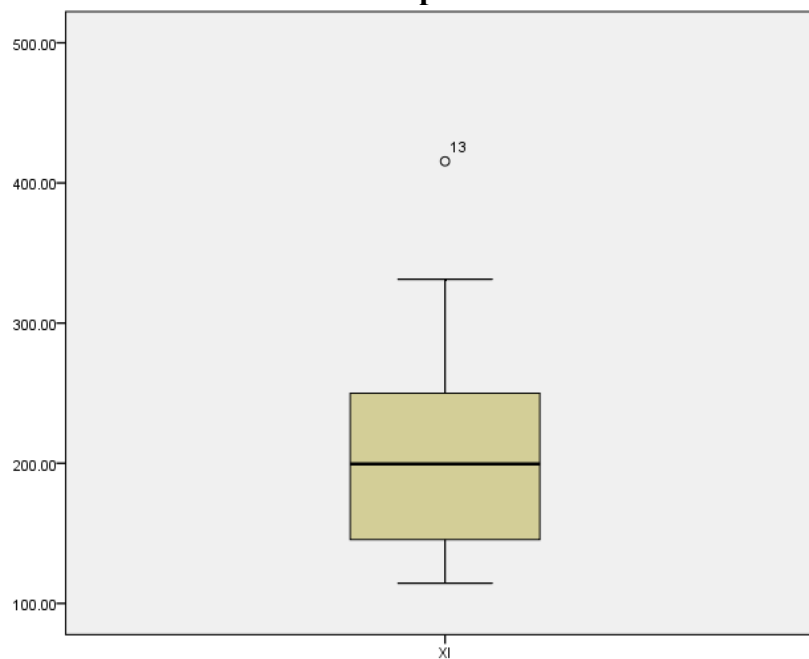
### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
XI	.151	13	.200*	.904	13	.154

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

a. Lilliefors Significance Correction

### Boxplot



Setelah Eliminasi data

### Descriptives

		Statistic	Std. Error	
XI	Mean	194.7490	18.90380	
	95% Confidence Interval for Mean	Lower Bound	153.1420	
		Upper Bound	236.3560	
	5% Trimmed Mean	191.6263		
	Median	189.4599		
	Variance	4288.243		
	Std. Deviation	65.48468		
	Minimum	114.44		
	Maximum	331.26		
	Range	216.82		
	Interquartile Range	103.12		
	Skewness	.709	.637	
Kurtosis	-.009	1.232		

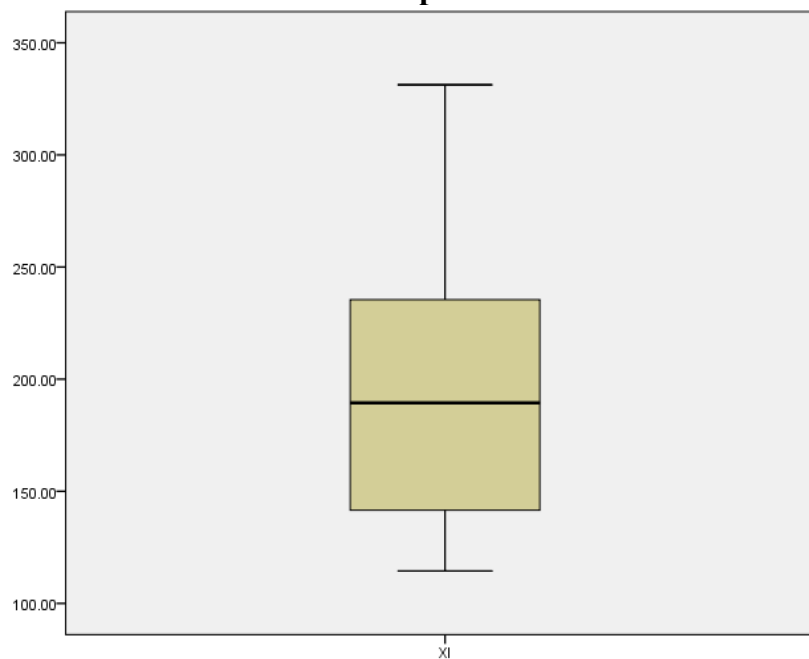
### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
XI	.159	12	.200*	.943	12	.535

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

a. Lilliefors Significance Correction

### Boxplot





## Densitas Hari XII

### Descriptives

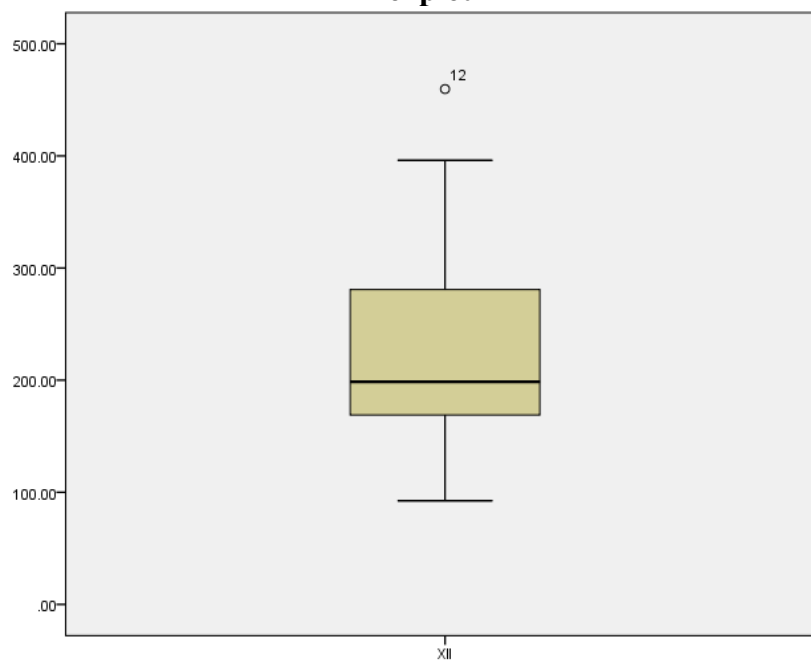
		Statistic	Std. Error	
XII	Mean	236.8309	30.34246	
	95% Confidence Interval for Mean	Lower Bound	170.0476	
		Upper Bound	303.6142	
	5% Trimmed Mean	232.4752		
	Median	198.4766		
	Variance	11047.980		
	Std. Deviation	105.10937		
	Minimum	92.44		
	Maximum	459.63		
	Range	367.19		
	Interquartile Range	115.46		
	Skewness	1.021	.637	
	Kurtosis	.671	1.232	

### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
XII	.204	12	.178	.907	12	.194

a. Lilliefors Significance Correction

### Boxplot



Setelah Eliminasi data

**Descriptives**

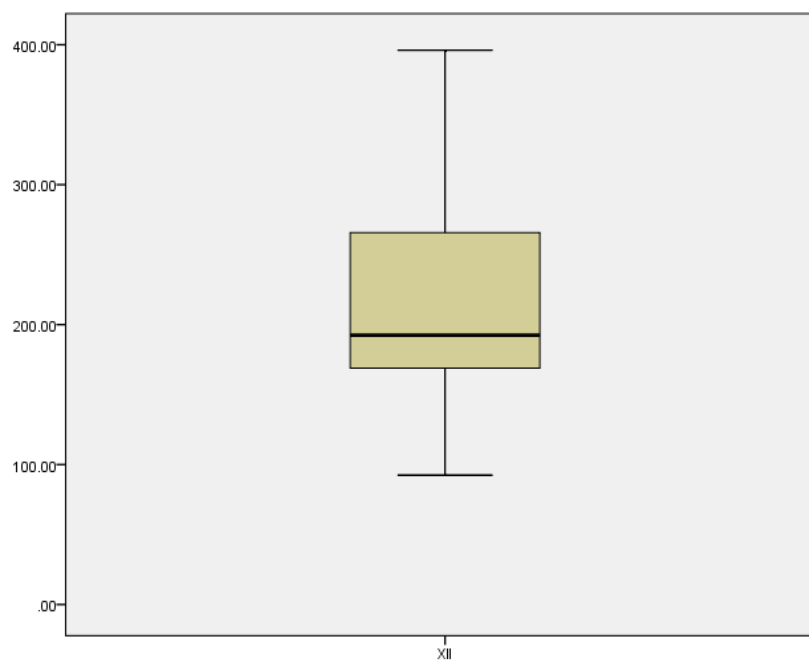
		Statistic	Std. Error
XII	Mean	216.5767	24.74910
	95% Confidence Interval for Mean	Lower Bound 161.4322 Upper Bound 271.7211	
	5% Trimmed Mean	213.5049	
	Median	192.5087	
	Variance	6737.696	
	Std. Deviation	82.08347	
	Minimum	92.44	
	Maximum	396.01	
	Range	303.57	
	Interquartile Range	106.89	
	Skewness	.883	.661
	Kurtosis	1.230	1.279

**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
XII	.195	11	.200*	.934	11	.454

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

a. Lilliefors Significance Correction



## Rata-rata densitas

### Descriptives

		Statistic	Std. Error	
Mean	Mean	204.7775	5.70384	
	95% Confidence Interval for Mean	Lower Bound	192.2234	
		Upper Bound	217.3316	
	5% Trimmed Mean	206.0872		
	Median	208.5600		
	Variance	390.405		
	Std. Deviation	19.75867		
	Minimum	155.89		
	Maximum	230.09		
	Range	74.20		
	Interquartile Range	21.86		
	Skewness	-1.297	.637	
	Kurtosis	2.570	1.232	

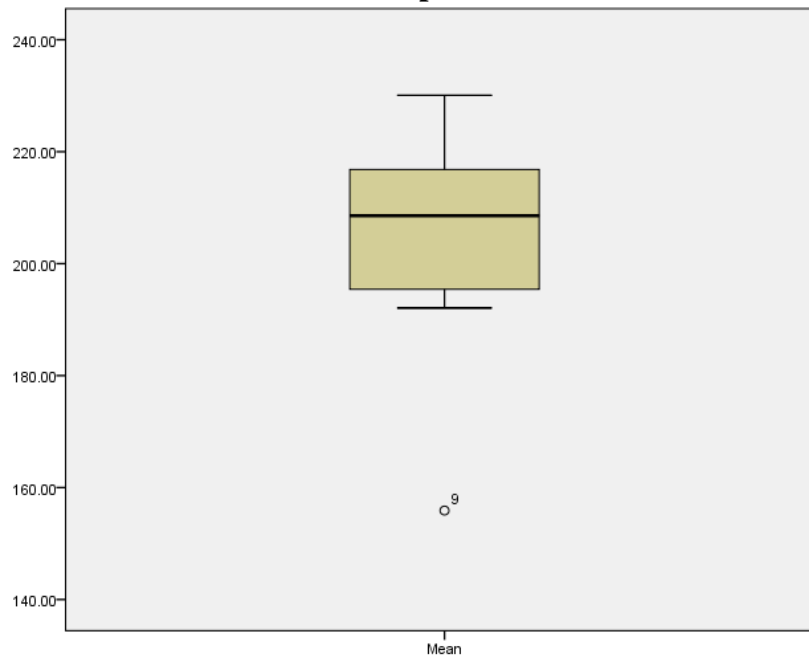
### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Mean	.177	12	.200*	.893	12	.128

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

a. Lilliefors Significance Correction

### Boxplot



Setelah Eliminasi Data  
**Descriptives**

		Statistic	Std. Error
Mean	Mean	209.2218	3.91640
	95% Confidence Interval for Mean	Lower Bound 200.4955 Upper Bound 217.9481	
	5% Trimmed Mean	209.0148	
	Median	211.1300	
	Variance	168.720	
	Std. Deviation	12.98922	
	Minimum	192.08	
	Maximum	230.09	
	Range	38.01	
	Interquartile Range	20.97	
	Skewness	.094	.661
	Kurtosis	-1.329	1.279

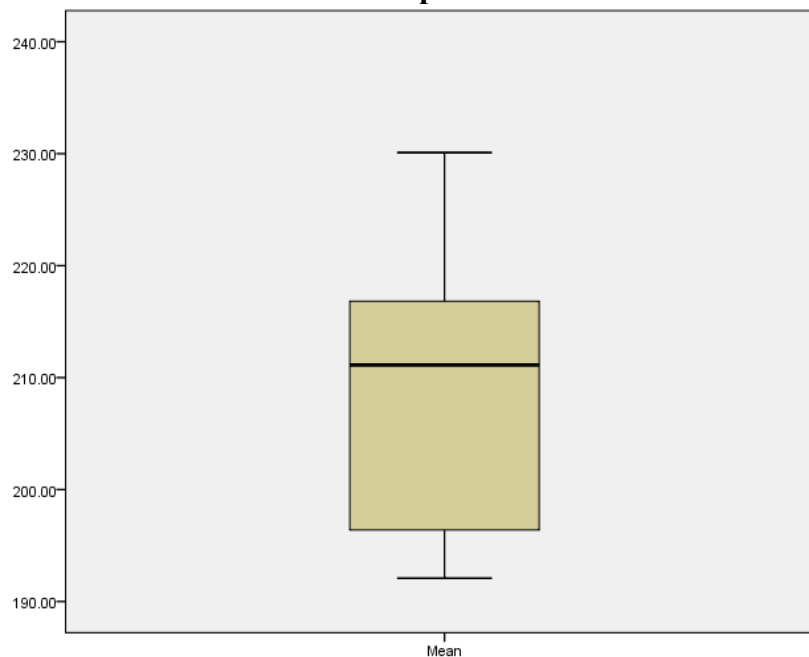
**Tests of Normality**

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Mean	.197	11	.200*	.926	11	.368

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

a. Lilliefors Significance Correction

**Boxplot**



#### Lampiran 4. Dokumentasi Kegiatan





