Pengujian Kenormalan data menggunakan Uji Kolmogorov-Smirnov

Hipotesis
H0 : Data Berdistribusi Normal
Ha : Data Tidak Berdistribusi Normal

Kriteria Pengujian
Tolak H0 jika Pvalue < α (0,05)

Kesimpulan
Berdasarkan hasil analisis diperoleh nilai Asymp. Sig. (2-tailed) atau Pvalue sebesar 0,000 < α (0,05) maka H0 ditolak yang berarti data tidak berdistribusi normal.

```
Warning # 849 in column 23.  Text: in_ID
The LOCALE subcommand of the SET command has an invalid parameter.  It could
not be mapped to a valid backend locale.
NPAR TESTS
  /K-S(NORMAL)=Usia
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		06-Agu-2018 19:15:15
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	168
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 /K-S(NORMAL)=Usia /MISSING ANALYSIS.
Resources	Processor Time	00 00:00:00,000
	Elapsed Time	00 00:00:00,094
	Number of Cases Allowed[a]	196608

a. Based on availability of workspace memory.

```
[DataSet0]
```

One-Sample Kolmogorov-Smirnov Test

		Usia
N		168
Normal Parameters[a,b]	Mean	52,80
	Std. Deviation	8,137
Most Extreme Differences	Absolute	,183
	Positive	,183
	Negative	-,169
Kolmogorov-Smirnov Z		2,371
Asymp. Sig. (2-tailed)		,000

a. Test distribution is Normal.

b. Calculated from data.

Notes

Output Created		06-Agu-2018 19:16:12
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	168
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 /PLOT NONE /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00 00:00:00,000
	Elapsed Time	00 00:00:00,000

```
EXAMINE VARIABLES=Usia
```

```
  /PLOT NPPLOT
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		06-Agu-2018 19:17:10
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	168
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 /PLOT NPPLOT /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00 00:00:02,171
	Elapsed Time	00 00:00:01,470

[DataSet0]

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Usia	168	100,0%	0	,0%	168	100,0%

Descriptives

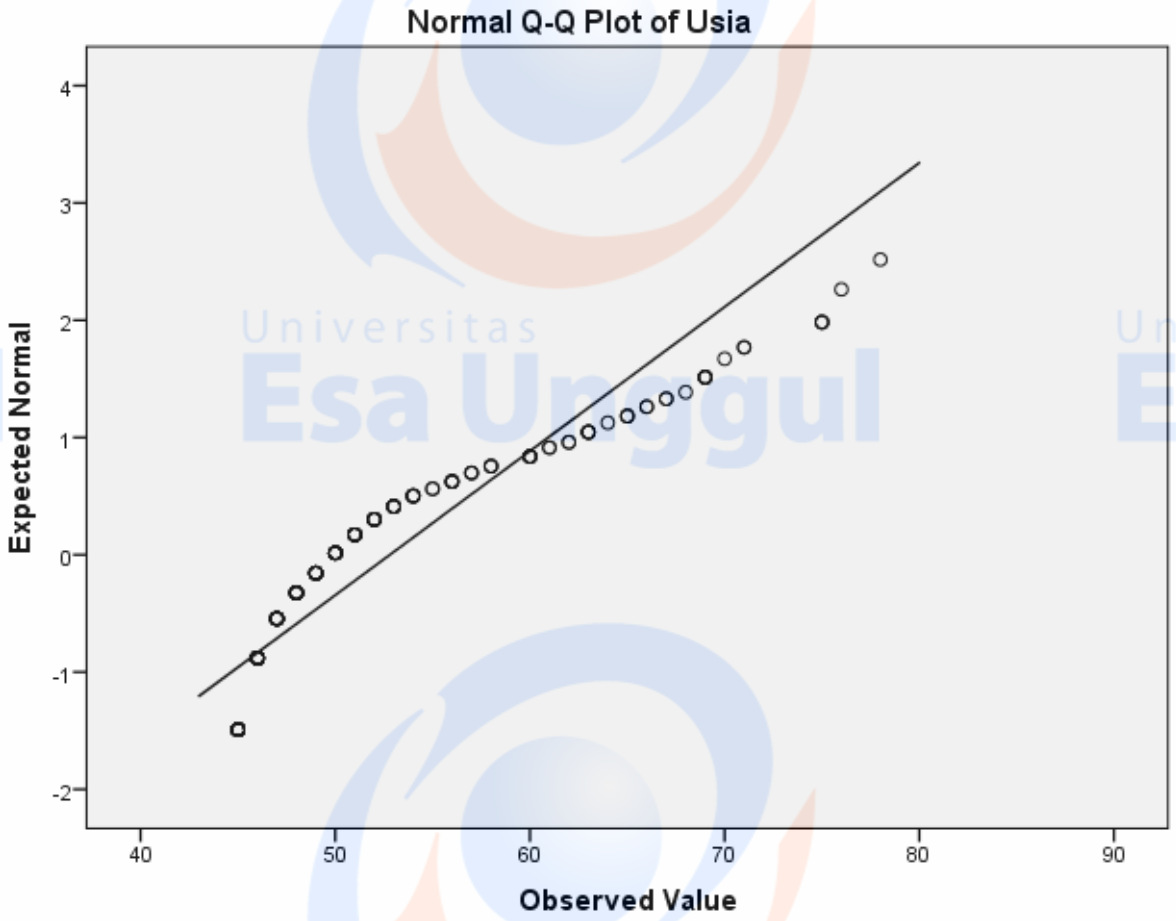
			Statistic	Std. Error
Usia	Mean		52,80	,628
	95% Confidence Interval for Mean	Lower Bound	51,56	
		Upper Bound	54,04	
	5% Trimmed Mean		52,08	
	Median		50,00	
	Variance		66,219	
	Std. Deviation		8,137	
	Minimum		45	
	Maximum		78	
	Range		33	
	Interquartile Range		10	
	Skewness		1,229	,187
	Kurtosis		,616	,373

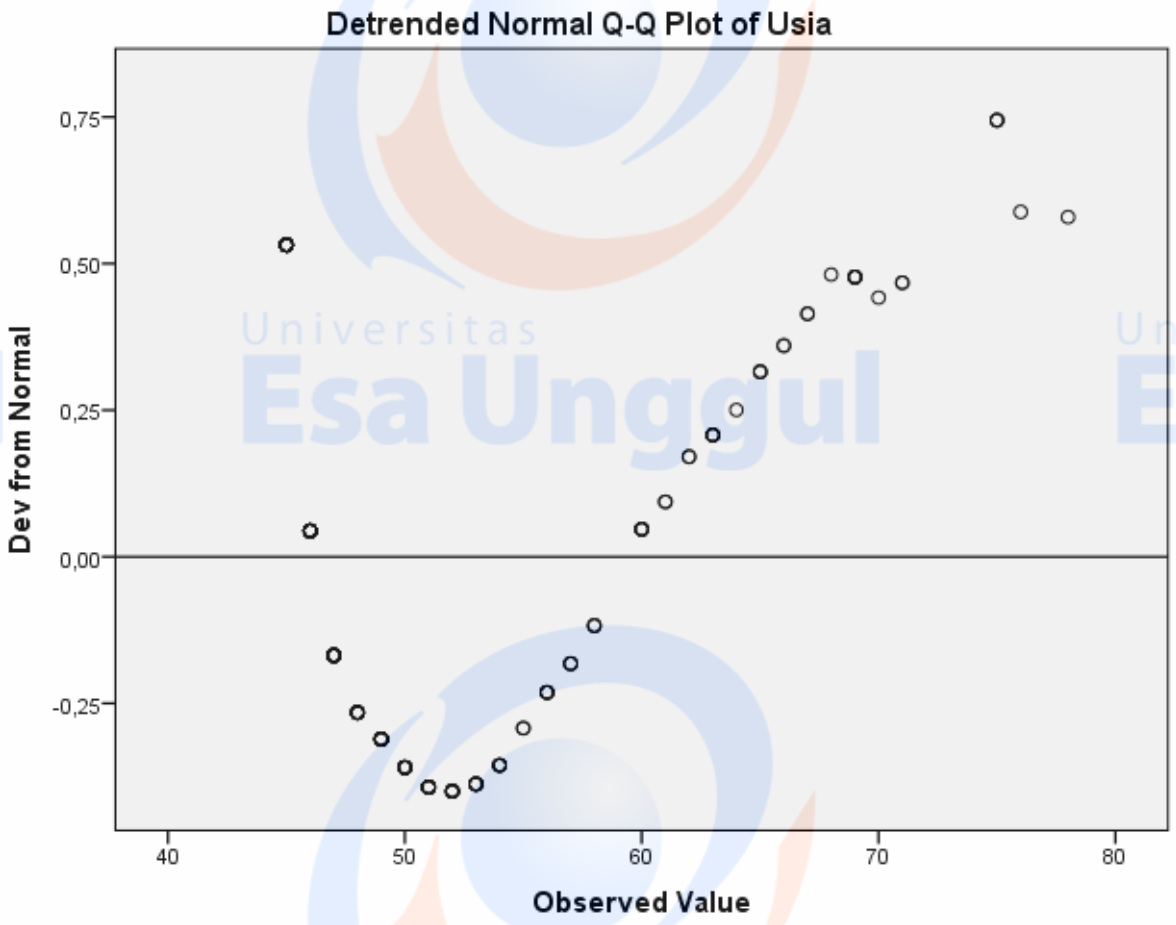
Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Usia	,183	168	,000	,841	168	,000

a. Lilliefors Significance Correction

Usia


Normal Q-Q Plot of Usia
Expected Normal
Observed Value
4
3
2
1
0
-1
-2
40
50
60
70
80
90




```
SAVE OUTFILE='D:\Proyek\Klien Irja\Kirim\datausia.sav'
  /COMPRESSED.
```

```
FREQUENCIES VARIABLES=DM_Tipe_2 Usia Jenis_Kelamin Riwayat_Keluarga Obesitas
Aktivitas_Fisik Kebiasaan_Merokok
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		07-AUG-2018 02:59:16
Comments		
Input	Data	C:\Users\ASUS\AppData\Local\Temp\Rar$DI00.390\Data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	168
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=DM_Tipe_2 Usia Jenis_Kelamin Riwayat_Keluarga Obesitas Aktivitas_Fisik Kebiasaan_Merokok /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,01

[DataSet2] C:\Users\ASUS\AppData\Local\Temp\Rar$DI00.390\Data.sav

Statistics

		DM_Tipe_2	Usia	Jenis_Kelamin	Riwayat_Keluarga	Obesitas
N	Valid	168	168	168	168	168
	Missing	0	0	0	0	0

Statistics

		Aktivitas_Fisik	Kebiasaan_Merokok
N	Valid	168	168
	Missing	0	0

Frequency Table

DM_Tipe_2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Case	56	33,3	33,3	33,3
	Control	112	66,7	66,7	100,0
	Total	168	100,0	100,0	

Usia

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	< 50 Tahun	132	78,6	78,6	78,6
	>= 50 Tahun	36	21,4	21,4	100,0
	Total	168	100,0	100,0	

Jenis_Kelamin

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Perempuan	93	55,4	55,4	55,4
	Laki-laki	75	44,6	44,6	100,0
	Total	168	100,0	100,0	

Riwayat_Keluarga

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ada	101	60,1	60,1	60,1
	Tidak Ada	67	39,9	39,9	100,0
	Total	168	100,0	100,0	

Obesitas

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Obesitas	81	48,2	48,2	48,2
	Normal	87	51,8	51,8	100,0
	Total	168	100,0	100,0	

Aktivitas_Fisik

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Kurang	16	9,5	9,5	9,5
	Cukup	152	90,5	90,5	100,0
	Total	168	100,0	100,0	

Kebiasaan_Merokok

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Berat	6	3,6	3,6	3,6
	Sedang	45	26,8	26,8	30,4
	Ringan	30	17,9	17,9	48,2
	Tidak Merokok	87	51,8	51,8	100,0
	Total	168	100,0	100,0	

```
CROSSTABS
  /TABLES=DM_Tipe_2 BY Usia Jenis_Kelamin Riwayat_Keluarga Obesitas
Aktivitas_Fisik Kebiasaan_Merokok
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ RISK
  /CELLS=COUNT EXPECTED ROW
```

```
  /COUNT ROUND CELL.
```

Crosstabs

Notes

Output Created		07-AUG-2018 02:59:59
Comments		
Input	Data	C:\Users\ASUS\AppData\Local\Temp\Rar$DI00.390\Data.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	168
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=DM_Tipe_2 BY Usia Jenis_Kelamin Riwayat_Keluarga Obesitas Aktivitas_Fisik Kebiasaan_Merokok /FORMAT=AVALUE TABLES /STATISTICS=CHISQ RISK /CELLS=COUNT EXPECTED ROW /COUNT ROUND CELL.
Resources	Processor Time	00:00:00,14
	Elapsed Time	00:00:00,27

Dimensions Requested	2
Cells Available	174762

[DataSet2] C:\Users\ASUS\AppData\Local\Temp\Rar$DI00.390\Data.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
DM_Tipe_2 * Usia	168	100,0%	0	0,0%	168	100,0%
DM_Tipe_2 * Jenis_Kelamin	168	100,0%	0	0,0%	168	100,0%
DM_Tipe_2 * Riwayat_Keluarga	168	100,0%	0	0,0%	168	100,0%
DM_Tipe_2 * Obesitas	168	100,0%	0	0,0%	168	100,0%
DM_Tipe_2 * Aktivitas_Fisik	168	100,0%	0	0,0%	168	100,0%
DM_Tipe_2 * Kebiasaan_Merokok	168	100,0%	0	0,0%	168	100,0%

DM_Tipe_2 * Usia

Crosstab

			Usia		Total
			< 50 Tahun	>= 50 Tahun	
DM_Tipe_2	Case	Count	44	12	56
		Expected Count	44,0	12,0	56,0
		% within DM_Tipe_2	78,6%	21,4%	100,0%
	Control	Count	88	24	112
		Expected Count	88,0	24,0	112,0
		% within DM_Tipe_2	78,6%	21,4%	100,0%
Total		Count	132	36	168
		Expected Count	132,0	36,0	168,0
		% within DM_Tipe_2	78,6%	21,4%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,000[a]	1	1,000		
Continuity Correction[b]	,000	1	1,000		
Likelihood Ratio	,000	1	1,000		
Fisher's Exact Test				1,000	,574
Linear-by-Linear Association	,000	1	1,000		
N of Valid Cases	168				

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 12,00.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for DM_Tipe_2 (Case / Control)	1,000	,458	2,185
For cohort Usia = < 50 Tahun	1,000	,846	1,182
For cohort Usia = >= 50 Tahun	1,000	,541	1,848
N of Valid Cases	168		

DM_Tipe_2 * Jenis_Kelamin

Crosstab

			Jenis_Kelamin		Total
			Perempuan	Laki-laki	
DM_Tipe_2	Case	Count	31	25	56
		Expected Count	31,0	25,0	56,0
		% within DM_Tipe_2	55,4%	44,6%	100,0%
	Control	Count	62	50	112
		Expected Count	62,0	50,0	112,0

	% within DM_Tipe_2	55,4%	44,6%	100,0%
	Count	93	75	168
Total	Expected Count	93,0	75,0	168,0
	% within DM_Tipe_2	55,4%	44,6%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,000[a]	1	1,000		
Continuity Correction[b]	,000	1	1,000		
Likelihood Ratio	,000	1	1,000		
Fisher's Exact Test				1,000	,565
Linear-by-Linear Association	,000	1	1,000		
N of Valid Cases	168				

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 25,00.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for DM_Tipe_2 (Case / Control)	1,000	,525	1,906
For cohort Jenis_Kelamin = Perempuan	1,000	,750	1,334
For cohort Jenis_Kelamin = Laki-laki	1,000	,700	1,429
N of Valid Cases	168		

DM_Tipe_2 * Riwayat_Keluarga

Crosstab

	Riwayat_Keluarga		Total
	Ada	Tidak Ada	

DM_Tipe_2	Case	Count	54	2	56
		Expected Count	33,7	22,3	56,0
		% within DM_Tipe_2	96,4%	3,6%	100,0%
	Control	Count	47	65	112
		Expected Count	67,3	44,7	112,0
		% within DM_Tipe_2	42,0%	58,0%	100,0%
Total		Count	101	67	168
		Expected Count	101,0	67,0	168,0
		% within DM_Tipe_2	60,1%	39,9%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	46,189[a]	1	,000		
Continuity Correction[b]	43,946	1	,000		
Likelihood Ratio	56,353	1	,000		
Fisher's Exact Test				,000	,000
Linear-by-Linear Association	45,915	1	,000		
N of Valid Cases	168				

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 22,33.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for DM_Tipe_2 (Case / Control)	37,340	8,669	160,847
For cohort Riwayat_Keluarga = Ada	2,298	1,838	2,874
For cohort Riwayat_Keluarga = Tidak Ada	,062	,016	,242
N of Valid Cases	168		

DM_Tipe_2 * Obesitas

Crosstab

			Obesitas		Total
			Obesitas	Normal	
DM_Tipe_2	Case	Count	29	27	56
		Expected Count	27,0	29,0	56,0
		% within DM_Tipe_2	51,8%	48,2%	100,0%
	Control	Count	52	60	112
		Expected Count	54,0	58,0	112,0
		% within DM_Tipe_2	46,4%	53,6%	100,0%
Total		Count	81	87	168
		Expected Count	81,0	87,0	168,0
		% within DM_Tipe_2	48,2%	51,8%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,429[a]	1	,512		
Continuity Correction[b]	,241	1	,623		
Likelihood Ratio	,429	1	,512		
Fisher's Exact Test				,518	,312
Linear-by-Linear Association	,427	1	,514		
N of Valid Cases	168				

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 27,00.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for DM_Tipe_2 (Case / Control)	1,239	,652	2,356
For cohort Obesitas = Obesitas	1,115	,809	1,539
For cohort Obesitas = Normal	,900	,653	1,241

N of Valid Cases	168			

DM_Tipe_2 * Aktivitas_Fisik

Crosstab

			Aktivitas_Fisik		Total
			Kurang	Cukup	
DM_Tipe_2	Case	Count	8	48	56
		Expected Count	5,3	50,7	56,0
		% within DM_Tipe_2	14,3%	85,7%	100,0%
	Control	Count	8	104	112
		Expected Count	10,7	101,3	112,0
		% within DM_Tipe_2	7,1%	92,9%	100,0%
Total		Count	16	152	168
		Expected Count	16,0	152,0	168,0
		% within DM_Tipe_2	9,5%	90,5%	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2,211[a]	1	,137		
Continuity Correction[b]	1,459	1	,227		
Likelihood Ratio	2,097	1	,148		
Fisher's Exact Test				,166	,115
Linear-by-Linear Association	2,197	1	,138		
N of Valid Cases	168				

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 5,33.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper

Odds Ratio for DM_Tipe_2 (Case / Control)	2,167	,767	6,117
For cohort Aktivitas_Fisik = Kurang	2,000	,792	5,049
For cohort Aktivitas_Fisik = Cukup	,923	,820	1,039
N of Valid Cases	168		

DM_Tipe_2 * Kebiasaan_Merokok

Crosstab

			Kebiasaan_Merokok			
			Berat	Sedang	Ringan	Tidak Merokok
DM_Tipe_2	Case	Count	2	13	12	29
		Expected Count	2,0	15,0	10,0	29,0
		% within DM_Tipe_2	3,6%	23,2%	21,4%	51,8%
	Control	Count	4	32	18	58
		Expected Count	4,0	30,0	20,0	58,0
		% within DM_Tipe_2	3,6%	28,6%	16,1%	51,8%
Total		Count	6	45	30	87
		Expected Count	6,0	45,0	30,0	87,0
		% within DM_Tipe_2	3,6%	26,8%	17,9%	51,8%

Crosstab

			Total
DM_Tipe_2	Case	Count	56
		Expected Count	56,0
		% within DM_Tipe_2	100,0%
	Control	Count	112
		Expected Count	112,0
		% within DM_Tipe_2	100,0%
Total		Count	168
		Expected Count	168,0
		% within DM_Tipe_2	100,0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	1,000[a]	3	,801
Likelihood Ratio	,993	3	,803
Linear-by-Linear Association	,119	1	,730
N of Valid Cases	168		

a. 2 cells (25,0%) have expected count less than 5. The minimum expected count is 2,00.

Risk Estimate

	Value
Odds Ratio for DM_Tipe_2 (Case / Control)	

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

PEMERINTAH KOTA TANGERANG SELATAN
RUMAH SAKIT UMUM
JL. Raya Pajajaran No. 101 Pamulang, Kota Tangerang Selatan
Telepon Pelayanan 021-74718440 (*Customer Service*)/ 021-7492398 (UGD),
Managemen Telepon/ Fax (021) 29872561

Pamulang, 20 Oktober 2017

Nomor : 423.4/4067/TU
Sifat : Penting
Lampiran :
Perihal : Izin Penelitian

Kepada :
Yth. Ketua Jurusan Kes. Masyarakat
Fakultas Ilmu-Ilmu Kesehatan
Universitas Esa Unggul Jakarta
di -
Tempat

Menindaklanjuti surat dari Ketua Jurusan Kesehatan Masyarakat Fakultas Ilmu-Ilmu Kesehatan Universitas Esa Unggul Jakarta Nomor : 037/FIKES/KESMAS/UEU/VI/2017 Tanggal 12 Oktober 2017, Perihal : Permohonan Izin Penelitian, maka bersama ini kami sampaikan bahwa pada prinsipnya kami memberikan ijin untuk penelitian kepada:

Nama : Irzhasari Ratu Islami
NPM : 2012-31-011
Jurusan : Magister Kesehatan Masyarakat
Judul Penelitian : "Faktor-faktor yang Mempengaruhi DM Tipe 2 Pada Lansia di RSU Kota Tangerang Selatan ".

Penelitian dilaksanakan sesuai dengan ketentuan yang berlaku di RSU Kota Tangerang Selatan serta hasil penelitian dipresentasikan dan diserahkan kepada pihak RSU Kota Tangerang Selatan.

Selanjutnya perlu kami sampaikan bahwa terhitung mulai tanggal 1 Januari 2017 setiap kegiatan penggunaan lahan praktek di RSU Kota Tangerang Selatan dikenakan biaya administrasi berdasarkan Peraturan Walikota Tangerang Selatan Nomor 51 Tahun 2015 tentang Tarif Pelayanan Kesehatan Badan Layanan Umum Daerah pada RSU Kota Tangerang Selatan.

Demikian disampaikan, atas perhatiannya diucapkan terima kasih.

DIREKTUR
RUMAH SAKIT UMUM
KOTA TANGERANG SELATAN,

dr. Suhara Manullang, M.Kes
Pembina Tk. I/IVb
NIP 19600721 198902 1001

DEWAN PENEGAKAN KODE ETIK UNIVERSITAS ESA UNGGUL
KOMISI ETIK PENELITIAN
Jl. Arjuna Utara No.9 Kebon Jeruk Jakarta Barat 11510
Telp. 021-5674223 email: dpke@esaunggul.ac.id

Nomor : 0159-18.144/DPKE-KEP/FINAL-EA/UEU/III/2018

KETERANGAN LOLOS KAJI ETIK
ETHICAL APPROVAL

Komisi Etik Penelitian Universitas Esa Unggul dalam upaya melindungi hak asasi dan kesejahteraan subyek penelitian kesehatan, telah mengkaji dengan teliti protokol berjudul:

FAKTOR-FAKTOR YANG BERHUBUNGAN DENGAN KEJADIAN DM TIPE 2 PADA LANSIA DI RSU KOTA TANGERANG SELATAN TAHUN 2018

Peneliti Utama : Irzhasari Ratu Islami

Pembimbing : Devi Angelina K., SKM., MPH

Nama Institusi : Universitas Esa Unggul

dan telah menyetujui protokol tersebut di atas.

Jakarta, 28 Maret 2018

Ketua

Universitas Esa Unggul
Dewan Penegakan Kode Etik

Dr. Rokiah Kusumapradja, SKM., MHA

* *Ethical approval* berlaku satu tahun dari tanggal persetujuan.
** Peneliti berkewajiban
1. Menjaga kerahasiaan identitas subyek penelitian
2. Memberitahukan status penelitian apabila:
   a. Setelah masa berlakunya keterangan lolos kaji etik, penelitian masih belum selesai, dalam hal ini *ethical approval* harus diperpanjang
   b. Penelitian berhenti di tengah jalan
3. Melaporkan kejadian serius yang tidak diinginkan (*serious adverse events*).
4. Peneliti tidak boleh melakukan tindakan apapun pada subyek sebelum penelitian lolos kaji etik dan *informed consent.*