

Attachment 1. Informed Consent

Agreement After Explanation (*Informed Consent*) :

I am Khairun Nisa Oktafiani, a researcher from from **Polytechnic of Health Ministry of Health Malang, Nursing Department**, hereby ask you to participate voluntarily in the research entitled “**The Relationship Between Diet and the Risk of Diabetes Mellitus in Children Grades 4-6 SDN Tasikmadu 1 Malang**” with several explanations as follows :

1. The aim of this study was to determine the relationship between dietary patterns and the risk of diabetes mellitus in elementary school children, using a data collection method/procedure using a questionnaire.
2. You are involved in this research because the researcher is interested in conducting research on elementary school children. Your participation in this research is voluntary.
3. If you do not agree with this method, you can choose another option: withdraw or opt out of participating in this research altogether. You will not be subject to any sanctions.
4. This research will last for 5 days with samples *non probability sampling*.
5. You will be given compensation in the form of a reward for lost time/other inconvenience by completing the questionnaire.
6. After completing the research, you will be given information about the general research results through a written report that will be submitted to the school.
7. You will receive information about your health condition during data/sample collection via a questionnaire.
8. You will receive information if a relationship is found between dietary patterns and the risk of Diabetes Mellitus in elementary school children during this study.
9. You will also be informed of other data related to your condition that may be found during the sampling/data collection process, except for the results of the data tabulation obtained by the researcher.
10. The sampling procedure is by distributing questionnaires, this method may take up a lot of your time to fill out the questionnaire due to participation in the research.
11. The benefit you will gain from your participation is knowing the eating patterns of elementary school children in grades 4-6.
12. The research was conducted with the hope that it would provide benefits for students in grades 4-6 and the school.

This research was not conducted online and did not use online or digital tools.

I hope you are willing to participate in this research, where you will complete a questionnaire related to the research. After reading the aims and objectives of the research above, I ask that you fill in your name and sign below.

I agree to participate in this research.

Name : _____

Signature : _____

Thank you for your willingness to participate in this research.

Witness

Yours faithfully,
Researcher

.....

Khairun Nisa Oktafiani

Attachment 2. Questionnaire (Research Instrument)

Diet Questionnaire

I. Respondent identity

Name :
 Class :
 Address :
 Age :
 Gender :

II. Nutritional status

Body weight : kg
 Body height : cm

Instructions : Put a cross (X) on the answer you think is correct.

III. Dietary habit

Breakfast Habits

1. Do you have breakfast before going to school?

a. Always	d. Rarely
b. Often	e. No
c. Sometimes	

2. How many times do you have breakfast in a week?

a. 6x/week (every day)	d. 1x/week
b. 4-5x/week	e. Never
c. 2-3x/week	

3. Do you feel happy when you eat?

a. Always	d. Rarely
b. Often	e. No
c. Sometimes	

Snacking Habits

4. Do you always buy snacks at school?

a. Always	(6x/week (every day))	d. Rarely (1x/week)
b. Often	(4-5x/week)	e. No
c. Sometimes	(2-3x/week)	

5. Do you always eat and drink sweet things?
- | | | |
|--------------|-----------------------|---------------------|
| a. Always | (6x/week (every day)) | d. Rarely (1x/week) |
| b. Often | (4-5x/week) | e. No |
| c. Sometimes | (2-3x/week) | |
6. Do you always eat salty food?
- | | | |
|--------------|-----------------------|---------------------|
| a. Always | (6x/week (every day)) | d. Rarely (1x/week) |
| b. Often | (4-5x/week) | e. No |
| c. Sometimes | (2-3x/week) | |
7. Do you always eat fatty/coconut milk/fried foods?
- | | | |
|--------------|-----------------------|---------------------|
| a. Always | (6x/week (every day)) | d. Rarely (1x/week) |
| b. Often | (4-5x/week) | e. No |
| c. Sometimes | (2-3x/week) | |

Fast Food Habits

8. Do you always eat fast food?
- | | | |
|--------------|-----------------------|---------------------|
| a. Always | (6x/week (every day)) | d. Rarely (1x/week) |
| b. Often | (4-5x/week) | e. No |
| c. Sometimes | (2-3x/week) | |

Nutritional Needs Fulfillment Pattern

9. Do you always eat in a day?
- | | | |
|--------------|-------------|--------------------|
| a. Always | (>3x a day) | d. Rarely (1x/day) |
| b. Often | (3x a day) | e. Irregular |
| c. Sometimes | (2x/ a day) | |
10. Do you always finish 1 portion of food when eating?
- | | | |
|--------------|-----------------------|---------------------|
| a. Always | (6x/week (every day)) | d. Rarely (1x/week) |
| b. Often | (4-5x/week) | e. No |
| c. Sometimes | (2-3x/week) | |
11. Do you always eat side dishes, vegetables and fruit when you eat?
- | | | |
|--------------|-----------------------|---------------------|
| a. Always | (6x/week (every day)) | d. Rarely (1x/week) |
| b. Often | (4-5x/week) | e. No |
| c. Sometimes | (2-3x/week) | |

Food Frequency Questioner (FFQ)

Name :
Class :
Gender :
Address :
Filling Date :

Put a tick (v) in the column that corresponds to your food consumption habits (in the last 1 month)

N O	Food material	>3x/day	1x/day	3-6x/week	1-2x/week	2x/ month	Never
1	Staple food						
	White rice						
	Pasta						
	White bread						
	Cereal with added sugar						
2	Animal side dishes						
	Fish fry						
	Beef dishes						
	Fried chicken						
3	Vegetable side dishes						
	Fried peanuts						
	Fried tofu						

	Fried tempe						
	Salted egg						
4	Vegetables						
	Good						
	Radish						
	Potato						
	Cassava						
	Sweet potato						
5	Fruits						
	Mango						
	Pineapple						
	Watermelon						
	Wine						
	Banana						
	Call						
	Dates						
6	Milk processing						
	Milk						
	Yogurt						
	Cheese						
	Ice cream						
7	Hahaha						
	Burger						
	Hotdog						

	Spaghetti						
	Fried chicken						
	French fries						
	Given						
	Meatball						
	Cake						
	Chocolate						
	Pudding						
	Candy						
8	Drink						
	Soft drink						
	Pop ice						
	Boba						
	Tea cups						
	Coffee						
	Total Food Score						

Diabetes Mellitus Risk Questionnaire (FINDRISC)

No	Question	Answer
1.	How old is your sister?	a. 10 years b. 11 years old c. 12 years old d. 13 years old
2.	What is your weight and height?	The weight = The height =
3.	How much did your little brother weigh when he was born?	a. < 2,5 kg b. 2,5 – 4 kg c. > 4 kg
4.	What is your waist circumference?	a. < 59 cm b. 59 – 62 cm c. > 62 cm
5.	Does your little brother do at least 30 minutes of physical activity every day?	a. Yes b. No
6.	Does your little brother eat vegetables and fruit every day?	a. Yes b. No
7.	Are there any family members in your younger sibling who have diabetes mellitus?	a. Yes, grandparents, uncles/aunts, cousins b. Yes, parents, siblings, older/younger siblings c. No d. Don't know
8.	Does your mother have a history of diabetes mellitus during pregnancy?	a. Yes b. No c. Don't know
9	How much time do you spend playing with gadgets in a day?	a. < 2 hours b. > 2 hours

Attachment 3. Guidance Sheet



LEMBAR BIMBINGAN SKRIPSI
PRODI SARJANA TERAPAN KEPERAWATAN MALANG
JURUSAN KEPERAWATAN POLTEKKES KEMENKES MALANG

Nama Mahasiswa : **KHAIRUN NISA OKTAFIANI**
 NIM : **P17211217142**
 Nama Pembimbing : **Dr. Erlina Suci Astuti, S.Kep., Ns., M.Kep**
 Judul Skripsi : **Hubungan Pola Makan Dengan Risiko Terjadinya Diabetes Mellitus Pada Anak SD Kelas 4-6 di SDN Tasikmadu 1 Malang**

NO	TANGGAL	REKOMENDASI PEMBIMBING	TANDA TANGAN	
			PEMBIMBING	MAHASISWA
1	Kamis, 19 Desember 2024	1) Konsultasi judul proposal 2) ACC judul proposal 3) Lanjut bab i		
2	Senin, 23 Desember 2024	1) Konsultasi bab i 2) Revisi bab i : - Revisi latar belakang - Penambahan skala data, penambahan kronologi risiko DM 3) Revisi format penulisan 4) Lanjut bab ii		
3	Kamis, 2 Januari 2025	1) Konsultasi revisi bab i 2) Konsultasi bab ii 3) Revisi bab ii : - Penambahan sitasi - Penambahan defnisi anak SD - Penambahan pola pengaruh orang tua - Kerangka konsep 4) Revisi ulang bab i		
4	Senin, 6 Januari 2025	1) Konsultasi revisi bab i dan ii 2) Acc bab i 3) Revisi kerangka konsep 4) Lanjut bab iii		
5	Rabu, 8 Januari 2025	1) Konsultasi kerangka konsep 2) Konsultasi bab iii 3) Revisi bab iii - Definisi operasional - Instrumen penelitian		
6	Kamis, 9 Januari 2025	1) Konsultasi kerangka konsep 2) Konsultasi revisi bab iii 3) Revisi instrumen penelitian 4) Revisi kerangka konsep		

NO	TANGGAL	REKOMENDASI PEMBIMBING	TANDA TANGAN	
			PEMBIMBING	MAHASISWA
7	Jumat, 10 Januari 2025	1) Konsultasi kerangka konsep 2) Konsultasi revisi bab III 3) Revisi bab III : - Kuisioner ditolakkan di lampiran 4) Revisi kerangka konsep		
8	Senin, 13 Januari 2025	1) Konsultasi kerangka konsep 2) ACC untuk ujian proposal		
9	Senin, 26 Mei 2025	1) Pengarahan untuk olah data 2) Pengerjaan bab 4 dan 5		
10	Rabu, 18 Juni 2025	1) Bimbingan bab 4 dan 5 2) Revisi bab 4 : - Penambahan data karakteristik responden - Pengelompokan data umum - Penambahan TIO di pembahasan		
11	Jumat, 20 Juni 2025	1) Konsultasi revisi bab 4 2) ACC bab 4 dan 5 3) Penambahan abstrak dan melengkapi lampiran		
12	Senin, 23 Juni 2025	1. Konsultasi abstrak acc. ujian sidang skripsi.		

Mengetahui,
Ketua
Prodi Sarjana Terapan Keperawatan Malang

Dr. Arief Bachtiar, S.Kep., Ns., M.Kep.
NIP. 197407281998031002

Malang, 23 Juni 2025
Pembimbing

Dr. Erlina Suci Astuti, S.Kep., Ns., M.Kep.
NIP. 197608102002122001

Attachment 4. Data Collection Permit Letter



Kementerian Kesehatan
Direktorat Jenderal
Sumber Daya Manusia Kesehatan

Politeknik Kesehatan Malang

Jalan Besar Jen. 77C

Malang, Jawa Timur 65112

(0341) 566075

01152/poltekkes-malang.ac.id

Nomor : PP.06.02/F.XIII/2763/2025 28 Mei 2025
 Hal : Permohonan Ijin Pengambilan Data untuk Penyusunan Skripsi Mahasiswa
 Jurusan Keperawatan Poltekkes Kemenkes Malang

Kepada Yth:
 Kepala SDN Tasikmadu 1 Malang
 Jl. Golf No. 71, Tasikmadu, Kec. Lowokwaru Malang

di -

Tempat

Bersama ini kami mohon bantuan demi terlaksananya kegiatan Pengambilan Data untuk bahan penyusunan Skripsi bagi Mahasiswa Jurusan Keperawatan Poltekkes Kemenkes Malang di wilayah kerja SDN Tasikmadu 1 Malang. Pengambilan data yang dimaksud akan dilaksanakan mulai tanggal 26 - 31 Mei 2025.

Adapun mahasiswa yang akan melaksanakan Pengambilan Data adalah:

Nama : Khairun Nisa Oktafiani
 NIM/Semester : P17211217142 / VIII
 Asal Program Studi : Sarjana Terapan Keperawatan Malang
 Judul Skripsi : Hubungan Pola Makan Terhadap Risiko Terjadinya Diabetes Mellitus Pada Anak SD Kelas 4-6
 No. HP : 085745895786

Demikian atas perhatian dan kerjasamanya disampaikan terima kasih.

a.n. Direktur
 Ketua Jurusan Keperawatan Poltekkes Kemenkes
 Malang,



Dr. Erlina Suci Astuti, S.Kep, Ns, M.Kep
 NIP. 197608102002122001

Attachment 5. Research Permit Reply Letter



Nomor : 422/046/35.73.401.01.185/2025
 Perihal : Permohonan Ijin Penelitian

Kepada
 Yth. Poltekkes Kemenkes Malang
 di Malang

Menindaklanjuti Surat dari Politeknik Kesehatan Kemenkes Malang pada tanggal 26 Mei 2025 Perihal : Permohonan ijin penelitian untuk penyusunan proposal skripsi mahasiswa jurusan Keperawatan Poltekkes Kemenkes Malang.

Sehubungan dengan hal tersebut, dengan ini kami menyatakan tidak keberatan untuk dilakukan penelitian terkait Hubungan Pola Makan Terhadap Risiko Terjadinya Diabetes Mellitus Pada Anak SD di SDN Tasikmadu 1 Malang serta memberikan ijin kepada :

Nama : Khairun Nisa Oktafiani
 NIM/Semester : P17211217142/VIII
 Asal Program Studi : Sarjana Terapan Keperawatan Malang

Demikian surat ini dibuat, atas perhatiannya disampaikan terima kasih.

Malang, 28 Mei 2025
 Kepala SDN Tasikmadu 1 Malang.

SUSMASWATI DWIKORAINI, S.Pd
 NIP. 196601021989042001

Attachment 6. Certificate of Completion of Data Collection



SURAT KETERANGAN PENELITIAN

No. No. 422/046/35.73.401.01.185/2025

Saya yang bertanda tangan dibawah ini :

Nama : SUSMAWATI DWIKORAINI, S.Pd
Jabatan : Kepala SDN Tasikmadu 1 Malang
Alamat : Jl. Golf No 71
Telp. : (0341) 491620

Dengan ini menerangkan bahwa :

Nama : Khairun Nisa Oktafiani
Program Studi : Sarjana Terapan Keperawatan Poltekkes Kemenkes Malang
Penelitian : Hubungan Pola Makan Terhadap Risiko Terjadinya Diabetes Mellitus Pada Anak SD Kelas 4-6 di SDN Tasikmadu 1 Malang

Nama diatas telah melaksanakan kegiatan penelitian di SDN Tasikmadu 1 Malang pada tanggal 26 – 31 Mei 2025.

Demikian Surat Keterangan ini dibuat untuk dipergunakan sebagaimana mestinya.

Malang, 28 Mei 2025
Kepala SDN Tasikmadu 1 Malang,



SUSMAWATI DWIKORAINI, S.Pd
081021989042001

Attachment 7. Ethical Clearance Application

RESEARCH PERMIT/ETHICAL CLEARANCE APPLICATION

Research proposal with the title :

"The Relationship Between Diet And The Risk Of Diabetes Mellitus In Elementary School Children (Grades 4-6)"

By : Khairun Nisa Oktafiani

NIM: P17211217142

It has been declared suitable for follow-up with research, then please issue a Letter of Permission to the Institution where the Research is being carried out and/or to the Ethical Clearance Team if necessary.

Know
Mentor

Malang,
Applicant





Dr. Erlina Suci Astuti, S.Kep., Ns., M.Kep
NIP. 197608102002122001




Khairun Nisa Oktafiani
NIM. P17211217142

Attachment 8. Ethics Cover Letter

 <p>Kemenkes Poltekkes Malang</p>	<p>Kementerian Kesehatan Direktorat Jenderal Sumber Daya Manusia Kesehatan Politeknik Kesehatan Malang Jalan Besar Jen 77C Malang, Jawa Timur 65112 (0341) 566075 https://poltekkes.malang.ac.id</p>
<p>Nomor : PP.06.02/F.XXI.15/748/2025 8 Mei 2025 Perihal : Permohonan Surat Keterangan Kelayakan Etik (<i>Ethical Clearance</i>) Dalam Rangka Pengambilan Data untuk Penyusunan Skripsi</p>	
<p>Yth. Ketua Komite Etik Penelitian Kesehatan (KEPK) Poltekkes Kemenkes Malang</p>	
<p>Sehubungan dengan kegiatan penyusunan Skripsi bagi Mahasiswa Program Studi Sarjana Terapan Keperawatan Malang Jurusan Keperawatan Poltekkes Kemenkes Malang, maka dengan ini kami mohon bantuan untuk diterbitkan Surat Keterangan Kelayakan Etik (<i>Ethical Clearance</i>) dan sepanjang mahasiswa tersebut memenuhi ketentuan yang berlaku.</p>	
<p>Adapun nama mahasiswa adalah sebagai berikut:</p>	
Nama	: Khairun Nisa Oktafiani
NIM/Semester	: P17211217142 / VIII
Asal Program Studi	: Sarjana Terapan Keperawatan Malang
Judul Skripsi	: Hubungan Pola Makan Dengan Risiko Terjadinya Diabetes Mellitus Pada Anak SD Kelas 4-6 di SDN Tasikmadu 1 Malang
No. HP	: 085745895786
<p>Demikian atas perhatian dan kerjasamanya disampaikan terima kasih.</p>	
<p>Ketua Jurusan Keperawatan Poltekkes Kemenkes Malang,</p>	
	
<p>Dr. Erlina Suci Astuti, S.Kep, Ns, M.Kep</p>	

Attachment 9. Ethical Approval



Kemenkes
Poltekkes Malang

Kementerian Kesehatan
Direktorat Jenderal
Sumber Daya Manusia Kesehatan
Politeknik Kesehatan Malang
Komisi Etik Penelitian Kesehatan
Jalan Besa Ijen Nomor 77 C. Malang
☎ (0341) 568075
✉ kkm-mat.k@poltekkes-malang.go.id

KETERANGAN LAYAK ETIK
DESCRIPTION OF ETHICAL APPROVAL
"ETHICAL APPROVAL"

No.DP.04.03/F.XX1.30/00463/2025

Protokol penelitian versi 2 yang diusulkan oleh :
The research protocol proposed by

Peneliti utama : KHAIRUN NISA OKTAFIANI
Principal In Investigator

Nama Institusi : POLTEKKES KEMENKES MALANG
Name of the Institution

Dengan judul:
Title
"HUBUNGAN POLA MAKAN TERHADAP RISIKO TERJADINYA DIABETES MELLITUS PADA ANAK SD KELAS 4-6 DI SDN TASIKMADU 1 MALANG"


"THE RELATIONSHIP BETWEEN DIET AND THE RISK OF DIABETES MELLITUS IN ELEMENTARY SCHOOL CHILDREN IN GRADES 4-6 AT SDN TASIKMADU 1 MALANG"

Dinyatakan layak etik sesuai 7 (tujuh) Standar WHO 2011, yaitu 1) Nilai Sosial, 2) Nilai Ilmiah, 3) Pemerataan Beban dan Manfaat, 4) Risiko, 5) Bujukan/Eksploitasi, 6) Kerahasiaan dan Privacy, dan 7) Persetujuan Setelah Penjelasan, yang merujuk pada Pedoman CIOMS 2016. Hal ini seperti yang ditunjukkan oleh terpenuhinya indikator setiap standar.


Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011 Standards, 1) Social Values, 2) Scientific Values, 3) Equitable Assessment and Benefits, 4) Risks, 5) Persuasion/Exploitation, 6) Confidentiality and Privacy, and 7) Informed Consent, referring to the 2016 CIOMS Guidelines. This is as indicated by the fulfillment of the indicators of each standard.

Pernyataan Laik Etik ini berlaku selama kurun waktu tanggal 14 Juni 2025 sampai dengan tanggal 14 Juni 2026.

This declaration of ethics applies during the period June 14, 2025 until June 14, 2026.



June 14, 2025
Chairperson,



Dr. Susi Milwati, S.Kp., M.Pd.

Attachment 10. Data Tabulation

P1	P2	P3	P4	P6	P7	P8	P9	P11	P12	P13	FFQ (X)
5	5	5	5	5	2	2	2	5	5	5	1
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4	4	3	3	3	5	2	5	4	5	4	2
2	2	2	5	5	2	3	2	3	5	4	1
2	2	2	5	3	5	4	3	3	5	4	2
5	5	5	5	5	3	3	3	4	5	3	1
3	3	2	5	5	5	3	3	3	5	3	1
5	5	4	5	5	5	5	5	4	5	3	1
2	2	2	5	5	4	3	3	4	5	4	2
3	3	3	5	5	3	3	3	5	5	3	1
5	5	4	5	5	5	5	5	4	5	4	2

3	3	2	5	3	3	3	2	3	3	3	1
5	5	5	2	3	5	3	2	4	5	5	1
3	3	3	5	5	3	2	3	3	3	4	1
3	3	2	5	5	3	3	3	3	3	4	1
4	4	3	5	5	5	3	5	4	5	4	1
3	3	2	5	5	5	4	3	3	5	4	1
5	5	3	4	5	3	3	5	1	3	4	1
5	5	5	4	5	5	3	3	1	3	4	2
3	3	2	5	5	5	2	5	3	5	4	2
5	5	4	5	5	4	3	4	3	5	3	2
3	3	2	5	5	5	3	3	3	5	4	1

Attachment 11. Normality and Homogeneity Test

Normality Test

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		100
Normal Parameters ^{a,b}	Mean	.0000000
	Std. Deviation	.78765436
Most Extreme Differences	Absolute	.201
	Positive	.145
	Negative	-.201
Test Statistic		.201
Asymp. Sig. (2-tailed)		.000 ^c

Homogeneity Test

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Risk of Diabetes Mellitus	Based on Mean	.282	1	98	.597
	Based on Median	.135	1	98	.714
	Based on Median and with adjusted df	.135	1	97.944	.714
	Based on trimmed mean	.295	1	98	.589

Attachment 12. Results of Statistical Calculations with SPSS

1. UNIVARIATE ANALYSIS

X1. GENDER

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Man	47	47.0	47.0	47.0
	Woman	53	53.0	53.0	100.0
	Total	100	100.0	100.0	

X2. AGE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	10	31	31.0	31.0	31.0
	11	28	28.0	28.0	59.0
	12	33	33.0	33.0	92.0
	13	8	8.0	8.0	100.0
	Total	100	100.0	100.0	

X3. IMT

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	<23,8 (Normal)	72	72.0	72.0	72.0
	23.8 - 26 (Obese)	11	11.0	11.0	83.0
	>26 (Obesity)	17	17.0	17.0	100.0
	Total	100	100.0	100.0	

X4. BREAKFAST

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Never	5	5.0	5.0	5.0
	Seldom	11	11.0	11.0	16.0
	Sometimes	22	22.0	22.0	38.0
	Often	17	17.0	17.0	55.0
	Always	45	45.0	45.0	100.0

X5. THE FEELING OF JOY WHEN EATING

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Seldom	26	26.0	26.0	26.0
	Sometimes	17	17.0	17.0	43.0
	Often	29	29.0	29.0	72.0
	Always	28	28.0	28.0	100.0
	Total	100	100.0	100.0	

X6. SNACKING HABITS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Seldom	1	1.0	1.0	1.0
	Sometimes	22	22.0	22.0	23.0
	Often	20	20.0	20.0	43.0
	Always	57	57.0	57.0	100.0
	Total	100	100.0	100.0	

X7. HIGH SUGAR CONSUMPTION

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Seldom	1	1.0	1.0	1.0
	Sometimes	38	38.0	38.0	39.0
	Often	8	8.0	8.0	47.0
	Always	53	53.0	53.0	100.0
	Total	100	100.0	100.0	

X8. HIGH SALT CONSUMPTION

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Seldom	7	7.0	7.0	7.0
	Sometimes	36	36.0	36.0	43.0
	Often	12	12.0	12.0	55.0
	Always	45	45.0	45.0	100.0
	Total	100	100.0	100.0	

X9. HIGH FAT CONSUMPTION

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Seldom	28	28.0	28.0	28.0
	Sometimes	54	54.0	54.0	82.0
	Often	6	6.0	6.0	88.0
	Always	12	12.0	12.0	100.0
	Total	100	100.0	100.0	

X10. FAST FOOD CONSUMPTION

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Seldom	26	26.0	26.0	26.0
	Sometimes	51	51.0	51.0	77.0
	Often	7	7.0	7.0	84.0
	Always	16	16.0	16.0	100.0
	Total	100	100.0	100.0	

X11. FREQUENCY OF EATING IN A DAY

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Irregular	12	12.0	12.0	12.0
	1x a day	2	2.0	2.0	14.0
	2x a day	31	31.0	31.0	45.0
	3x a day	30	30.0	30.0	75.0
	>3x a day	25	25.0	25.0	100.0
	Total	100	100.0	100.0	

X12. USE 1 PORTION OF FOOD

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Never	1	1.0	1.0	1.0
	Seldom	6	6.0	6.0	7.0
	Sometimes	16	16.0	16.0	23.0
	Often	26	26.0	26.0	49.0
	Always	51	51.0	51.0	100.0
	Total	100	100.0	100.0	

X13. CONSUMPTION OF FRUITS AND VEGETABLES

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Seldom	2	2.0	2.0	2.0
	Sometimes	40	40.0	40.0	42.0
	Often	37	37.0	37.0	79.0
	Always	21	21.0	21.0	100.0
	Total	100	100.0	100.0	

X14. DIETARY PATTERN (FFQ)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	High	58	58.0	58.0	58.0
	Currently	42	42.0	42.0	100.0
	Total	100	100.0	100.0	

X15. RISK OF DIABETES MELLITUS (FINDRISC)

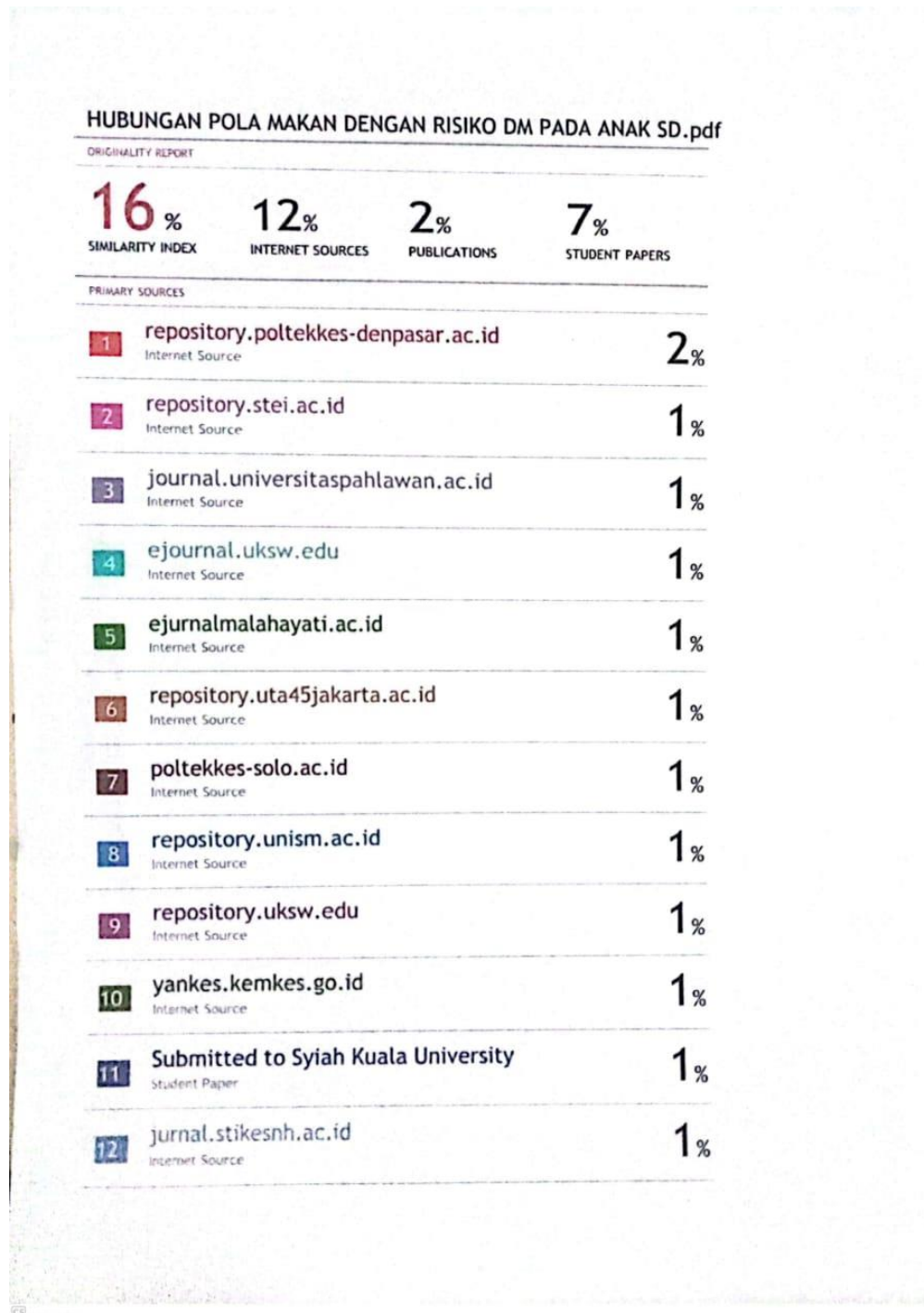
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Low Risk	29	29.0	29.0	29.0
	Moderate Risk	33	33.0	33.0	62.0
	High Risk	38	38.0	38.0	100.0
	Total	100	100.0	100.0	

2. BIVARIATE ANALYSIS

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	7.544 ^a	2	.023
Likelihood Ratio	7.583	2	.023
Linear-by-Linear Association	7.135	1	.008
N of Valid Cases	100		

Attachment 13. Turnitin Plagiarism Check Results



13	repository.stikes-bhm.ac.id	1%
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Exclude bibliography	Off	

Attachment 14. Research Documentation









Attachment 15. Revision Sheet

EXAM REVISION PAGE
BACHELOR OF APPLIED NURSING STUDY PROGRAM
NURSING DEPARTMENT OF POLYTECHNIC OF HEALTH MALANG

Student Name : Khairun Nisa Oktafiani
 NIM : P17211217142
 Examiner Name : Dr. Arief Bachtiar, S.Kep.,Ns., M.Kep
 Examiner : Chairman
 Thesis title : The Relationship Between Diet And The Risk Of Diabetes Mellitus In Elementary School Children (Grades 4-6)
 Exam Date : July 1, 2025

NO	CHAPTER/ PAGE	EXAMINER REVISION DETAILS	NOTE	SIGNATURE
1.	LIST OF TABLE	- Table writing is adjusted to the guidebook.	Has been revised.	
2.	RESEARCH RESULT	- Check gender as a vulnerable factor in the female gender.	Research result has been revised.	
3.	RESEARCH LIMITATION	- Limitations regarding family history of diabetes mellitus adapted to the diabetes mellitus risk questionnaire at no. 7 and 8.	The research limitation have been revised.	
4.	CONCLUSION	- Customized with the title on the cover page	Conclusion has been revised	




Malang, July 2, 2025

Head of the Applied Bachelor's
Nursing Study Program,


Dr. Arief Bachtiar, S.Kep., Ns., M.Kep.
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EXAM REVISION PAGE
BACHELOR OF APPLIED NURSING STUDY PROGRAM
NURSING DEPARTMENT OF POLYTECHNIC OF HEALTH MALANG

Student Name : Khairun Nisa Oktafiani
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 Examiner : Member I
 Thesis Title : The Relationship Between Diet And The Risk Of Diabetes Mellitus In Elementary School Children (Grades 4-6)
 Exam Date : July 1, 2025

NO	CHAPTER/ PAGE	EXAMINER REVISION DETAILS	NOTE	SIGNATURE
1.	ORSINILITY STATEMENT PAGE	- Adding page numbers with Roman pages.	Orsinility page has been revised	
2.	FOREWORK	- Adding the names of the principal and teachers in the forework. - Adding page numbers with Roman pages	The forework have been revised.	
3.	ABSTRACT, TABLE OF CONTENTS, LIST OF TABLES, LIST OF FIGURES, LIST OF ATTACHMENTS	- Adding page numbers with Roman pages	Has been revised	





Malang, July 2, 2025

Head of the Applied Bachelor's
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EXAM REVISION PAGE
BACHELOR OF APPLIED NURSING STUDY PROGRAM
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 Examiner : Member II
 Thesis Title : The Relationship Between Diet And The Risk Of Diabetes Mellitus In Elementary School Children (Grades 4-6)
 Exam Date : July 1, 2025

NO	CHAPTER/ PAGE	EXAMINER REVISION DETAILS	NOTE	SIGNATURE
1.	APPROVAL SHEET	- Revise of the approval sheet, the signature of the head of the study program was replaced with the head of the department.	Approval sheet has been revised	
2.	ORSINILITY STATEMENT PAGE	- Adding a signature to the orsinility page.	Orsinility page has been revised	
3.	FOREWORK	- Adding the names of the principal and teachers in the forework.	The forework have been revised.	
4.	BIBLIOGRAPHY	- The writing is adjusted to the guidebook.	Bibliography has been revised	

Malang, July 2, 2025

Head of the Applied Bachelor's
Nursing Study Program,


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