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Lampiran 1. Rekomendasi Persetujuan Etik

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN
RSPTN UNIVERSITAS HASANUDDIN
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
Sekretariat : Lantai 2 Gedung Laboratorium Terpadu
JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM 10 MAKASSAR 90245
Contact Person: dr. Agussalim Bukhari ,MMed.PhD, SpGK. TELP. 081241850858, 0411 5780103 Fax : 0411 581431

REKOMENDASI PERSETUJUAN ETIK
Nomor : 880/UN4.6.4.5.31/ PP36/ 2023

Tanggal: 15 Nopember 2023

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

No Protokol	UH23100767	No Sponsor	
Peneliti Utama	**dr. Kharisma Andi Akhmad**	Sponsor	
Judul Peneliti	HUBUNGAN KADAR ZINK SERUM DARAH TALI PUSAT DENGAN STATUS PERTUMBUHAN INTRAUTERIN PADA BAYI CUKUP BULAN		
No Versi Protokol	2	Tanggal Versi	**14 Nopember 2023**
No Versi PSP	2	Tanggal Versi	**14 Nopember 2023**
Tempat Penelitian	RS Universitas Hasanuddin, RS Wahidin Sudirohusodo, RSIA Siti Khadijah I, RSIA St Fatimah dan RS Cahaya Medika Makassar		
Jenis Review	☐ Exempted ☐ Expedited ☒ Fullboard Tanggal **8 Nopember 2023**	Masa Berlaku **15 Nopember 2023** sampai **15 Nopember 2024**	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Nama **Prof. dr. Muh Nasrum Massi,PhD,SpMK, Subsp. Bakt(K)**	Tanda tangan	
Sekretaris KEP Universitas Hasanuddin	Nama **dr. Firdaus Hamid, PhD, SpMK(K)**	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 penelitian resiko rendah
- laporan akhir setelah Penelitian berakhir
- nyimpangan dari prokol yang disetujui (protocol deviation / violation)
- ua peraturan yang ditentukan

Lampiran 2. Izin Penelitian

PEMERINTAH PROVINSI SULAWESI SELATAN

DINAS PENANAMAN MODAL DAN PELAYANAN TERPADU SATU PINTU

Jl.Bougenville No.5 Telp. (0411) 441077 Fax. (0411) 448936
Website : http://simap-new.sulselprov.go.id Email : ptsp@sulselprov.go.id
Makassar 90231

Nomor	:	**30586/S.01/PTSP/2023**	**Kepada Yth.**
Lampiran	:	1 lembar	Terlampir
Perihal	:	**Izin penelitian**	

di-
Tempat

Berdasarkan surat Ketua Prog. Studi Ilmu Kesehatan Anak Fak. Kedokteran Univ. Hasanuddin Makassar Nomor : 27902/UN4.6.8/PT.01.04/2023 tanggal 28 November 2023 perihal tersebut diatas, mahasiswa/peneliti dibawah ini:

N a m a	:	**KHARISMA ANDI AKHMAD**
Nomor Pokok	:	C105181009
Program Studi	:	Ilmu Kesehatan Anak
Pekerjaan/Lembaga	:	Mahasiswa (S2)
Alamat	:	Jl. P. Kemerdekaan Km 10, Makassar

Bermaksud untuk melakukan penelitian di daerah/kantor saudara dalam rangka menyusun Tesis, dengan judul :

" HUBUNGAN KADAR ZINK SERUM DENGAN STATUS PERTUMBUHAN INTRAUTERIN PADA BAYI CUKUP BULAN "

Yang akan dilaksanakan dari : Tgl. ***02 Desember 2023 s/d 02 Januari 2024***

Sehubungan dengan hal tersebut diatas, pada prinsipnya kami ***menyetujui*** kegiatan dimaksud dengan ketentuan yang tertera di belakang surat izin penelitian.

Demikian Surat Keterangan ini diberikan agar dipergunakan sebagaimana mestinya.

Diterbitkan di Makassar
Pada Tanggal 02 Desember 2023

KEPALA DINAS PENANAMAN MODAL DAN PELAYANAN TERPADU SATU PINTU PROVINSI SULAWESI SELATAN

ASRUL SANI, S.H., M.Si.
Pangkat : PEMBINA TINGKAT I
Nip : 19750321 200312 1 008

g. Studi Ilmu Kesehatan Anak Fak. Kedokteran Univ. Hasanuddin Makassar di Makassar;

Nama	Jenis Kelamin	Status Pertumbuhan	Zinc	UG	Berat Lahir	VAR00001	VAR00002	VAR00003	VAR00004	VAR00005
Endah su	1	2	52.01	39	3300	1	1	1	1	1
Anita	1	2	55.18	39	3800	1	1	1	1	1
Mini Pur	2	2	50.13	39	3200	1	1	1	1	1
Arnita S	1	1	53.97	39	2300	1	1	1	1	1
Tri inda	1	2	51.57	40	2900	1	1	1	1	1
Hasniayu	1	2	53.68	39	2800	1	1	1	1	1
Natasyah	2	2	56.46	40	2800	1	1	1	1	1
Dewi Can	2	2	55.12	38	2700	1	1	1	1	1
Fatimah	1	2	53.9	38	2700	1	1	1	1	1
Serliyan	1	1	48.13	37	2100	2	2	2	2	2
Hardia	2	1	48.81	39	2420	2	2	2	2	2
parida	1	1	38.5	39	2460	2	2	2	2	2
nanni	2	1	44.66	38	2380	2	2	2	2	2
Yanti	2	2	54.46	39	2570	1	1	1	1	1
Irta mar	1	1	41.48	39	2410	2	2	2	2	2
Ratnawat	1	2	51.62	37	2390	1	1	1	1	1
Kartini	1	2	53.52	41	3800	1	1	1	1	1
Deliana	2	2	54.15	37	2700	1	1	1	1	1
Fitriani	2	2	55.2	39	2850	1	1	1	1	1
Sitti fa	1	1	47.88	38	2430	2	2	2	2	2
Ritayani	1	2	50.46	38	2700	1	1	1	1	1
Morlino	1	2	51.07	39	2890	1	1	1	1	1
Nurfitri	2	2	50.8	39	2900	1	1	1	1	1
Nur nila	2	2	56.49	38	3600	1	1	1	1	1
Mila Dg.	1	2	49	38	3000	2	2	2	2	2
Nurul Ba	1	1	47.27	39	2380	2	2	2	2	2
Sarinah	2	1	34.48	38	2350	2	2	2	2	2
Selista	1	2	49.55	38	2800	1	1	1	2	2
Rita Nov	1	1	48.52	38	2350	2	2	2	2	2
Larasati	2	1	45.36	39	2420	2	2	2	2	2
sabrina	1	1	45.41	39	2390	2	2	2	2	2
Mantang	2	1	45.54	39	2370	2	2	2	2	2
Rina	1	1	46.55	38	2350	2	2	2	2	2
Salmah	1	2	49.29	40	3300	2	2	2	2	2
Farida	1	1	43.14	38	2380	2	2	2	2	2
Ratna	1	2	53.7	39	2750	1	1	1	1	1
Sanaria	2	1	40.72	39	2450	2	2	2	2	2
Krisdaya	1	1	47.21	39	2470	2	2	2	2	2
Indah An	1	2	51.02	40	3000	1	1	1	1	1
Nur inda	2	2	53.74	40	3200	1	1	1	1	1
Hartika	1	2	54.04	38	2700	1	1	1	1	1
Nurhatim	1	2	52.99	39	3600	1	1	1	1	1
Kasmawat	2	2	39.11	40	2900	2	2	2	2	2
Reski Ha	1	2	50.86	39	3200	1	1	1	1	1
Ekawati	2	1	56.75	37	1950	1	1	1	1	1
Kiki	1	1	46.39	39	2410	2	2	2	2	2
	2	2	49.35	38	2600	1	2	2	2	2
	2	2	53.99	39	3900	1	1	1	1	1
	2	2	52.17	38	2850	1	1	1	1	1
	1	1	45.55	39	2430	2	2	2	2	2
	2	2	51.36	39	2900	1	1	1	1	1
	1	1	29.07	39	2370	2	2	2	2	2
	1	1	50.5	38	2100	1	1	1	1	1
	2	2	53	38	2800	1	1	1	1	1

Rahmawat	1	2	50.78	37	2950	1	1	1	1	1
Yuni Yun	2	1	46.53	41	2540	2	2	2	2	2
Senab La	1	1	53.42	40	2300	1	1	1	1	1
Mutasria	1	2	49.81	38	3100	1	1	1	1	1
Ira Magf	2	2	51.57	38	3400	1	1	1	1	1
Irmawati	1	2	56.12	39	3000	1	1	1	1	1
Indo Ang	1	1	45.14	38	2350	2	2	2	2	2
Munira	2	1	47.43	38	2380	2	2	2	2	2
Santrian	1	2	51.23	40	3600	1	1	1	1	1
Yusnandi	1	2	52.81	37	2800	1	1	1	1	1
Annisa R	2	2	53.37	40	3350	1	1	1	1	1
Nurlina	2	1	45.04	38	2370	2	2	2	2	2
Fiky Pri	2	2	52.87	37	3500	1	1	1	1	1
Kurnia	1	1	48.36	38	2310	2	2	2	2	2
Hasriyan	2	1	46.78	39	2410	2	2	2	2	2
Wardah	2	2	49.23	40	3400	2	2	2	2	2
Nurjanna	1	2	54.79	37	3150	1	1	1	1	1
Irmayati	1	1	48.66	39	2450	2	2	2	2	2
Sri Anit	2	1	45.67	38	2350	2	2	2	2	2
Halisah	1	1	47.78	40	2570	2	2	2	2	2
sa'intan	1	2	49.56	40	3350	1	1	1	1	2
Yulianti	1	1	49.15	42	2580	2	2	2	2	2
Nia Asta	2	1	49.31	40	2510	2	2	2	2	2
Nirwayan	1	2	64.44	38	2500	1	1	1	1	1
Lili War	1	1	49.05	38	2350	2	2	2	2	2
Nurmalas	2	2	54.05	40	3500	1	1	1	1	1
Herlina	1	2	54.16	40	2900	1	1	1	1	1
Hartini	1	2	54.38	37	3000	1	1	1	1	1
Ayu Sri	2	2	49.45	38	2600	1	1	2	2	2
Irdah Ni	2	2	50.04	40	3450	1	1	1	1	1
Mariana	1	2	50.39	39	3600	1	1	1	1	1
Siva Soa	1	2	51.94	38	3300	1	1	1	1	1
Ratih An	2	1	57.23	37	1900	1	1	1	1	1
Ismi Agu	1	2	54.91	40	2600	1	1	1	1	1
Risqah A	1	2	55.7	39	3300	1	1	1	1	1
Risma Ik	1	2	55.23	39	2950	1	1	1	1	1

Keterangan

Jenis Kelamin 1 = Laki -laki
2 = Perempuan

Status Pertumbuhan 1 = KMK
2 = SMK

VAR00001 1 = > 49.33
2 = < 49.33

VAR00002 1 = > 49.44
2 = < 49.44

VAR00003 1 = > 49.5
2 = < 49.5

VAR00004 1 = > 49.55
2 = < 49.55

VAR00005 1 = > 49.68
2 = < 49.68

```
CROSSTABS
  /TABLES=StatusPertumbuhanBY JenisKelamin
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ RISK
  /CELLS=COUNT COLUMN
  /COUNT ROUND CELL.
```

Crosstabs

Notes

Output Created		21-FEB-2024 10:57:53
Comments		
Input	Data	C:\Users\adi prakoso\Desktop\Hasil junior\data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
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=StatusPertumbuhan BY JenisKelamin /FORMAT=AVALUE TABLES /STATISTICS=CHISQ RISK /CELLS=COUNT COLUMN /COUNT ROUND CELL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.04
	Dimensions Requested	2
	Cells Available	131029

[DataSet1] C:\Users\adi prakoso\Desktop\Hasil junior\data.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
StatusPertumbuhan * Jenis Kelamin	90	100.0%	0	0.0%	90	100.0%

StatusPertumbuhan * Jenis Kelamin Crosstabulation

			Jenis Kelamin		
			Laki-laki	Perempuan	Total
StatusPertumbuhan	KMK	Count	21	15	36
		% within Jenis Kelamin	37.5%	44.1%	40.0%
	SMK	Count	35	19	54
		% within Jenis Kelamin	62.5%	55.9%	60.0%
Total		Count	56	34	90
		% within Jenis Kelamin	100.0%	100.0%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.386[a]	1	.534		
Continuity Correction[b]	.160	1	.690		
Likelihood Ratio	.385	1	.535		
Fisher's Exact Test				.658	.344
Linear-by-Linear Association	.382	1	.537		
N of Valid Cases	90				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 13.60.

or a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for StatusPertumbuhan (KMK / SMK)	.760	.319	1.808
For cohort Jenis Kelamin = Laki-laki	.900	.641	1.263
For cohort Jenis Kelamin = Perempuan	1.184	.697	2.011
N of Valid Cases	90		

```
EXAMINE VARIABLES=UG BeratLahir BY StatusPertumbuhan
  /PLOT BOXPLOT NPPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		21-FEB-2024 11:01:16
Comments		
Input	Data	C:\Users\adi prakoso\Desktop\Hasil junior\data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
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=UG BeratLahir BY StatusPertumbuhan /PLOT BOXPLOT NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE...
Resources	Processor Time	00:00:02.91
	Elapsed Time	00:00:02.82

StatusPertumbuhan

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	StatusPertumbuhan	N	Percent	N	Percent	N	Percent
UG	KMK	36	100.0%	0	0.0%	36	100.0%
	SMK	54	100.0%	0	0.0%	54	100.0%
		36	100.0%	0	0.0%	36	100.0%
		54	100.0%	0	0.0%	54	100.0%

Descriptives

StatusPertumbuhan				Statistic	Std. Error
UG	KMK	Mean		38.6944	.17284
		95% Confidence Interval for Mean	Lower Bound	38.3436	
			Upper Bound	39.0453	
		5% Trimmed Mean		38.6296	
		Median		39.0000	
		Variance		1.075	
		Std. Deviation		1.03701	
		Minimum		37.00	
		Maximum		42.00	
		Range		5.00	
		Interquartile Range		1.00	
		Skewness		.991	.393
		Kurtosis		2.129	.768
	SMK	Mean		38.7593	.14220
		95% Confidence Interval for Mean	Lower Bound	38.4740	
			Upper Bound	39.0445	
		5% Trimmed Mean		38.7675	
		Median		39.0000	
		Variance		1.092	
		Std. Deviation		1.04494	
		Minimum		37.00	
		Maximum		41.00	
		Range		4.00	
		Interquartile Range		2.00	
		Skewness		-.111	.325
		Kurtosis		-.865	.639
BeratLahir	KMK	Mean		2362.222	24.20190
		95% Confidence Interval for Mean	Lower Bound	2313.090	
			Upper Bound	2411.355	
		5% Trimmed Mean		2374.815	
		Median		2380.000	
		Variance		21086.35	
		Std. Deviation		145.2114	
		Minimum		1900.00	
		Maximum		2580.00	
		Range		680.00	
		Interquartile Range		80.00	
		Skewness		-1.704	.393
		Kurtosis		3.593	.768

Descriptives

StatusPertumbuhan			Statistic	Std. Error
SMK	Mean		3062.963	50.18319
	95% Confidence Interval for Mean	Lower Bound	2962.308	
		Upper Bound	3163.618	
	5% Trimmed Mean		3052.490	
	Median		2975.000	
	Variance		135991.1	
	Std. Deviation		368.7697	
	Minimum		2390.00	
	Maximum		3900.00	
	Range		1510.00	
	Interquartile Range		550.00	
	Skewness		.432	.325
	Kurtosis		-.671	.639

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	StatusPertumbuhan	Statistic	df	Sig.	Statistic	df	Sig.
UG	KMK	.245	36	.000	.864	36	.000
	SMK	.184	54	.000	.899	54	.000
BeratLahir	KMK	.272	36	.000	.812	36	.000
	SMK	.142	54	.008	.960	54	.066

a. Lilliefors Significance Correction

```
NPAR TESTS
  /M-W= UG BeratLahir BY StatusPertumbuhan(1 2)
  /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		21-FEB-2024 11:05:06
Comments		
Input	Data	C:\Users\adi prakoso\Desktop\Hasil junior\data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
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= UG BeratLahir BY StatusPertumbuhan(1 2) /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01
	Number of Cases Allowed[a]	98304

a. Based on availability of workspace memory.

Mann-Whitney Test

Ranks

	StatusPertumbuhan	N	Mean Rank	Sum of Ranks
UG	KMK	36	43.56	1568.00
	SMK	54	46.80	2527.00
	Total	90		
BeratLahir	KMK	36	19.08	687.00
	SMK	54	63.11	3408.00
	Total	90		

Test Statistics[a]

	UG	BeratLahir
Mann-Whitney U	902.000	21.000
Wilcoxon W	1568.000	687.000
Z	-.602	-7.838
Asymp. Sig. (2-tailed)	.547	.000

a. Grouping Variable: StatusPertumbuhan

```
EXAMINE VARIABLES=Zinc BY StatusPertumbuhan
  /PLOT BOXPLOT NPPLOT
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		21-FEB-2024 11:12:59
Comments		
Input	Data	C:\Users\adi prakoso\Desktop\Hasil junior\data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
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=Zinc BY StatusPertumbuhan /PLOT BOXPLOT NPPLOT /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:01.36
	Elapsed Time	00:00:01.42

StatusPertumbuhan

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	StatusPertumbuhan	N	Percent	N	Percent	N	Percent
Zinc	KMK	36	100.0%	0	0.0%	36	100.0%
	SMK	54	100.0%	0	0.0%	54	100.0%

Descriptives

	StatusPertumbuhan			Statistic	Std. Error
Zinc	KMK	Mean		46.5400	.88263
		95% Confidence Interval for Mean	Lower Bound	44.7482	
			Upper Bound	48.3318	
		5% Trimmed Mean		46.7949	
		Median		46.9950	
		Variance		28.046	
		Std. Deviation		5.29581	
		Minimum		29.07	
		Maximum		57.23	
		Range		28.16	
		Interquartile Range		3.58	
		Skewness		-.979	.393
		Kurtosis		3.199	.768
	SMK	Mean		52.5152	.44294
		95% Confidence Interval for Mean	Lower Bound	51.6268	
			Upper Bound	53.4036	
		5% Trimmed Mean		52.5267	
		Median		52.8400	
		Variance		10.595	
		Std. Deviation		3.25495	
		Minimum		39.11	
		Maximum		64.44	
		Range		25.33	
		Interquartile Range		3.51	
		Skewness		-.389	.325
		Kurtosis		7.087	.639

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	StatusPertumbuhan	Statistic	df	Sig.	Statistic	df	Sig.
Zinc	KMK	.195	36	.001	.897	36	.003
	SMK	.122	54	.045	.865	54	.000

a. Lilliefors Significance Correction

```
Y StatusPertumbuhan(1 2)
```

```
/MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		21-FEB-2024 11:17:36
Comments		
Input	Data	C:\Users\adi prakoso\Desktop\Hasil junior\data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
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= Zinc BY StatusPertumbuhan(1 2) /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.04
	Number of Cases Allowed[a]	112347

a. Based on availability of workspace memory.

Mann-Whitney Test

Ranks

	StatusPertumbuhan	N	Mean Rank	Sum of Ranks
Zinc	KMK	36	24.58	885.00
	SMK	54	59.44	3210.00
		90		

Test Statistics[a]

	Zinc
Mann-Whitney U	219.000
Wilcoxon W	885.000
Z	-6.202
Asymp. Sig. (2-tailed)	.000

a. Grouping Variable: StatusPertumbuhan

```
ROC Zinc BY StatusPertumbuhan(2)
  /PLOT=CURVE(REFERENCE)
  /PRINT=SE COORDINATES
  /CRITERIA=CUTOFF(INCLUDE) TESTPOS(LARGE) DISTRIBUTION(FREE) CI(95)
  /MISSING=EXCLUDE.
```

ROC Curve

Notes

Output Created		21-FEB-2024 11:20:42
Comments		
Input	Data	C:\Users\adi prakoso\Desktop\Hasil junior\data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
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 for all variables in the analysis.

Notes

Syntax		ROC Zinc BY StatusPertumbuhan (2) /PLOT=CURVE (REFERENCE) /PRINT=SE COORDINATES /CRITERIA=CUTOFF (INCLUDE) TESTPOS (LARGE) DISTRIBUTION (FREE) CI(95) /MISSING=EXCLUDE.
Resources	Processor Time	00:00:00.31
	Elapsed Time	00:00:00.34

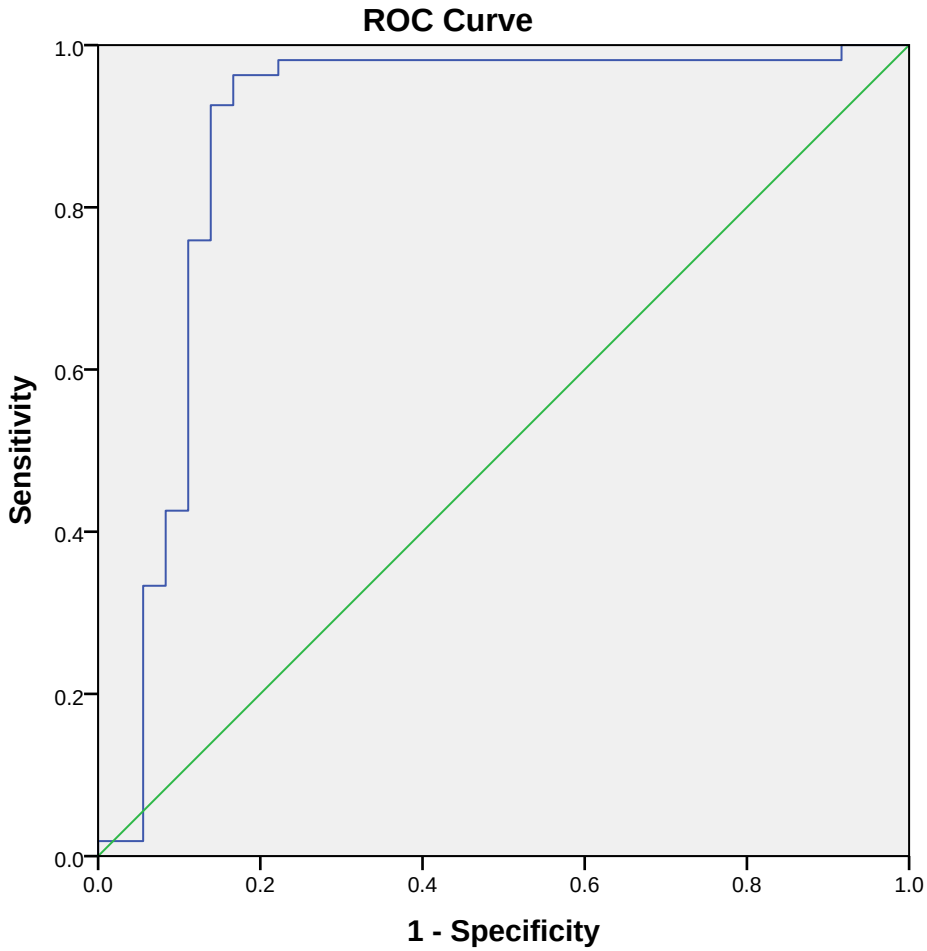
Case Processing Summary

StatusPertumbuhan[a]	Valid N (listwise)
Positive[b]	54
Negative	36

Larger values of the test result variable(s) indicate stronger evidence for a positive actual state.

a. The test result variable(s): Zinc has at least one tie between the positive actual state group and the negative actual state group.

b. The positive actual state is SMK.



Area Under the Curve

Test Result Variable(s): Zinc

Area	Std. Error[a]	Asymptotic Sig.[b]	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
.887	.045	.000	.798	.976

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

Coordinates of the Curve

Test Result Variable(s): Zinc

Positive if Greater Than or Equal To[a]	Sensitivity	1 - Specificity
28.0700	1.000	1.000
31.7750	1.000	.972
36.4900	1.000	.944
38.8050	1.000	.917
39.9150	.981	.917
41.1000	.981	.889
42.3100	.981	.861
43.9000	.981	.833
44.8500	.981	.806
45.0900	.981	.778
45.2500	.981	.750
45.3850	.981	.722
45.4750	.981	.694
45.5450	.981	.667
45.6100	.981	.639
46.0300	.981	.611
46.4600	.981	.583
46.5400	.981	.556
46.6650	.981	.528
46.9950	.981	.500
47.2400	.981	.472
47.3500	.981	.444
47.6050	.981	.417
47.8300	.981	.389
48.0050	.981	.361
48.2450	.981	.333
48.4400	.981	.306
48.5900	.981	.278
48.7350	.981	.250
48.9050	.981	.222
49.0250	.963	.222
49.1000	.963	.194
49.1900	.963	.167
49.2600	.944	.167
49.3000	.926	.167
49.3300	.926	.139
	.907	.139
	.889	.139
	.870	.139
	.852	.139

Coordinates of the Curve

Test Result Variable(s): Zinc

Positive if Greater Than or Equal To[a]	Sensitivity	1 - Specificity
49.9250	.833	.139
50.0850	.815	.139
50.2600	.796	.139
50.4250	.778	.139
50.4800	.759	.139
50.6400	.759	.111
50.7900	.741	.111
50.8300	.722	.111
50.9400	.704	.111
51.0450	.685	.111
51.1500	.667	.111
51.2950	.648	.111
51.4650	.630	.111
51.5950	.593	.111
51.7800	.574	.111
51.9750	.556	.111
52.0900	.537	.111
52.4900	.519	.111
52.8400	.500	.111
52.9300	.481	.111
52.9950	.463	.111
53.1850	.444	.111
53.3950	.426	.111
53.4700	.426	.083
53.6000	.407	.083
53.6900	.389	.083
53.7200	.370	.083
53.8200	.352	.083
53.9350	.333	.083
53.9800	.333	.056
54.0150	.315	.056
54.0450	.296	.056
54.1000	.278	.056
54.1550	.259	.056
54.2700	.241	.056
54.4200	.222	.056
	.204	.056
	.185	.056
	.167	.056
	.148	.056

Coordinates of the Curve

Test Result Variable(s): Zinc

Positive if Greater Than or Equal To[a]	Sensitivity	1 - Specificity
55.1900	.130	.056
55.2150	.111	.056
55.4650	.093	.056
55.9100	.074	.056
56.2900	.056	.056
56.4750	.037	.056
56.6200	.019	.056
56.9900	.019	.028
60.8350	.019	.000
65.4400	.000	.000

a. The smallest cutoff value is the minimum observed test value minus 1, and the largest cutoff value is the maximum observed test value plus 1. All the other cutoff values are the averages of two consecutive ordered observed test values.

```
CROSSTABS
  /TABLES=StatusPertumbuhanBY VAR00001 VAR00002 VAR00003 VAR00004 VAR00005
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ RISK
  /CELLS=COUNT ROW COLUMN
  /COUNT ROUND CELL.
```

Crosstabs

Notes

Output Created		21-FEB-2024 11:58:05
Comments		
Input	Data	C:\Users\adi prakoso\Desktop\Hasil junior\data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
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=StatusPertumbuhan BY VAR00001 VAR00002 VAR00003 VAR00004 VAR00005 /FORMAT=AVALUE TABLES /STATISTICS=CHISQ RISK /CELLS=COUNT ROW COLUMN /COUNT ROUND CELL.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.04
	Dimensions Requested	2
	Cells Available	131029

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
StatusPertumbuhan * 49.33	90	100.0%	0	0.0%	90	100.0%
StatusPertumbuhan * 49.44	90	100.0%	0	0.0%	90	100.0%
StatusPertumbuhan * 49.5	90	100.0%	0	0.0%	90	100.0%
StatusPertumbuhan * 49.55	90	100.0%	0	0.0%	90	100.0%
StatusPertumbuhan * 49.68	90	100.0%	0	0.0%	90	100.0%

StatusPertumbuhan * 49.33

Crosstab

			49.33		
			> 49.33	<49.33	Total
StatusPertumbuhan	KMK	Count	5	31	36
		% within StatusPertumbuhan	13.9%	86.1%	100.0%
		% within 49.33	9.1%	88.6%	40.0%
	SMK	Count	50	4	54
		% within StatusPertumbuhan	92.6%	7.4%	100.0%
		% within 49.33	90.9%	11.4%	60.0%
Total		Count	55	35	90
		% within StatusPertumbuhan	61.1%	38.9%	100.0%
		% within 49.33	100.0%	100.0%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	56.299[a]	1	.000		
Continuity Correction[b]	53.036	1	.000		
Likelihood Ratio	62.755	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	55.673	1	.000		
N of Valid Cases	90				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 14.00.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for StatusPertumbuhan (KMK / SMK)	.013	.003	.052
For cohort 49.33 = > 49.33	.150	.066	.340
For cohort 49.33 = <49.33	11.625	4.487	30.121
N of Valid Cases	90		

StatusPertumbuhan * 49.44

Crosstab

			49.44		
			> 49.44	<49.44	Total
StatusPertumbuhan	KMK	Count	5	31	36
		% within StatusPertumbuhan	13.9%	86.1%	100.0%
		% within 49.44	9.3%	86.1%	40.0%
	SMK	Count	49	5	54
		% within StatusPertumbuhan	90.7%	9.3%	100.0%
		% within 49.44	90.7%	13.9%	60.0%
Total		Count	54	36	90
		% within StatusPertumbuhan	60.0%	40.0%	100.0%
		% within 49.44	100.0%	100.0%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	53.156[a]	1	.000		
Continuity Correction[b]	50.002	1	.000		
Likelihood Ratio	58.813	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	52.565	1	.000		
N of Valid Cases	90				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 14.40.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for StatusPertumbuhan (KMK / SMK)	.016	.004	.062
For cohort 49.44 = > 49.44	.153	.068	.347
For cohort 49.44 = <49.44	9.300	3.994	21.655
N of Valid Cases	90		

StatusPertumbuhan * 49.5

Crosstab

			49.5		
			> 49.5	<49.5	Total
StatusPertumbuhan	KMK	Count	5	31	36
		% within StatusPertumbuhan	13.9%	86.1%	100.0%
		% within 49.5	9.4%	83.8%	40.0%
	SMK	Count	48	6	54
		% within StatusPertumbuhan	88.9%	11.1%	100.0%
		% within 49.5	90.6%	16.2%	60.0%
Total		Count	53	37	90
		% within StatusPertumbuhan	58.9%	41.1%	100.0%
		% within 49.5	100.0%	100.0%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	50.186[a]	1	.000		
Continuity Correction[b]	47.136	1	.000		
Likelihood Ratio	55.221	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	49.629	1	.000		
N of Valid Cases	90				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 14.80.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for StatusPertumbuhan (KMK / SMK)	.020	.006	.072
For cohort 49.5 = > 49.5	.156	.069	.354
For cohort 49.5 = <49.5	7.750	3.604	16.667
N of Valid Cases	90		

StatusPertumbuhan * 49.55

Crosstab

			49.55		
			> 49.55	<49.55	Total
StatusPertumbuhan	KMK	Count	5	31	36
		% within StatusPertumbuhan	13.9%	86.1%	100.0%
		% within 49.55	9.6%	81.6%	40.0%
	SMK	Count	47	7	54
		% within StatusPertumbuhan	87.0%	13.0%	100.0%
		% within 49.55	90.4%	18.4%	60.0%
Total		Count	52	38	90
		% within StatusPertumbuhan	57.8%	42.2%	100.0%
		% within 49.55	100.0%	100.0%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	47.376[a]	1	.000		
Continuity Correction[b]	44.425	1	.000		
Likelihood Ratio	51.914	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	46.850	1	.000		
N of Valid Cases	90				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 15.20.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for StatusPertumbuhan (KMK / SMK)	.024	.007	.083
For cohort 49.55 = > 49.55	.160	.070	.362
For cohort 49.55 = <49.55	6.643	3.287	13.423
N of Valid Cases	90		

StatusPertumbuhan * 49.68

Crosstab

			49.68		
			> 49.68	<49.68	Total
StatusPertumbuhan	KMK	Count	5	31	36
		% within StatusPertumbuhan	13.9%	86.1%	100.0%
		% within 49.68	9.8%	79.5%	40.0%
	SMK	Count	46	8	54
		% within StatusPertumbuhan	85.2%	14.8%	100.0%
		% within 49.68	90.2%	20.5%	60.0%
Total		Count	51	39	90
		% within StatusPertumbuhan	56.7%	43.3%	100.0%
		% within 49.68	100.0%	100.0%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	44.713[a]	1	.000		
Continuity Correction[b]	41.857	1	.000		
Likelihood Ratio	48.846	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	44.217	1	.000		
N of Valid Cases	90				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 15.60.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for StatusPertumbuhan (KMK / SMK)	.028	.008	.094
For cohort 49.68 = > 49.68	.163	.072	.371
For cohort 49.68 = <49.68	5.813	3.026	11.166
N of Valid Cases	90		

```
CROSSTABS
  /TABLES=VAR00001 BY StatusPertumbuhan
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ RISK
  /CELLS=COUNT COLUMN
  /COUNT ROUND CELL.
```

Notes

Output Created		21-FEB-2024 12:10:56
Comments		
Input	Data	C:\Users\adi prakoso\Desktop\Hasil junior\data.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
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=VAR00001 BY StatusPertumbuhan /FORMAT=AVALUE TABLES /STATISTICS=CHISQ RISK /CELLS=COUNT COLUMN /COUNT ROUND CELL.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.06
	Dimensions Requested	2
	Cells Available	131029

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
49.33 * StatusPertumbuhan	90	100.0%	0	0.0%	90	100.0%

49.33 * StatusPertumbuhan Crosstabulation

			StatusPertumbuhan		
			KMK	SMK	Total
49.33	> 49.33	Count	5	50	55
		% within StatusPertumbuhan	13.9%	92.6%	61.1%
	<49.33	Count	31	4	35
		% within StatusPertumbuhan	86.1%	7.4%	38.9%
Total		Count	36	54	90
		% within StatusPertumbuhan	100.0%	100.0%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	56.299[a]	1	.000		
Continuity Correction[b]	53.036	1	.000		
Likelihood Ratio	62.755	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	55.673	1	.000		
N of Valid Cases	90				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 14.00.

b. Computed only for a 2x2 table

Risk Estimate

	Value	95% Confidence Interval	
		Lower	Upper
Odds Ratio for 49.33 (> 49.33 / <49.33)	.013	.003	.052
For cohort StatusPertumbuhan = KMK	.103	.044	.239
For cohort StatusPertumbuhan = SMK	7.955	3.151	20.082
N of Valid Cases	90		