

APPENDICES

Appendix 1 Request to Participate as a Research Respondent Form

REQUEST TO BECOME A RESPONDENT

To:
Mr./Mrs.
At Ngudi Waluyo Wlingi Regional
General Hospital

Dear Sir/Madam,

I, the undersigned, am a student of the Applied Bachelor of Nursing Program, Department of Nursing, Health Polytechnic of the Ministry of Health Malang,

Name : Chirana Karsa Medis

Student ID : P17211217147

I will be conducting a research study entitled "Analysis of Factors Related to Length of Stay (LOS) Using the Time Frame Guide Emergency Model of Care Approach in the Emergency Department (ED) of Ngudi Waluyo Wlingi Regional General Hospital."

Therefore, I respectfully request your willingness to participate as a respondent to be observed in this research. All information will be kept confidential and used solely for research purposes. If you choose not to participate as a respondent, there will be no consequences or risks to you.

Thank you for your kind attention and willingness to participate as a respondent.

Wlingi, 2025

Researcher

Chirana Karsa Medis

Appendix 2 Respondent Informed Consent Form

RESPONDENT CONSENT FORM

I, the undersigned:

Name :

Date of Birth :

Address :

Phone Number :

Hereby willingly agree to participate as a respondent in the research conducted by Chirana Karsa Medis, a student of the Applied Bachelor of Nursing Program at the Health Polytechnic of the Ministry of Health Malang, entitled "Analysis of Factors Related to Length of Stay (LOS) Using the Time Frame Guide Emergency Model of Care Approach in the Emergency Department (ED) of Ngudi Waluyo Wlingi Regional General Hospital." voluntarily and without coercion from anyone.

This research will not cause any harm or negative consequences for me or my family, and therefore I consent to participate as a respondent.

This consent form is made truthfully to be used as necessary

Wlingi, 2025

Witness

Respondent

(.....) (.....)

Researcher

(.....)

Appendix 3 Observation sheet developed from the ED Wait Time Indicators Calculation Toolkit in the study by Ismail (2018)





Emergency Room Length of Stay Observation Sheet			
No. Respondent		Date	
		Medical Diagnosis	
Age		References from	
Gender	L/P	DPJP	
BPJS/GENERAL *)		PPJP	
TIME FRAME	SERVICE	TIME	
		IN	OUT
Time Frame 1 Total Time: Minute	REGISTRATION LOG IN	O'clock:	
	<i>Triage Time</i>	O'clock:	O'clock:
	<i>Acuity/Label:</i>	YELLOW/P2	
	Dr. Triage:	Nurse:	
	Note:		
	<i>Assessment</i>	O'clock:	O'clock:
	Laboratory	O'clock:	O'clock:
	Radiology	O'clock:	O'clock:
	Note:		
	Time Frame 2 Total Time: Minute	Consultation:	O'clock:
<i>Time Disposition:</i>		O'clock:	O'clock:
Note:		Final Disposition: *cross the unnecessary ones KRS / MRS / REFERRED	
Time Frame 3 Total Time: Minute	MRS/KRS Registration	O'clock:	O'clock:
	Boarding Time	O'clock:	O'clock:
	Transfer to another unit*)	O'clock:	O'clock:
	Transporter:		
	Note:		
TOTAL LOS	ANALYSIS*check		
Minute	<input type="checkbox"/> LOS ≤4 hours		<input type="checkbox"/> LOS ≥4 hours







Appendix 4 Proposal and Thesis Revision Form
















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

Nama Mahasiswa : **CHIRANA KARSA MEDIS**
 NIM : **P17211217147**
 Nama Pembimbing : **Taufan Arif, S.Kep., Ns., M.Kep**
 Judul Skripsi : **Analisa Faktor yang Berhubungan dengan *Length of Stay* Pasien Melalui Pendekatan *Time Frame Guide Emergency Model of Care* di Instalasi Gawat Darurat RSUD Ngudi Waluyo Wlingi**

NO	TANGGAL	REKOMENDASI PEMBIMBING	TANDA TANGAN	
			PEMBIMBING	MAHASISWA
1.	03 Januari 2025	Konsultasi judul. Analisa Faktor yang Berhubungan dengan <i>Length of Stay</i> Pasien Melalui Pendekatan <i>Time Frame Guide Emergency Model of Care</i> di Instalasi Gawat Darurat RSUD Ngudi Waluyo Wlingi. "di Instalasi Gawat Darurat" letaknya diganti setelah kalimat "Melalui Pendekatan <i>Time Frame Guide Emergency Model of Care</i> "		
2.	06 Januari 2025	Bimbingan BAB I <ul style="list-style-type: none"> - <i>Problem statement</i> dalam BAB I belum dimunculkan. - Tambahkan artikel yang membahas tentang LOS di RS lain, tampilkan data bahwa adanya LOS yang memanjang di beberapa RS lalu dikerucutkan data memanjangnya LOS IGD di RSUD Ngudi Waluyo Wlingi - Pada tujuan khusus penomoran cukup 1,2,3 dst tidak perlu 1.3.2.1 dst - Pada tujuan khusus poin pertama bukan analisis tetapi mengidentifikasi 		

3.	08 Januari 2025	<p>Bimbingan BAB 1</p> <ul style="list-style-type: none"> - Sitasi pada BAB 1 dilengkapi - Pada bagian manfaat praktis bagi RS dijelaskan bahwa dengan dilakukan penelitian ini dapat dilihat pada frame berapakah yang berhubungan dengan terjadinya LOS di IGD sehingga dapat jadi masukan dan bahan untuk meningkatkan pelayanan RS 		
4.	08 Januari 2025	<p>Bimbingan BAB 2</p> <ul style="list-style-type: none"> - Tambahan konsep atau jabarkan terkait <i>emergency care</i>, <i>unschedule urgent care</i>, dan <i>safety care</i> yang ada pada penjelasan terkait penyebab <i>emergency edepartement crowding</i> di bagian faktor <i>input</i> - Pada konsep penelitian kata (<i>input</i>, <i>throughput</i>, dan <i>output</i>) tidak perlu dituliskan - Pada bagian konsep penelitian untuk <i>output</i> bukan LOS memanjang atau memendek namun tentang dampak LOS yang $<4/>4$ jam itu apa? Contohnya berdampak bagi kualitas pelayanan, kepuasan pasien dll 		
5.	10 Januari 2025	<p>Bimbingan BAB 3</p> <ul style="list-style-type: none"> - Tabel diperkecil font bisa 10 dan spasi 1 - Cari data rata" pasien perbulan untuk dijadikan populasi lalu nanti dihitung sampel menggunakan rumus slovin - Tidak diwajibkan untuk melakukan analisis multivariat, jika iya disarankan menggunakan pihak ketiga 		

6.		<ul style="list-style-type: none"> - Lembar observasi harus jelas dan mudah dipahami. Tambahkan keterangan pukul pada tabel in dan out dan menit pada tabel time frame untuk melihat jumlah menit dalam masing" time frame. - Melengkapi lampiran, daftar gambar dan daftar tabel - Tambahkan lembar rekapitulasi untuk yang berisi 3 frame dan LOS di IGD sebagai lembar observasi/kendali peneliti sehingga memudahkan untuk mengolah data yang sudah didapat 		
7.	14 Januari 2025	<ul style="list-style-type: none"> - ACC dari pembimbing dan mengajukan Seminar Proposal 		
	21 Mei 2025	<ul style="list-style-type: none"> - Konsultasi hasil olah data SPSS - Pada definisi operasional skala diganti ordinal dan skor diganti diperjelaskan sesuai kategori - Pada analisis data univariat ditambah interpretasi persentase hasil pengukuran length of stay - Susun BAB 4 dan 5 		
8.	28 Mei 2025	<p>Bimbingan BAB 4:</p> <ul style="list-style-type: none"> - Pada hasil pembahasan data umum tambahkan interpretasi persentase - Tambahkan hasil pembahasan lebih detail dengan susunan fakta teori dan opini - Pada judul tiap poin harus konsisten sama semua - Penulisan diganti dari "Pasien Non-trauma di IGD" 		


		<p>P2 RSUD Ngudi Waluyo Wlingi" jadi "Pasien Non-trauma Kategori P2 di IGD RSUD Ngudi Waluyo Wlingi Periode Juni 2025"</p> <ul style="list-style-type: none"> - Pada analisis bivariat tambahkan crosstab data ordinal dan crosstab antar variabel 		
9.	17 Juni 2025	<ul style="list-style-type: none"> - Pada pembahasan length of stay jelaskan detail mulai time frame 1, time frame 2, time frame 3 lalu los - Pada pembahasan setiap poin per time frame jelaskan lebih detail dan panjang, beri jurnal yang mendukung minimal 3 - Pada keterbatasan susun dengan poin 		
10.	25 Juni 2025	<p>Bab 5</p> <ul style="list-style-type: none"> - Tulisan kesimpulan tambahkan faktor paling dominan - Pada penulisan halaman pada bagian BAB angka diletakkan di bawah - Lampiran dilengkapi 		
11	26 Juni 2025	<p>ACC BAB 4 dan 5</p> <p>Lanjutkan pengajuan seminar hasil</p>		

Mengetahui, Ketua
Prodi Sarjana Terapan Keperawatan Malang



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





Malang, 30 Juni 2025
Pembimbing



Taufan Arif, S.Kep., Ns., M.Kep.
NIP. 199006072022031001

EXAM REVISION SHEET
BACHELOR'S DEGREE PROGRAM IN APPLIED NURSING
DEPARTMENT OF NURSING
MINISTRY OF HEALTH, REPUBLIC OF INDONESIA
HEALTH POLYTECHNIC OF MALANG

Student Name : Chirana Karsa Medis
 NIM : P17211217147
 Examiner Name : Rudi Hamarno, S.Kep., Ns., M.Kep
 Tester : Chief Examiner
 Thesis Title : Analysis Of Factors Associated with Patient Length of Stay
 Using the Time Frame Guide Emergency Model of Care
 Approach in The Emergency Department of Ngudi Waluyo
 Wlingi Regional General Hospital
 Date : July 10, 2025

NO	CHAPTER/ PAGE	EXAMINER REVISION DETAILS	NOTE	SIGNATURE
1.	ABSTRACT	The abstract does not yet include the recommendations derived from this study.	The recommendation section has been added to the abstract.	
2.	TABLE OF CONTENTS	Please revise and format the Table of Contents, List of Tables, List of Figures, and List of Appendices to ensure they are properly organized and presented in a clear, consistent, and professional manner.	Fixed	
3.	CHAPTER III 38	In Chapter III, within the data processing section, some paragraphs are written in a font size smaller than 12. Please adjust the font size to match the required formatting guidelines.	Fixed	
4	CHAPTER IV	In Table 4.4, which presents the characteristics of respondents based on diagnosis, there are duplicate entries in the results.	Fixed	

5	APPENDIX	In Appendix 9, where the data is tabulated, please include the time in minutes for time frames 1, 2, and 3, so that it becomes clearer which patients have a Length of Stay (LOS) that does not meet the target.	Fixed	↓
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Malang, June 20, 2025

Head of The Applied Bachelor's Nursing Study Program







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

NIP. 197407281998031002

EXAM REVISION SHEET
BACHELOR'S DEGREE PROGRAM IN APPLIED NURSING
DEPARTMENT OF NURSING
MINISTRY OF HEALTH, REPUBLIC OF INDONESIA
HEALTH POLYTECHNIC OF MALANG

Student Name : Chirana Karsa Medis
 NIM : P17211217147
 Examiner Name : Budiono, S.Kp., M. Kes
 Tester : Examiner 1
 Thesis Title : Analysis Of Factors Associated with Patient Length of Stay
 Using the Time Frame Guide Emergency Model of Care
 Approach in The Emergency Department of Ngudi Waluyo
 Wlingi Regional General Hospital
 Date : July 10, 2025

NO	CHAPTER/ PAGE	EXAMINER REVISION DETAILS	NOTE	SIGNATURE
1.	CHAPTER I	Please write the preface in accordance with the established academic writing guidelines..	Fixed	
	CHAPTER II	In Chapter II, why are there only three hypotheses, while there are four aspects listed in the research objectives to be analyzed?	The section has been revised. I have adjusted the hypotheses to four, in accordance with the research objectives of the study.	
2.	CHAPTER III	In Chapter III, the inclusion criteria can be focused on either trauma or non-trauma patients. It is recommended to first observe which patient group is more prevalent, so that one can be selected accordingly to minimize potential research bias.	The section has been revised. Since the majority of patients were non-trauma cases, I have focused the inclusion criteria on non-trauma patients for this study.	
3.	CHAPTER III	In Chapter III, the data collection procedure should be	The section has been revised. I have	




4.		explained in detail, including a clear description of how the data were obtained. The explanation should include the specific time frames for each stage of data collection.	provided a detailed explanation of the implementation procedure in accordance with the observation sheet, making it easier to understand.	
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Malang, June 20, 2025
Head of The Applied Bachelor's Nursing Study Program


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

EXAM REVISION SHEET
BACHELOR'S DEGREE PROGRAM IN APPLIED NURSING
DEPARTMENT OF NURSING
MINISTRY OF HEALTH, REPUBLIC OF INDONESIA
HEALTH POLYTECHNIC OF MALANG

Student Name : Chirana Karsa Medis
 NIM : P17211217147
 Examiner Name : Taufan Arif, S.Kep., Ns., M. Kep
 Tester : Examiner Member 2/Supervisor
 Thesis Title : Analysis Of Factors Associated with Patient Length of Stay Using the Time Frame Guide Emergency Model of Care Approach in The Emergency Department of Ngudi Waluyo Wlingi Regional General Hospital
 Date : July 10, 2025

NO	CHAPTER/ PAGE	EXAMINER REVISION DETAILS	NOTE.	SIGNATURE
1.	CHAPTER I	Please add data related to the prolonged Length of Stay (LOS) in the Emergency Department (ED) for patients in category P2, and strengthen the presentation of evidence showing the extended LOS specifically among P2 category cases	I have added research findings from RSUD Iskak Tulungagung that investigated prolonged Length of Stay (LOS) in the Emergency Department for patients in category P2.	
2	CHAPTER II	In Chapter II, why are there only three hypotheses, while there are four aspects listed in the research objectives to be analyzed?	The section has been revised. I have adjusted the hypotheses to four, in accordance with the research objectives of the study.	
3	APPENDIX	In Appendix 9, where the data is tabulated, please include the time in minutes for time frames 1, 2, and 3, so that it becomes clearer which patients have a	I have added data tabulation for each time frame, so the data is	

4		Length of Stay (LOS) that does not meet the target. Please revise and format any pages that are not yet in accordance with the thesis writing guidelines.	now clearly presented in tabular form Fixed	
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Malang, June 20, 2025
Head of The Applied Bachelor's Nursing Study Program



Dr. Arief Bachtiar, S.Kep., Ns., M.Kep.
NIP. 19740728199803100

Appendix 5 Research Approval Letter



Kementerian Kesehatan
Direktorat Jenderal
Sumber Daya Manusia Kesehatan
 Politeknik Kesehatan Malang
 Jalan Besar Ijen 77C
 Malang, Jawa Timur 65112
 (0341) 566075
<https://poltekkes-malang.ac.id>

Nomor : PP.06.02/F.XIII/2858/2025 3 Juni 2025
 Hal : Permohonan Ijin Pengambilan Data untuk Penyusunan Skripsi Mahasiswa
 Jurusan Keperawatan Poltekkes Kemenkes Malang

Kepada Yth:
 Direktur RSUD Ngudi Waluyo Wlingi
 Jl. Dokter Sucipto No.5, Beru, Kec. Wlingi
 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 Direktur RSUD Ngudi Waluyo Wlingi. Pengambilan data yang dimaksud akan dilaksanakan mulai tanggal 09 - 21 Juni 2025.

Adapun mahasiswa yang akan melaksanakan Pengambilan Data adalah:

Nama : Chirana Karsa Medis
 NIM/Semester : P17211217147 / VIII
 Asal Program Studi : Sarjana Terapan Keperawatan Malang
 Judul Skripsi : Analisa Faktor Yang Berhubungan Dengan Length of Stay Pasien Melalui Pendekatan Time Frame Guide Emergency Model of Care di Instalasi Gawat Darurat RSUD Ngudi Waluyo Wlingi
 No. HP : 082195293161

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

Kementerian Kesehatan tidak menerima suap dan/atau gratifikasi dalam bentuk apapun. Jika terdapat potensi suap atau gratifikasi silahkan laporkan melalui HALO KEMENKES 1500567 dan <https://wbs.kemkes.go.id>. Untuk verifikasi keaslian tanda tangan elektronik, silahkan unggah dokumen pada laman <https://tte.kominfo.go.id/verifyPDF>.



Dokumen ini telah ditandatangani secara elektronik menggunakan sertifikat elektronik yang diterbitkan oleh Balai Besar Sertifikasi Elektronik (BSrE), Badan Siber dan Sandi Negara

Appendix 6 Research Authorization Response Letter



PEMERINTAH KABUPATEN BLITAR
**RUMAH SAKIT UMUM DAERAH
 "NGUDI WALUYO" WLINGI**

Jalan Dokter Sucipto Nomor 5 Beru Wlingi Blitar,
 Telepon (0342) 691006, Laman rsudngudiwaluyo.blitarkab.go.id
 Pos-el : rsngudiwaluyo@blitarkab.go.id



Wlingi, 10 Juni 2025

No : 42 /SP/DIKLAT/X/2024
 Lampiran : -
 Perihal : Surat Penghadapan peserta
penelitian

Kepada

Yth. Kepala Ruang IGD

Di

RSUD "Ngudi Waluyo" Wlingi

Bersama ini menghadapkan Poltekkes Kemenkes Malang untuk melaksanakan penelitian di Ruang IGD RSUD "Ngudi Waluyo" Wlingi mulai tanggal 10 Juni s.d. 10 Juli 2025. Untuk itu mohon bimbingan/arahan agar tercapainya tujuan yang diinginkan. Adapun nama Peneliti tersebut adalah sbb :

No	NAMA	NIP	JUDUL
1.	Chirana Karsa Medis	P17211217147	Analisa Faktor Yang Berhubungan Dengan Length Of Stay Pasien Melalui Pendekatan Time Frame Guide Emergency Model Of Care di Instalasi Gawat Darurat RSUD Ngudi Waluyo Wlingi

Sebagai Pendamping CI unt

uk peneliti tersebut diatas adalah sbb :

No	NAMA CI	NIP	JABATAN
1	AHMAD NURDIN, S.Kep.Ns	197705032006041000	Ka Ruang IGD

Demikian atas bantuan dan kerjasamanya sekaligus mohon ditempatkan di ruang praktek dimaksud.

Kepala Ruang IGD dan Diklitbang
 RSUD "Ngudi Waluyo" Wlingi



KETERANGAN :

Pembayaran tersebut mohon ditransfer ke rekening :
 No.Rekening : 0461006033 (untuk pembayaran diluar RS /transfer)
 Atas Nama : Bendahara Penerima BLUD RSUD "Ngudi Waluyo" Wlingi
 Nama Bank : Bank Jatim Cabang Blitar

Appendix 7 Letter of Research Completion



PEMERINTAH KABUPATEN BLITAR
RUMAH SAKIT UMUM DAERAH
“NGUDI WALUYO” WLINGI

Jalan Dokter Sucipto Nomor 5 Beru Wlingi Blitar,
 Telepon (0342) 691006, Laman rsudngudiwaluyo.blitarkab.go.id
 Pos-el : rsungudiwaluyo@blitarkab.go.id



SURAT KETERANGAN

Nomor : B/070/2344/409.52.4/2025

Yang bertanda tangan dibawah ini :

Direktur Rumah Sakit Umum Daerah “Ngudi Waluyo” Wlingi.

Dengan ini menerangkan bahwa :

NAMA : Chirana Karsa Medis
 NIM : P17211217147
 JUDUL : Analisa Faktor Yang Berhubungan Dengan Length Of Stay Pasien Melalui Pendekatan Time Frame Guide Emergency Model Of Care di Instalasi Gawat Darurat RSUD Ngudi Waluyo Wlingi
 INSTITUSI : Poltekkes Kemenkes Malang

Telah melaksanakan penelitian di Rumah Sakit Umum Daerah “Ngudi Waluyo” Wlingi pada tanggal **10 Juni s.d. 10 Juli 2025** di Ruang IGD. Selama melaksanakan penelitian di RSUD “Ngudi Waluyo” Wlingi yang bersangkutan memiliki prestasi baik.

Demikian surat keterangan ini diberikan untuk dapat dipergunakan sebagaimana mestinya.

Wlingi, 23 MEI 2025
 A.n Direktur
 RSUD “Ngudi Waluyo” Wlingi
 Plt. Wakil Direktur Umum dan Keuangan



dr. TRI WAHYUNING RAHMAWATI
 Pembina/IVa
 NIP. 197707062006042038

Appendix 8 Ethical Clearance Letter



PEMERINTAH KABUPATEN BLITAR
**RUMAH SAKIT UMUM DAERAH
 "NGUDI WALUYO" WLINGI**

Jalan Dokter Sucipto Nomor 5 Beru Wlingi Blitar,
 Telepon (0342) 691006, Laman rsudngudiwaluyo.blitarkab.go.id
 Pos-el : rsudngudiwaluyo@blitarkab.go.id



KOMITE ETIK PENELITIAN KESEHATAN
 HEALTH RESEARCH ETHICS COMMITTEE
 RUMAH SAKIT UMUM DAERAH "NGUDI WALUYO" WLINGI
 "NGUDI WALUYO" WLINGI REGIONAL GENERAL HOSPITAL
 KETERANGAN LAYAK KAJI ETIK
 "ETHICAL APPROVAL"
 No : B/070/2276/409.52.4/2025

Protokol penelitian yang diusulkan oleh:
 The research protocol proposed by

Peneliti utama : Chirana Karsa Medis
 Principal in Investigator
 Nama Institusi : Poltekkes Kemenkes Malang
 Name of the Institution : Poltekkes of Kemenkes Malang
 Dengan judul : Analisa Faktor Yang Berhubungan Dengan Length Of
 Title Stay Pasien Melalui Pendekatan Time Frame Guide
 Emergency Model Of Care di Instalasi Gawat Darurat
 RSUD Ngudi Waluyo Wlingi (Analysis of Factors Related
 to Length of Stay of Patients Through the Time Frame
 Guide Emergency Model of Care Approach in the
 Emergency Installation of Ngudi Waluyo Wlingi Regional
 Hospital)

Dinyatakan layak etik sesuai 7 (tujuh) Standar WHO 2011, yaitu 1)Nilai Sosial,
 2)Nilai Ilmiah, 3)Pemerataan Beban dan Manfaat, 4)Risiko, 5)Rujukan/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 ethically appropriate according to 7 (seven) WHO 2011 Standards, namely 1)
 Social Value, 2) Scientific Value, 3) Equalization of Burden and Benefits, 4) Risk, 5)
 Referral/Exploitation, 6) Confidentiality and Privacy, and 7) Consent After explanation, which
 refers to the CIOMS 2016 Guidelines. This is as shown by the fulfillment of the indicators for
 each standard*

Pernyataan Laik Etik ini berlaku selama kurun waktu tanggal 10 Juni s.d. 10 Juli
 2025

This Statement of Ethics is valid for the period 10 June to 10 July 2025

DIREKTUR
 DIRECTOR
 RSUD "NGUDI WALUYO" WLINGI



dr. Endah Woro Utami, MMRS
 Pembina Utama Muda/IVc
 NIP. 197202022002122004

Wlingi, 10 Juni 2025
 KETUA KEPK
 CHIEF OF KEPK
 RSUD "NGUDI WALUYO" WLINGI



dr. HESTI PURWANTI, SpPD
 Penata IIIc
 NIP. 198003172009012005

didandatangani secara elektronik melalui portal
 yang diterbitkan oleh Balai Besar Sertifikasi Elektronik (BSrE), Badan Siber dan Sandi Negara

Appendix 9 Data Tabulation

NO	UMUR	JK	DX	WAKTU MASUK	CARA DATANG	JAMKES	TIME FRAME 1		TIME FRAME 2		TIME FRAME 3		LOS	
							CODE	MENIT	CODE	MENIT	CODE	MENIT	CODE	MENIT
1	4	L	1	3	1	1	1	100	1	58	1	51	1	209
2	2	L	9	3	1	1	1	93	1	24	1	34	1	151
3	2	P	1	3	2	1	1	56	1	23	2	103	1	182
4	1	L	1	3	1	1	1	93	1	50	1	41	1	184
5	4	L	3	3	1	1	1	104	1	42	1	60	1	206
6	4	P	1	3	1	1	1	72	1	35	1	51	1	158
7	3	L	9	3	1	1	2	267	1	55	1	59	2	352
8	4	P	9	3	1	1	2	182	1	51	1	35	2	268
9	3	P	1	3	1	1	2	126	1	40	2	100	2	266
10	4	L	1	3	1	1	1	79	1	59	1	46	1	184
11	3	L	5	3	1	1	1	72	1	55	2	92	1	219
12	4	L	8	3	1	1	1	98	1	28	1	25	1	151
13	3	P	9	3	1	1	2	239	1	10	1	35	2	284
14	4	L	1	1	1	1	2	122	1	30	2	104	2	256
15	2	L	6	1	1	1	2	213	1	30	2	64	2	307
16	3	p	5	1	2	1	2	131	1	43	1	16	1	190
17	4	P	9	1	1	1	1	34	1	40	1	57	1	131
18	3	P	8	1	1	1	1	35	1	47	2	111	1	193
19	3	P	1	1	1	1	1	106	1	41	1	36	1	183
20	2	L	9	1	1	1	1	66	1	22	1	57	1	145
21	4	P	8	1	1	1	2	139	1	27	2	86	2	252
22	4	L	10	1	1	1	2	129	1	15	1	32	1	176
23	3	P	6	1	1	1	2	145	1	19	1	36	1	200
24	4	L	9	1	1	1	1	101	1	21	1	31	1	153
25	4	L	6	1	1	1	1	119	1	46	1	57	1	222

26	2	P	8	1	1	1	1	36	2	150	2	101	2	287
27	2	P	10	1	1	1	2	140	1	25	2	91	2	256
28	4	L	9	1	2	1	1	29	1	38	1	59	1	126
29	4	L	1	1	1	1	2	137	1	46	2	208	2	391
30	4	P	9	1	1	1	1	70	2	63	2	76	1	209
31	4	L	10	1	1	1	1	109	1	31	2	104	2	244
32	4	P	5	1	1	1	1	92	1	44	1	53	1	189
33	3	L	8	1	1	1	1	115	1	59	1	26	1	200
34	4	P	1	1	1	1	2	138	1	55	1	43	1	236
35	3	L	4	1	1	2	1	34	1	47	1	40	1	121
36	4	P	10	1	1	1	1	63	1	46	2	153	2	262
37	3	P	8	1	1	1	1	77	1	57	1	32	1	166
38	4	P	9	1	1	2	1	67	1	55	1	32	1	154
39	4	L	8	1	1	1	1	33	1	55	1	44	1	132
40	4	L	1	1	1	1	1	76	1	54	2	140	2	270
41	4	P	8	1	1	2	1	50	1	50	2	220	2	320
42	1	P	10	1	1	1	1	67	1	31	1	32	1	130
43	3	L	9	1	1	2	1	58	2	239	2	100	2	397
44	2	P	8	1	1	2	1	27	1	48	1	59	1	134
45	3	L	10	1	1	1	2	233	1	47	1	36	2	316
46	4	P	9	1	1	1	1	65	1	49	1	32	1	146
47	4	L	10	1	2	1	1	52	1	58	1	44	1	154
48	4	L	1	1	1	1	1	75	1	58	1	55	1	188
49	3	L	2	1	1	1	1	120	2	65	2	80	2	265
50	4	l	10	1	2	1	1	49	1	26	1	44	1	119
51	4	p	5	1	1	1	1	39	1	36	1	45	1	120
52	4	p	5	1	2	1	1	96	1	53	2	100	2	249
53	4	P	9	1	1	1	2	136	2	76	2	64	2	276

54	4	L	1	1	2	1	1	66	1	40	1	44	1	150
55	2	L	9	1	1	1	1	94	1	38	1	29	1	161
56	4	P	9	2	1	1	1	47	1	57	2	66	1	170
57	3	L	10	2	1	1	1	103	1	46	2	62	1	211
58	3	L	9	2	1	2	1	80	2	243	2	74	2	397
59	3	P	5	2	1	1	1	42	2	250	2	64	2	356
60	3	L	5	2	1	1	1	86	1	34	1	36	1	156
61	4	L	9	2	2	1	1	83	1	21	1	14	1	118
62	3	L	7	2	1	1	1	79	1	48	1	34	1	161
63	4	P	5	2	1	1	1	40	2	70	2	84	1	194
64	4	L	1	2	1	1	1	81	1	59	1	45	1	185
65	3	P	4	2	1	1	1	61	1	39	1	39	1	139
66	1	P	5	2	1	1	1	88	1	56	1	42	1	186
67	1	L	7	2	1	1	1	78	1	25	1	31	1	134
68	4	L	8	2	1	1	2	128	1	30	2	125	2	283
69	4	P	1	2	1	1	2	145	2	301	2	84	2	530
70	4	L	1	2	1	1	2	131	1	45	2	98	2	274
71	2	P	9	2	1	1	1	63	1	57	2	64	1	184
72	4	P	9	2	1	1	1	96	1	32	1	59	1	187
73	4	L	9	2	1	1	1	85	1	24	1	39	1	148
74	4	P	8	2	2	1	1	43	2	64	1	55	1	162
75	3	P	1	2	1	1	1	48	1	41	1	57	1	146
76	4	P	1	2	1	2	2	152	2	71	2	107	2	330
77	4	L	6	2	1	1	1	28	1	39	1	50	1	117
78	4	P	4	2	1	1	1	106	2	191	2	177	2	474
79	4	L	4	2	1	1	2	134	1	30	2	126	2	290
80	3	P	10	2	1	1	1	79	2	225	2	63	2	367
81	3	L	9	2	1	1	1	101	1	59	1	56	1	216

82	3	L	4	2	1	1	1	40	1	45	1	36	1	121
83	4	L	9	2	1	1	2	211	2	63	2	167	2	441
84	3	P	4	3	1	1	1	73	1	24	1	33	1	130
85	4	L	8	3	2	1	1	62	2	62	2	79	1	203
86	3	L	3	3	1	1	1	105	1	39	1	34	1	178
87	4	L	1	3	1	1	2	138	1	31	2	89	2	258
88	3	P	1	3	1	1	2	128	1	40	2	84	2	252
89	4	L	9	3	1	1	2	125	1	32	2	100	2	257

Notes:

Category	Code
Age	
18-24	1
25-44	2
45-59	3
>60	4
Diagnosis	
Nervous System Diseases	1
Hematologic and Immune Disorders	2
Infectious and Parasitic Diseases	3
Metabolic and Endocrine Disorders	4
Genitourinary Diseases	5
Skin and Subcutaneous Tissue Diseases	6
Musculoskeletal Disorders	7
Respiratory Diseases	8
Digestive System Diseases	9

Circulatory System Diseases	10
Mode of Arrival	
Direct	1
Referral	2
Health Insurance	
BPJS (Indonesian National Health Insurance)	1
General (Out-of-Pocket)	2
Time of Arrival	
Morning	1
Afternoon	2
Night	3
Time Frame 1	
Within Standard (≤ 120 minutes)	1
Exceeds Standard (> 120 minutes)	2
Time Frame 2	
Within Standard (≤ 60 minutes)	1
Exceeds Standard (> 60 minutes)	2
Time Frame 3	
Within Standard (≤ 60 minutes)	1
Exceeds Standard (> 60 minutes)	2
Length of Stay	
Within Standard (≤ 240 minutes)	1
Prolonged (> 240 minutes)	2

Appendix 10 Categorical Data in SPSS

Statistics

		UMUR	JK	DIAGNOSA	REGISTRASI	RUJUKAN	JAMKES
N	Valid	89	89	89	89	89	89
	Missing	0	0	0	0	0	0

UMUR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	18-24 Tahun	4	4.5	4.5	4.5
	25-44 Tahun	9	10.1	10.1	14.6
	45-59 Tahun	27	30.3	30.3	44.9
	>60 Tahun	49	55.1	55.1	100.0
	Total	89	100.0	100.0	

JK

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Laki-laki	48	53.9	53.9	53.9
	Perempuan	41	46.1	46.1	100.0
	Total	89	100.0	100.0	

REGISTRASI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	PAGI	42	47.2	47.2	47.2
	SORE	28	31.5	31.5	78.7
	MALAM	19	21.3	21.3	100.0
	Total	89	100.0	100.0	

RUJUKAN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	LANGSUNG	79	88.8	88.8	88.8
	RUJUKAN	10	11.2	11.2	100.0
	Total	89	100.0	100.0	

JAMKES

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	BPJS	82	92.1	92.1	92.1
	UMUM	7	7.9	7.9	100.0
	Total	89	100.0	100.0	

DIAGNOSA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	PENYAKIT SISTEM SARAF	20	22.5	22.5	22.5
	HEMATOLOGI DAN IMUNITAS	1	1.1	1.1	23.6
	INFEKSI DAN PENYAKIT PARASIT	2	2.2	2.2	25.8
	METABOLIK DAN ENDOKRIN	6	6.7	6.7	32.6
	PENYAKIT GENITOURINARIA	9	10.1	10.1	42.7
	PENYAKIT KULIT DAN JARINGAN SUB KUTAN	4	4.5	4.5	47.2
	PENYAKIT MUSKULOSKELETAL	2	2.2	2.2	49.4
	PENYAKIT RESPIRATORI	12	13.5	13.5	62.9
	PENYAKIT SISTEM PENCERNAAN	23	25.8	25.8	88.8
	PENYAKIT SISTEM SIKULASI	10	11.2	11.2	100.0
	Total	89	100.0	100.0	

Appendix 11 Independent and Dependent Variable Data in SPSS

		Statistics			
		ASSESMEN	REVIEW	TRANSFER	LOS
N	Valid	89	89	89	89
	Missing	0	0	0	0
Mean		94.98	57.79	67.17	219.61
Std. Error of Mean		5.173	5.669	4.266	9.158
Median		86.00	46.00	57.00	193.00
Mode		79	55	32 ^a	184
Std. Deviation		48.802	53.483	40.246	86.394
Variance		2381.681	2860.443	1619.733	7463.900
Skewness		1.211	3.086	1.655	1.277
Std. Error of Skewness		.255	.255	.255	.255
Range		240	291	206	413
Minimum		27	10	14	117
Maximum		267	301	220	530
Sum		8453	5143	5978	19545

a. Multiple modes exist. The smallest value is shown

		Statistics			
		TRIAGE	ASSESMEN	LAB	RADIOLOGI
N	Valid	89	89	89	89
	Missing	0	0	0	0
Mean		4.06	17.24	52.78	53.40
Std. Error of Mean		.068	.325	4.938	3.047
Median		4.00	19.00	36.00	49.00
Mode		4	20	27	49
Std. Deviation		.646	3.068	46.586	28.742
Variance		.417	9.410	2170.267	826.107
Skewness		-.052	-.711	1.951	1.592
Std. Error of Skewness		.255	.255	.255	.255
Range		2	12	229	178
Minimum		3	10	9	12
Maximum		5	22	238	190
Sum		361	1534	4697	4753

Statistics

		REGIS	TRANSFER
N	Valid	89	89
	Missing	0	0
Mean		10.54	56.63
Std. Error of Mean		.437	4.214
Median		9.00	46.00
Mode		9	26 ^a
Std. Deviation		4.126	39.754
Variance		17.024	1580.350
Skewness		.794	1.640
Std. Error of Skewness		.255	.255
Range		20	196
Minimum		4	8
Maximum		24	204
Sum		938	5040

a. Multiple modes exist. The smallest value is shown

Statistics

		KONSUL	DISPOSISI
N	Valid	89	89
	Missing	0	0
Mean		43.42	14.37
Std. Error of Mean		5.412	.962
Median		31.00	13.00
Mode		38	11
Std. Deviation		51.055	9.072
Variance		2606.564	82.304
Skewness		3.197	3.957
Std. Error of Skewness		.255	.255
Range		260	74
Minimum		5	2
Maximum		265	76
Sum		3864	1279

Appendix 12 Spearman Correlation Test Results

		Correlations				
			TIME FRAME 1	TIME FRAME 2	TIME FRAME 3	LOS IGD
Spearman's rho	TIME FRAME 1	Correlation Coefficient	1.000	-.003	.309**	.600**
		Sig. (2-tailed)	.	.977	.003	<,.001
		N	89	89	89	89
	TIME FRAME 2	Correlation Coefficient	-.003	1.000	.473**	.351**
		Sig. (2-tailed)	.977	.	<,.001	<,.001
		N	89	89	89	89
	TIME FRAME 3	Correlation Coefficient	.309**	.473**	1.000	.698**
		Sig. (2-tailed)	.003	<,.001	.	<,.001
		N	89	89	89	89
	LOS IGD	Correlation Coefficient	.600**	.351**	.698**	1.000
		Sig. (2-tailed)	<,.001	<,.001	<,.001	.
		N	89	89	89	89

** . Correlation is significant at the 0.01 level (2-tailed).

Appendix 13 SPSS Crosstabulation Data

WAKTU ASSESMENT

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	<= 120 MENIT	65	73.0	73.0	73.0
	> 120 MENIT	24	27.0	27.0	100.0
Total		89	100.0	100.0	

WAKTU REVIEW/KONSULTASI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	<= 60 MENIT	74	83.1	83.1	83.1
	> 60 MENIT	15	16.9	16.9	100.0
Total		89	100.0	100.0	

WAKTU TRANSFER

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	<= 60 MENIT	52	58.4	58.4	58.4
	>60 MENIT	37	41.6	41.6	100.0
Total		89	100.0	100.0	

LOS IGD

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	<= 240 MENIT	57	64.0	64.0	64.0
	>240 MENIT	32	36.0	36.0	100.0
Total		89	100.0	100.0	

WAKTU TRANSFER * LOS IGD Crosstabulation

			LOS IGD		Total
			<= 240 MENIT	>240 MENIT	
WAKTU TRANSFER	<= 60 MENIT	Count	48	4	52
		% within WAKTU TRANSFER	92.3%	7.7%	100.0%
	>60 MENIT	Count	9	28	37
		% within WAKTU TRANSFER	24.3%	75.7%	100.0%
Total	Count	57	32	89	
	% within WAKTU TRANSFER	64.0%	36.0%	100.0%	

WAKTU ASSESMENT * LOS IGD Crosstabulation

			LOS IGD		Total
			<= 240 MENIT	>240 MENIT	
WAKTU ASSESMENT	<= 120 MENIT	Count	53	12	65
		% within WAKTU ASSESMENT	81.5%	18.5%	100.0%
	> 120 MENIT	Count	4	20	24
		% within WAKTU ASSESMENT	16.7%	83.3%	100.0%
Total	Count	57	32	89	
	% within WAKTU ASSESMENT	64.0%	36.0%	100.0%	

WAKTU REVIEW/KONSULTASI * LOS IGD Crosstabulation

			LOS IGD		Total
			<= 240 MENIT	>240 MENIT	
WAKTU REVIEW/KONSULTASI	<= 60 MENIT	Count	53	21	74
		% within WAKTU REVIEW/KONSULTASI	71.6%	28.4%	100.0%
	> 60 MENIT	Count	4	11	15
		% within WAKTU REVIEW/KONSULTASI	26.7%	73.3%	100.0%
Total	Count	57	32	89	
	% within WAKTU REVIEW/KONSULTASI	64.0%	36.0%	100.0%	

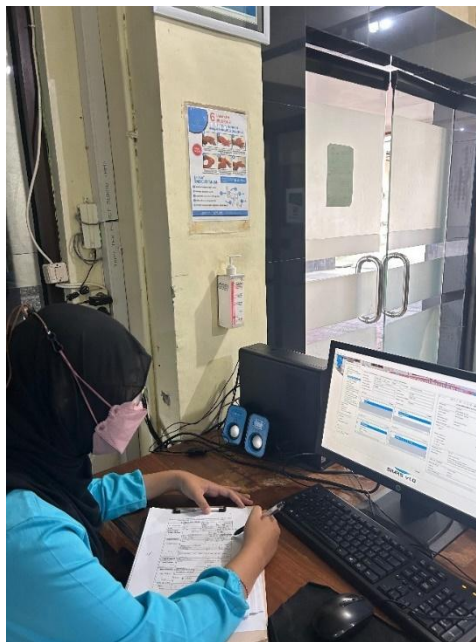
Appendix 14 Research Documentation



Conducting an Observation of Length of Stay (LOS) for Non-Trauma Category P2 Patients in the Emergency Department (ED)



Recording the Time of Supporting Examination Results Appearance



Cross-checking data in the respondent's medical records

The image above is a sample of the documentation taken during the researcher's observation of the Length of Stay (LOS) of non-trauma category P2 patients using the *Time Frame Guide Emergency Model of Care* approach in the Emergency Department (ED) of Ngudi Waluyo Wlingi Regional General Hospital during the period of June 2025.

Appendix 15 Plagiarism Similarity Report

