

ATTACHMENT

Attachment 1 Plan of Action

PLAN OF ACTION FOR THESIS PREPARATION ACTIVITIES

No	Activity	2025																			
		January				February				March				April				May			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1.	Thesis Title Proposal																				
2.	Title Revision																				
3.	Title Acception																				
4.	Proposal Guidance and Preparation																				
5.	Thesis Proposal Seminar Examination																				
6.	Research Permit																				
7.	Data Collection																				
8.	Guidance and Result Preparation																				
9.	Thesis Defense																				

Attachment 2 Information Sheet

**RESEARCH INFORMATION SHEET
FOR RESPONDENTS**

1. Research Title

Analysis of Factors Influencing Chemotherapy Treatment Adherence in Patients with Breast Cancer (ca mammae)

2. Purpose

a. General Purpose

To analyze the factors related to chemotherapy treatment adherence in patients with breast cancer

b. Special Purpose

- 1.) Identify factors: physical, role, psychological, social, economic, and cognitive
- 2.) Identify patient compliance in undergoing chemotherapy treatment
- 3.) Analyze the relationship between quality of life which includes factors: physical, role, psychological, social, economic, and cognitive influencing compliance with chemotherapy treatment in breast cancer patients
- 4.) Analyze which factors most affect compliance with chemotherapy treatment in patients with breast cancer

3. Treatment

This research will be carried out by providing a questionnaire containing 8 questions about compliance and 72 questions about factors that can affect compliance.

4. Benefit

Increase insight into the factors that affect the adherence of breast cancer patients in undergoing chemotherapy treatment.

5. Ethics

This research does not contradict the applicable laws and norms. The rights and confidentiality of the respondents will be guaranteed in this study.

6. Right of Withdrawal

Respondents have the right to withdraw from participation in this study if there are things that are detrimental to the respondent.

7. Incentive

The respondent's participation is a form of voluntariness without any coercion, as a form of gratitude for participation, the researcher provides a reward and there is no guarantee of any insurance.

8. Informed Consent

If the respondent can understand and is willing to participate in this study, they can sign the attached informed consent sheet.

Attachment 3 Informed Consent

STATEMENT OF WILLINGNESS TO BE A RESPONDENT***(INFORMED CONSENT)***

I am the undersigned:

Name :

Age :

Gender :

Address :

Job :

Hereby declares that he is willing to be a respondent in the research of Mr. Bima Ariyu Putra Anggutar entitled "**Analysis of Factors Affecting Chemotherapy Treatment Adherence in Patients with Breast Cancer (ca mammae)**".

I realized that this research would not have a negative effect on me, so the answer I gave was the truth and would be kept secret

Malang

Respondents

()

Attachment 4 European Organization for Research and Treatment of Cancer
Quality of Life Questionnaire (EORTC QLQ-C30) Questionnaire

Date :

Now

	Not at all	Little	Enough	Very
1. Do you have trouble doing strenuous activities such as lifting heavy items (lifting heavy grocery bags or suitcases)?	1	2	3	4
2. Do you find it difficult to walk long distances?	1	2	3	4
3. Do you find it difficult to walk close to the outside of the house?	1	2	3	4
4. Do you need to be on a bed or in a chair during the day?	1	2	3	4
5. Do you need help while eating, dressing, bathing, or using the toilet (toilet, latrine, washroom)?	1	2	3	4

A week ago

	Not at all	Little	Enough	Very
6. Do you feel limitations when doing your work or daily activities?	1	2	3	4
7. Do you feel limitations when doing hobbies or other activities in your free time?	1	2	3	4
8. Do you find it difficult to breathe?	1	2	3	4
9. Do you feel pain (pain)?	1	2	3	4
10. Do you need a break?	1	2	3	4
11. Do you find it difficult to sleep?	1	2	3	4
12. Do you feel lethargic?	1	2	3	4
13. Do you feel a lack of appetite?	1	2	3	4
14. Do you feel nauseous?	1	2	3	4
15. Do you vomit?	1	2	3	4
16. Do you have trouble defecating?	1	2	3	4

- | | | | | |
|---|---|---|---|---|
| 17. Are you squeezing | 1 | 2 | 3 | 4 |
| 18. Do you feel tired | 1 | 2 | 3 | 4 |
| 19. Does the pain (pain) interfere with your daily activities? | 1 | 2 | 3 | 4 |
| 20. Do you find it difficult to concentrate on something, such as reading the newspaper or watching television | 1 | 2 | 3 | 4 |
| 21. Do you feel tense? | 1 | 2 | 3 | 4 |
| 22. Are you worried? | 1 | 2 | 3 | 4 |
| 23. Do you find it irritable? | 1 | 2 | 3 | 4 |
| 24. Do you feel depressed (inner stress)? | 1 | 2 | 3 | 4 |
| 25. Do you find it difficult to remember something? | 1 | 2 | 3 | 4 |
| 26. Is your body condition or the medical treatment you are currently undergoing interfering with life in your family? | 1 | 2 | 3 | 4 |
| 27. Does your physical condition or the medical treatment you are undergoing interfere with your activities (such as socializing in the community and activities in the community)? | 1 | 2 | 3 | 4 |
| 28. Is your current physical condition or medical treatment causing financial difficulties? | 1 | 2 | 3 | 4 |

For the next question, please circle one of the numbers between 1 and 7 that corresponds to your situation

29. How did you assess your overall health a week ago?
- | | | | | | | |
|----------|---|---|---|---|---|-----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Very bad | | | | | | Very good |
30. How would you rate your overall quality of life (general well-being) a week ago?
- | | | | | | | |
|----------|---|---|---|---|---|-----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Very bad | | | | | | Very good |

Attachment 5 Scoring European Organization for Research and Treatment of Cancer Quality of Life Questionnaire (EORTC QLQ-C30)

The QLQ – C30 consists of a multi-item scale and a single item size that includes five function scales, three symptom scales, one quality of life scale, and six single items. Each multi-item scale is made up of different sets of items and no single item appears on more than one scale.

All scale and single sizes have a score range from 0 – 100. A high scale score indicates a higher response rate.

1. A high score on the function scale indicates a high/healthy level of function.
2. A high score on quality of life indicates a high quality of life.
3. A high score on the symptom scale/item indicates a high level of symptoms/problems.

The assessment principles for all scales are as follows:

1. Calculate the average of the items that contribute to the scale referred to as the *raw score*.
2. Use linear transformations to standardize the raw score so that the score is in the range of 0 – 100. A higher score indicates a higher level of function ("better") or a higher level of symptoms ("worse").

Raw score formula :

$$RawScore = RS = (I1 + I2 + \dots + In)/n$$

Linear transformation:

Apply linear transformations to the range of 0 – 100 to get an S score:

1. Scale function

$$S = \{(RS - 1)/Range\} \times 100$$

2. Symptom scale

$$S = \{(RS - 1)/Range\} \times 100$$

3. Global health scale/quality of life

$$S = \{(RS - 1)/Range\} \times 100$$

The range is the difference between the maximum and minimum possible values of the RS. Most items are scored 1 to 4, so range = 3. However, the exception is on the global health/quality of life item which is a question with 7 points and has a range = 6.

	Scale	Number of Questions	Range	Inquiry Number	Scale Function
Global Health Status/Quality of Life					
Global health status/quality of life	QL2	2	6	29 and 30	
Scale Function					
Physical function	PF2	5	3	1 – 5	F
Role functions	RF2	2	3	6 and 7	F
Emotional function	EF	4	3	21 – 24	F
Cognitive function	CF	2	3	20 and 25	F
Social function	SF	2	3	26 and 27	F
Symptom Scale / Single Value					
Fatigue	FA	3	3	10, 12, and 18	
Nausea and vomiting	NV	2	3	14 and 15	
Pain	PA	2	3	9 and 19	
Shortness of breath	DY	1	3	8	
Difficulty sleeping	SL	1	3	11	
Loss of appetite	AP	1	3	13	
Constipation	CO.	1	3	16	
Diarrhea	AT	1	3	17	
Financial problems	FI	1	3	28	

For all scales, *RawScore* or RS is the middle value of the components with the formula : $RawScore = RS = (I1 + I2 + \dots + In) / n$

1. **Functional Scale :**

$$Score = \left\{ 1 - \frac{(RS-1)}{range} \right\} \times 100$$

2. **Symptom Scale/Single Item and Global Health Status/Quality of Life :**

$$\text{Score} = \left\{ \frac{(RS-1)}{\text{range}} \right\} \times 100$$

Example :

Emotional Function : $RawScore = (Q_{21} + Q_{22} + Q_{23} + Q_{24})/4$
 $EF \text{ Score} = \{1 - (RawScore - 1)/3\} \times 100$

Fatigue : $RawScore = (Q_{10} + Q_{12} + Q_{18})/3$
 $FA \text{ Score} = \{RawScore - 1\}/3 \times 100$

3. Lost Data

It is data that respondents do not answer. Example:

Emotional Function if Q_{23} is not answered:

$$RawScore = (Q_{21} + Q_{22} + Q_{24})/3$$

$$EF \text{ Score} = \{1 - (RawScore - 1)/3\} \times 100$$

Attachment 6 European Organization for Research and Treatment of Cancer
Quality of Life Questionnaire - Breast Cancer Module 42 (EORTC
QLQ - BR42) Questionnaire

A week ago

	Not same very	Little	Enough	Very
31. Do you experience dry mouth?	1	2	3	4
32. Do your food and drinks taste different than usual?	1	2	3	4
33. Are your eyes sore, irritated or watery?	1	2	3	4
34. Are you losing hair?	1	2	3	4
35. Answer this question only if you have lost hair: Have you ever been upset about your hair loss?	1	2	3	4
36. Have you ever felt sick or unwell?	1	2	3	4
37. Have you ever experienced a burning sensation in the face, neck, or chest area?	1	2	3	4
38. Have you ever had a headache?	1	2	3	4
39. Do you feel less physically attractive as a result of your illness or medication?	1	2	3	4
40. Have you ever felt less feminine as a result of your illness or treatment?	1	2	3	4
41. Have you ever had trouble seeing yourself naked?	1	2	3	4
42. Are you dissatisfied with your body?	1	2	3	4
43. Are you worried about your health in the future?	1	2	3	4

Over the past four weeks

	Not at all	Little	Enough	Very	Not valid
44. Are you interested in having sex with your partner?	1	2	3	4	N/A
45. Are you sexually active (with or without sexual intercourse)?	1	2	3	4	N/A

46.	Is sexual intercourse pleasurable to you?	1	2	3	4	N/A
A week ago						
		Not At all	Little	Enough	Very	
47.	Do you experience pain in your arm or shoulder?	1	2	3	4	
48.	Have you ever experienced swelling in your arms or hands?	1	2	3	4	
49.	Have you ever had trouble lifting your arm or moving it to the side?	1	2	3	4	
50.	Do you experience pain in the affected area of the breast?	1	2	3	4	
51.	Have the affected areas of your breasts ever swelled?	1	2	3	4	
52.	Is the affected area of your breasts too sensitive?	1	2	3	4	
53.	Have you ever experienced skin problems on or in the affected area of your breasts (e.g. itchy, dry, scaly)?	1	2	3	4	
54.	Do you sweat excessively?	1	2	3	4	
55.	Have you ever experienced a mood swing?	1	2	3	4	
56.	Are you dizzy?	1	2	3	4	
57.	Have you ever experienced pain in your mouth?	1	2	3	4	
58.	Does your mouth experience redness?	1	2	3	4	
59.	Have you ever experienced pain in your hands or feet?	1	2	3	4	
60.	Do you experience redness in your hands or feet?	1	2	3	4	
61.	Have you ever experienced tingling in your fingers or toes?	1	2	3	4	
62.	Have you ever experienced numbness in your fingers or toes?	1	2	3	4	
63.	Do you have problems with joints?	1	2	3	4	
64.	Do you experience stiffness in your joints?	1	2	3	4	

65.	Have you ever experienced joint pain?	1	2	3	4
66.	Have you ever experienced pain or pain in your bones?	1	2	3	4
67.	Are you gaining weight?	1	2	3	4

Over the past four weeks

	Not At all	Little	Enough	Very	
68.	Have you ever experienced discomfort in your pubic area?	1	2	3	4

Please answer the following two questions only if you have ever been sexually active

	Not At all	Little	Enough	Very	
69.	Have you ever experienced pain in your pubic area during sexual activity?	1	2	3	4
70.	Have you ever experienced the genital area becoming dry during sexual activity?	1	2	3	4

Last week

	Not at all	Little	Enough	Very	Not valid	
71.	Are you satisfied with the results of the surgery?	1	2	3	4	N/A
72.	Are you satisfied with the appearance of the skin on your affected breasts?	1	2	3	4	N/A

Attachment 7 Scoring Questionnaire European Organization for Research and Treatment of Cancer Quality of Life Questionnaire - Breast Cancer Module 42 (EORTC QLQ - BR42)

	Functional or Symptomatic	Quantity (n)	Range	Inquiry Number	Reverse Scoring Item
Multi-Item Scale					
Side Effects of Systemic Chemotherapy	Symptom	8	3	^A 31 – 36, 57, and 58	
Endocrine Symptoms	Symptom	5	3	37, 38, and 54 – 56	
Body Image	Functional	4	3	39 – 42	
Sexual Function	Functional	2	3	44 and 45	44 and 45
Arm Symptoms	Symptom	3	3	47 – 49	
Breast Symptoms	Symptom	4	3	50 – 53	
Hand/Foot Symptoms/Neuropathy	Symptom	4	3	59 – 62	
Skeletal Scale	Symptom	4	3	63 – 66	
Vaginal Symptoms	Symptom	3	3	^c 68 – 70	
Satisfaction With Breasts	Functional	2	3	^b 71 and 72	71 and 72
Single Item					
Future Perspectives	Functional	1	3	43	
Sexual Pleasure	Functional	1	3	^b 46	46
Weight Gain	Symptom	1	3	67	

Note:

- Item range is the difference between the maximum and minimum values that exist on each item. All items are scored from 1 – 4, so the item range is 3
- ^a Item number 35 is conditional and can only be assessed if the answer to question number 34 "Are you losing hair?" is "A little", "Quite a lot" or "Very much"
- ^b Items number 46, 71 and 72 are conditional questions and can only be assessed when relevant. In addition, item number 46 can only be graded if the answer to

question number 45 "Are you sexually active (with or without sexual intercourse)?" is "A little", "Quite a lot", or "Very much".

- ^c Items numbers 69 and 70 are conditional and can only be assessed if the answer to question number 45 "Are you sexually active (with or without sexual intercourse)?" is "Somewhat", "Quite a lot", or "Very much".

1. Raw Score

$$RawScore = RS = (I1 + I2 + \dots + In)/n$$

2. Linear Transformation

Functional Scale :

$$Score = \left\{ 1 - \frac{(RS-1)}{range} \right\} \times 100$$

Symptom Scale :

$$Score = \left\{ \frac{(RS-1)}{range} \right\} \times 100$$

Attachment 8 Morisky Medication Adherence Scale – 8 (MMAS – 8)
Questionnaire

Instructions for filling out the questionnaire :

1. Research the questions on the items below carefully.
2. Choose the answer that you think fits in the circle on the Yes/No answer.

No.	Question	Answer
1.	Do you sometimes forget to take your medications?	Yes/No
2.	People sometimes don't take medication/medication for reasons other than forgetfulness. If you think back to the last two weeks, was there a day where you didn't have medication/medication?	Yes/No
3.	Have you ever reduced or stopped taking medication/taking medication without telling your doctor because you felt worse when taking it?	Yes/No
4.	When you travel or leave home, do you sometimes forget to bring your medicine?	Yes/No
5.	Have you previously undergone medication/medication as scheduled?	Yes/No
6.	When you feel your symptoms are under control, do you sometimes stop taking medication?	Yes/No
7.	Taking medication every day is indeed a hassle for some people. Have you ever felt bothered following your treatment plan?	Yes/No
8.	Are you having trouble remembering to have your medications/take all of your medications?	Yes/No

Scoring :

1. Questions 1, 2, 3, 4, 6, 7 and 8 have a value of 0 for the answer "Yes", and a value of 1 for the answer "No"
2. Question number 5 has a value of 1 for the "Yes" answer and a value of 0 for the "No" answer

Category:

1. Low compliance : <6
2. Moderate compliance : 6 - <8
3. High compliance : 8

Attachment 9 EORTC Questionnaire Calculation

No.	Factor	Raw Score	Linear Transformation
1.	Physical Factor	$236/59 = 4$	Score: $\{(Raw\ score - 1/Range) \times 100\}$ $= \{(4 - 1/3) \times 100\}$ $= 100$
2.	Role Factor	$8/2 = 4$	Score: $\{(Raw\ score - 1/Range) \times 100\}$ $= \{(4 - 1/3) \times 100\}$ $= 100$
3.	Psychological Factor	$56/14 = 4$	Score: $\{(Raw\ score - 1/Range) \times 100\}$ $= \{(4 - 1/3) \times 100\}$ $= 100$
4.	Social Factor	$8/2 = 4$	Score: $\{(Raw\ score - 1/Range) \times 100\}$ $= \{(4 - 1/3) \times 100\}$ $= 100$
5.	Economy Factor	$4/1 = 4$	Score: $\{(Raw\ score - 1/Range) \times 100\}$ $= \{(4 - 1/3) \times 100\}$ $= 100$
6.	Cognitive	$8/2 = 4$	Score: $\{(Raw\ score - 1/Range) \times 100\}$ $= \{(4 - 1/3) \times 100\}$ $= 100$

Attachment 10 Letter of Request for Data Collection Permission



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/2303/2025 19 Mei 2025
 Hal : Permohonan Ijin Pengambilan Data untuk Penyusunan Skripsi Mahasiswa
 Jurusan Keperawatan Poltekkes Kemenkes Malang

Kepada Yth:
 Direktur RS IHC Lavalette Malang
 Jl. W.R. Supratman No. 10, Rampal Celaket, Kec. Klojen
 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 RS IHC Lavalette Malang. Pengambilan data yang dimaksud akan dilaksanakan mulai tanggal 22 Mei – 06 Juni 2025.

Adapun mahasiswa yang akan melaksanakan Pengambilan Data adalah:

Nama : Bima Ariyu Putra Anggutar
 NIM/Semester : P17211217137 / VIII
 Asal Program Studi : Sarjana Terapan Keperawatan Malang
 Judul Skripsi : Analisa Faktor Yang Memengaruhi Kepatuhan Pengobatan Kemoterapi Pada Pasien Kanker Payudara (ca mammae)
Analysis of Factors Influencing Chemotherapy Treatment Adherence in Patients with Breasts Cancer (ca mammae)
 No. HP : 081935668651

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



Attachment 11 Ethical Clearance Letter



Kementerian Kesehatan

Direktorat Jenderal
Sumber Daya Manusia Kesehatan
Politeknik Kesehatan Malang
Komisi Etik Penelitian Kesehatan
Jalan Besar Ijen Nomor 77 C Malang
(0341) 566075
komisietik@poltekkes-malang.ac.id

KETERANGAN LAYAK ETIK
DESCRIPTION OF ETHICAL APPROVAL
"ETHICAL APPROVAL"

No.DP.04.03/F.XXI.30/00461/2025

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

Peneliti utama : Bima Ariyu Putra Anggutar
Principal In Investigator

Nama Institusi : Poltekkes Kemenkes Malang
Name of the Institution

Dengan judul:
Title

"ANALISIS FAKTOR – FAKTOR YANG MEMENGARUHI KEPATUHAN PENGOBATAN KEMOTERAPI PADA PASIEN KANKER PAYUDARA (CA MAMMAE)"

"ANALYSIS OF FACTORS INFLUENCING CHEMOTHERAPY TREATMENT ADHERENCE IN PATIENTS WITH BREAST CANCER (CA MAMMAE)"

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 12 Letter of Authorization for Data Collection



Jl. WR. Supratman No. 10 Kota Malang
 Jawa Timur Indonesia 65111
 E : rslavalette.nsm@gmail.com
 T : +62341-482612
 F : +62341-470804
www.nusamed.co.id

Malang, 25 Mei 2025

Nomor Surat : DA01-INSIP-BB/P-B/25-05-25/487
 Perihal : Persetujuan Penelitian
 Lampiran : -

Kepada Yth,
Ketua
Prodi Sarjana Terapan Keperawatan
Jurusan Keperawatan
Poltekkes Kemenkes Malang
 Jl. Besar Ijen No. 77 C Malang

Menindaklanjuti Surat dari Ketua Jurusan Keperawatan Poltekkes Kemenkes Malang nomor PP.06.02/F.XIII/2303/2025 tentang Surat Permohonan Ijin Penelitian tanggal 19 Mei 2025. Bersama ini kami sampaikan bahwa pada dasarnya kami menyetujui permohonan tersebut yang dilakukan oleh Mahasiswa Poltekkes Kemenkes Malang, sebagai berikut :

Nama : Bima Ariyu Putra Anggutar
 NIM/Semester: P17211217137 / VIII
 Asal Prodi : Sarjana Terapan Keperawatan Malang
 Judul : Analisa Faktor Yang Memengaruhi Kepatuhan Pengobatan Kemoterapi Pada Pasien Kanker Payudara (ca mammae).

Adapun pengambilan data dapat dilaksanakan dengan ketentuan, sebagai berikut :

1. Tidak diperkenankan mengambil data keuangan / kinerja Rumah Sakit Lavalette;
2. Setelah selesai pengambilan data, diwajibkan menyerahkan laporan hasil penelitian kepada Rumah Sakit Lavalette, paling lambat 1 (satu) bulan setelah selesai;
3. Membayar biaya administrasi untuk Penelitian sebesar Rp. 250.000,- (duaratus lima puluh ribu rupiah);
4. Sanggup mematuhi tata tertib yang berlaku di Rumah Sakit Lavalette, apabila terjadi indisipliner maka mahasiswa dapat dikembalikan ke Kampus dan tidak diperkenankan melanjutkan pengambilan data penelitian;
5. Wajib menerapkan protokol kesehatan.

Demikian atas perhatian dan kerjasamanya kami sampaikan terima kasih.

PT NUSANTARA SEBELAS MEDIKA
RUMAH SAKIT LAVALETTE



drg. INDRA GUNAWAN, M.Kes., QHIA
 Direktur Rumah Sakit

PT Nusantara Sebelas Medika tidak menerima suap dan/atau gratifikasi dalam bentuk apapun. Jika terdapat potensi suap/gratifikasi/bentuk pelanggaran lainnya silahkan laporkan melalui **Media WBS PT Nusantara Sebelas Medika**
 No. Telepon (Whatsapp) : 081138000556, Email : wbs@nusamed.go.id

Attachment 13 Statement Letter of Data Collection Completion



Malang, 12 Juni 2025

Nomor Surat : DA01-INSIP-BB/P-B/25-06-12/490
 Perihal : Selesai Pengambilan Data Penelitian
 Lampiran : -

Kepada Yth,
Ketua
Prodi Sarjana Terapan Keperawatan
Jurusan Keperawatan
Poltekkes Kemenkes Malang
 Jl. Besar Ijen No. 77 C Malang

Jl. WR. Supratman No. 10 Kota Malang
 Jawa Timur Indonesia 65111
 E : rslavalette.nsm@gmail.com
 T : +62341-482612
 F : +62341-470804
www.nusamed.co.id

Menindaklanjuti Surat dari Ketua Jurusan Keperawatan Poltekkes Kemenkes Malang nomor PP.06.02/F.XIII/2303/2025 tentang Surat Permohonan Ijin Penelitian tanggal 19 Mei 2025 dan meneruskan surat dari Direktur Rumah Sakit Lavalette nomor DA01-INSIP-BB/P-B/25-05-25/487 perihal persetujuan penelitian tanggal 25 Mei 2025. Bersama ini kami sampaikan bahwa Mahasiswa Poltekkes Kemenkes Malang berikut telah melaksanakan pengambilan data penelitian pada 26 Mei - 6 Juni 2025, sebagai berikut :

Nama : Bima Ariyu Putra Anggutar
 NIM/Semester: P17211217137 / VIII
 Asal Prodi : Sarjanan Terapan Keperawatan Malang
 Judul : Analisa Faktor Yang Memengaruhi Kepatuhan Pengobatan Kemoterapi Pada Pasien Kanker Payudara (ca mammae).

Demikian atas perhatian dan kerjasamanya kami sampaikan terima kasih.

PT NUSANTARA SEBELAS MEDIKA
RUMAH SAKIT LAVALETTE



drg. INDRA GUNAWAN, M.Kes
 Direktur Rumah Sakit

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 No. Telepon (Whatsapp) :081138000556, Email : wbs@nusamed.go.id

Attachment 14 Data Tabulation

Kepatuhan	Faktor Fisil	Faktor Per	Faktor Psik	Faktor Sos	Faktor Eko	Faktor Kog	Kualitas Hi	KEPATUHA	Usia	Jenis Kelar	Tingkat Pe	Rfaktor	Nfaktor	RAN001	NTI001
1	42	77	73	100	0	17	308,95	1	3	2	2	33,500	3	35,500	3
1	39	67	78	50	67	50	350,74	0	4	2	1	37,000	3	33,500	3
3	45	55	51	100	50	0	300,65	0	3	2	1	18,500	2	25,000	3
2	31	85	83	33	100	100	432,47	1	3	2	3	38,000	4	39,000	4
3	45	67	70	0	0	0	181,70	1	3	2	4	31,000	3	29,000	3
1	46	53	49	50	67	50	314,61	0	2	2	3	16,500	2	22,500	2
2	33	43	46	50	100	100	371,72	0	4	2	2	12,000	1	17,000	2
2	50	29	26	0	100	0	205,10	0	4	2	4	4,000	1	5,000	1
1	43	67	97	33	67	17	324,15	1	1	2	4	49,000	4	46,000	4
3	38	76	17	33	33	17	213,90	1	3	2	4	31,000	3	33,500	3
2	42	45	58	67	0	0	211,66	0	4	2	3	24,000	2	19,000	2
3	37	71	69	0	67	33	276,72	0	2	2	3	29,000	3	32,000	3
2	43	44	52	17	0	50	205,39	1	4	2	3	20,000	2	18,000	2
1	44	88	85	0	67	0	284,17	0	2	2	4	40,000	4	41,500	4
2	32	27	43	0	0	0	102,44	0	3	2	4	9,000	1	4,000	1
3	31	77	70	67	33	17	294,51	1	3	2	4	31,000	3	35,500	3
2	58	53	66	33	33	33	276,98	0	3	2	4	27,000	3	22,500	2
3	44	38	24	50	100	17	273,09	0	2	2	4	3,000	1	13,000	2
2	30	68	74	0	0	0	171,77	1	3	2	4	35,000	3	30,000	3
1	28	77	86	67	67	17	340,91	1	3	2	4	41,000	4	46,000	4
2	56	20	16	50	67	0	209,10	0	4	2	4	1,000	1	1,500	1
3	45	65	76	0	0	67	253,49	1	2	2	4	36,000	3	27,500	3
2	47	39	35	17	33	0	170,59	0	3	2	1	8,000	1	14,500	2
3	37	36	56	0	0	33	162,16	0	3	2	4	22,500	2	11,000	1
2	40	88	84	33	0	17	262,43	1	4	2	4	39,000	4	41,500	4
2	35	90	96	17	67	50	354,33	1	3	2	4	47,000	4	43,000	4
3	46	37	34	50	0	33	199,94	1	4	2	3	7,000	1	12,000	1
2	47	20	46	0	67	67	246,35	0	1	2	3	12,000	1	1,500	1
2	51	52	48	0	67	67	284,12	0	4	2	4	15,000	2	20,500	2
3	45	87	90	0	0	0	221,89	1	2	2	4	45,000	4	40,000	4
3	38	52	47	0	0	0	137,09	0	4	2	4	14,000	2	20,500	2
2	38	94	96	50	33	0	311,10	1	4	2	4	47,000	4	48,500	4
3	44	21	18	100	100	33	316,18	0	4	2	4	2,000	1	3,000	1
2	46	30	46	17	33	33	205,11	0	3	2	4	12,000	1	6,000	1
3	51	91	88	0	0	0	230,29	1	4	2	4	43,000	4	44,000	4
2	42	32	28	0	0	17	118,77	0	4	2	4	5,000	1	8,000	1
2	33	64	67	17	0	0	180,67	1	4	2	4	28,000	3	26,000	3
3	34	70	65	17	0	33	219,23	1	3	2	4	26,000	3	31,000	3
1	39	94	96	33	100	0	362,37	1	2	2	4	47,000	4	48,500	4
3	28	54	51	0	33	0	166,06	0	2	2	4	18,500	2	24,000	2
2	34	40	45	0	0	0	119,39	0	4	2	4	10,000	1	16,000	2
1	27	93	87	0	0	33	240,52	1	2	2	4	42,000	4	46,000	4
2	47	35	49	33	33	50	248,16	0	3	2	4	16,500	2	10,000	1
3	45	65	61	0	0	0	171,44	1	3	2	3	25,000	3	27,500	3
2	26	31	53	33	33	83	260,36	0	2	2	4	21,000	2	7,000	1
1	52	39	33	33	0	17	173,93	0	3	2	4	6,000	1	14,500	2
2	59	33	56	33	33	17	231,47	1	3	2	4	22,500	2	9,000	1
1	29	79	73	0	0	0	181,14	1	5	2	4	33,500	3	37,000	3
3	41	83	67	33	100	33	357,87	1	3	2	4	44,000	4	38,000	4

Attachment 15 Demographic Characteristics of Respondents

1. Respondents Characteristics Based on Age

Usia

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	25-44 Tahun	8	16.3	16.3	16.3
	45-64 Tahun	39	79.6	79.6	95.9
	>65 Tahun	2	4.1	4.1	100.0
	Total	49	100.0	100.0	

2. Respondents Characteristics Based on Level of Education

Tingkat Pendidikan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	SD	3	6.1	6.1	6.1
	SMP	2	4.1	4.1	10.2
	SMA/SMK	8	16.3	16.3	26.5
	Perguruan Tinggi	36	73.5	73.5	100.0
	Total	49	100.0	100.0	

3. Respondents Characteristics Based on Adherence in Undergoing Chemotherapy

Kepatuhan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak Patuh	10	20.4	20.4	20.4
	Patuh Sedang	22	44.9	44.9	65.3
	Patuh	17	34.7	34.7	100.0
	Total	49	100.0	100.0	

Attachment 16 SPSS Test Results

1. Distribution of Analysis of Factors Influencing Adherence to Chemotherapy Treatment

		Statistics						
		Faktor Fisik	Faktor Peran	Faktor Psikologis	Faktor Sosial	Faktor Ekonomi	Faktor Kognitif	Kualitas Hidup
N	Valid	49	49	49	49	49	49	49
	Missing	0	0	0	0	0	0	0
Mean		40.92	57.98	59.67	26.86	35.71	24.51	245.6567
Std. Error of Mean		1.163	3.265	3.237	4.090	5.288	3.918	10.69137
Median		42.00	55.00	58.00	17.00	33.00	17.00	240.5200
Std. Deviation		8.139	22.855	22.661	28.627	37.019	27.428	74.83961
Minimum		26	20	16	0	0	0	102.44
Maximum		59	94	97	100	100	100	432.47

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Faktor Fisik	49	40.92	8.139	1.163
Faktor Peran	49	57.98	22.855	3.265
Faktor Psikologis	49	59.67	22.661	3.237
Faktor Sosial	49	26.86	28.627	4.090
Faktor Ekonomi	49	35.71	37.019	5.288
Faktor Kognitif	49	24.51	27.428	3.918
Kualitas Hidup	49	245.6567	74.83961	10.69137

One-Sample Test

	t	df	Sig. (2-tailed)	Test Value = 0		
				Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Faktor Fisik	35.191	48	<,001	40.916	38.58	43.25
Faktor Peran	17.758	48	<,001	57.980	51.41	64.54
Faktor Psikologis	18.433	48	<,001	59.673	53.16	66.18
Faktor Sosial	6.567	48	<,001	26.857	18.63	35.08
Faktor Ekonomi	6.753	48	<,001	35.714	25.08	46.35
Faktor Kognitif	6.255	48	<,001	24.510	16.63	32.39
Kualitas Hidup	22.977	48	<,001	245.65673	224.1603	267.1532

One-Sample Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
Faktor Fisik	Cohen's d	8.139	5.027	3.984	6.065
	Hedges' correction	8.269	4.948	3.921	5.970
Faktor Peran	Cohen's d	22.855	2.537	1.955	3.112
	Hedges' correction	23.220	2.497	1.924	3.063
Faktor Psikologis	Cohen's d	22.661	2.633	2.035	3.225
	Hedges' correction	23.023	2.592	2.003	3.174
Faktor Sosial	Cohen's d	28.627	.938	.598	1.272
	Hedges' correction	29.084	.923	.589	1.252
Faktor Ekonomi	Cohen's d	37.019	.965	.622	1.301
	Hedges' correction	37.610	.950	.612	1.281
Faktor Kognitif	Cohen's d	27.428	.894	.558	1.222
	Hedges' correction	27.866	.880	.550	1.203
Kualitas Hidup	Cohen's d	74.83961	3.282	2.567	3.991
	Hedges' correction	76.03492	3.231	2.527	3.928

a. The denominator used in estimating the effect sizes.

Cohen's d uses the sample standard deviation.

Hedges' correction uses the sample standard deviation, plus a correction factor.

2. Bivariate Analysis between Physical Factor and Chemotherapy Treatment Adherence in Patients with Breast Cancer

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	2.344	1	.126
	Block	2.344	1	.126
	Model	2.344	1	.126

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
								Lower	Upper
Step 1 ^a	Faktor Fisik	-.056	.038	2.207	1	.137	.946	.878	1.018
	Constant	2.248	1.566	2.060	1	.151	9.468		

a. Variable(s) entered on step 1: Faktor Fisik.

3. Bivariate Analysis between Role Factor and Chemotherapy Treatment Adherence in Patients with Breast Cancer

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	27.499	1	<,001
	Block	27.499	1	<,001
	Model	27.499	1	<,001

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I.for EXP(B)	
								Lower	Upper
Step 1 ^a	Faktor Peran	.091	.023	14.930	1	<,001	1.095	1.046	1.147
	Constant	-5.334	1.433	13.857	1	<,001	.005		

a. Variable(s) entered on step 1: Faktor Peran.

4. Bivariate Analysis between Psychological Factor and Chemotherapy Treatment Adherence in Patients with Breast Cancer

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	20.238	1	<,001
	Block	20.238	1	<,001
	Model	20.238	1	<,001

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I.for EXP(B)	
								Lower	Upper
Step 1 ^a	Faktor Psikologis	.075	.021	12.210	1	<,001	1.078	1.034	1.124
	Constant	-4.566	1.350	11.436	1	<,001	.010		

a. Variable(s) entered on step 1: Faktor Psikologis.

5. Bivariate Analysis between Social Factor and Chemotherapy Treatment Adherence in Patients with Breast Cancer

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	.014	1	.907
	Block	.014	1	.907
	Model	.014	1	.907

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
								Lower	Upper
Step 1 ^a	Faktor Sosial	-.001	.010	.014	1	.907	.999	.979	1.019
	Constant	-.009	.394	.001	1	.981	.991		

a. Variable(s) entered on step 1: Faktor Sosial.

6. Bivariate Analysis between Economy Factor and Chemotherapy Treatment Adherence in Patients with Breast Cancer

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	3.123	1	.077
	Block	3.123	1	.077
	Model	3.123	1	.077

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
								Lower	Upper
Step 1 ^a	Faktor Ekonomi	-.014	.008	2.934	1	.087	.986	.970	1.002
	Constant	.459	.410	1.257	1	.262	1.583		

a. Variable(s) entered on step 1: Faktor Ekonomi.

7. Bivariate Analysis between Cognitive Factor and Chemotherapy Treatment Adherence in Patients with Breast Cancer

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	.551	1	.458
	Block	.551	1	.458
	Model	.551	1	.458

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
								Lower	Upper
Step 1 ^a	Faktor Kognitif	-.008	.011	.540	1	.463	.992	.971	1.013
	Constant	.152	.387	.154	1	.695	1.164		

a. Variable(s) entered on step 1: Faktor Kognitif.

8. Bivariate Analysis between Quality of Life Factor and Chemotherapy Treatment Adherence in Patients with Breast Cancer

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	1.918	1	.166
	Block	1.918	1	.166
	Model	1.918	1	.166

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
								Lower	Upper
Step 1 ^a	Kualitas Hidup	.005	.004	1.829	1	.176	1.005	.998	1.013
	Constant	-1.385	1.035	1.790	1	.181	.250		

a. Variable(s) entered on step 1: Kualitas Hidup.

9. Multivariate Analysis of the Dominant Factors Influencing Chemotherapy Treatment Adherence in Patients with Breast Cancer

Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	38.419	5	<,.001
	Block	38.419	5	<,.001
	Model	38.419	5	<,.001
Step 2 ^a	Step	-.020	1	.886
	Block	38.398	4	<,.001
	Model	38.398	4	<,.001
Step 3 ^a	Step	-.049	1	.826
	Block	38.350	3	<,.001
	Model	38.350	3	<,.001

a. A negative Chi-squares value indicates that the Chi-squares value has decreased from the

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
								Lower	Upper
Step 1 ^a	Faktor Fisik	.015	.071	.042	1	.837	1.015	.883	1.166
	Faktor Peran	.113	.045	6.462	1	.011	1.120	1.026	1.222
	Faktor Psikologis	-.005	.034	.020	1	.887	.995	.932	1.063
	Faktor Ekonomi	-.090	.038	5.663	1	.017	.914	.848	.984
	Kualitas Hidup	.028	.017	2.690	1	.101	1.029	.994	1.064
	Constant	-10.931	4.991	4.797	1	.029	.000		
Step 2 ^a	Faktor Fisik	.015	.071	.048	1	.827	1.016	.884	1.167
	Faktor Peran	.111	.040	7.575	1	.006	1.117	1.032	1.209
	Faktor Ekonomi	-.089	.037	5.896	1	.015	.915	.851	.983
	Kualitas Hidup	.027	.016	3.011	1	.083	1.028	.996	1.060
	Constant	-10.905	4.960	4.834	1	.028	.000		
Step 3 ^a	Faktor Peran	.107	.037	8.643	1	.003	1.113	1.036	1.196
	Faktor Ekonomi	-.089	.036	5.982	1	.014	.915	.852	.982
	Kualitas Hidup	.028	.016	3.183	1	.074	1.028	.997	1.060
	Constant	-10.171	3.510	8.395	1	.004	.000		

a. Variable(s) entered on step 1: Faktor Fisik, Faktor Peran, Faktor Psikologis, Faktor Ekonomi, Kualitas Hidup.

Attachment 17 Research Documentation






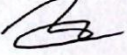


Attachment 18 Advising Record Sheet



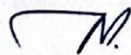
LEMBAR BIMBINGAN SKRIPSI
PRODI SARJANA TERAPAN KEPERAWATAN MALANG
JURUSAN KEPERAWATAN POLTEKKES KEMENKES MALANG

Nama Mahasiswa : **BIMA ARIYU PUTRA ANGGUTAR**
 NIM : P17211217137
 Nama Pembimbing (1/2)* : Dr. Arief Bachtiar, S. Kep., Ns., M. Kep.
 Judul Skripsi : Analysis of Factors Influencing Chemotherapy Treatment Adherence in Patients with Breast Cancer (ca mammae)

NO	TANGGAL	REKOMENDASI PEMBIMBING	TANDA TANGAN	
			PEMBIMBING	MAHASISWA
1.	02-01-2025	Memperhatikan judul penelitian		
2.	03-01-2025	1.) Memperhatikan judul penelitian 2.) Memperdalam dan menyjabarkan lebih dalam judul penelitian 3.) Menuliskan BAB I		
3.	07-02-2025	1.) ACC BAB I 2.) Menjelaskan konsep kepatuhan lebih mendalam 3.) Memperdalam Faktor yang mempengaruhi kepatuhan 1.) Menyjabarkan konsep kepatuhan secara umum 5.) Ganti/tambah konsep kepatuhan dan cara mengukurnya		
4	09-01-2025	Chapter 2 is approved go on to Chapter 3		

NO	TANGGAL	REKOMENDASI PEMBIMBING	TANDA TANGAN	
			PEMBIMBING	MAHASISWA
5	10-01-2025	<ul style="list-style-type: none"> > Please note the grammars. > Please check the way to get sample > the exclusion criteria is not opposed of inclusion criteria > Please revise the Def op. in term of instrument & Scale > instrument of research is mentioned clearly. > Data analysis is using log-Regression test. ↳ follow the steps. 		
6	13-01-2025	<ul style="list-style-type: none"> > please consider the terms > score of result measurement > validity & Reliability of the instrument 		
7	14-01-2025	<ul style="list-style-type: none"> > Ace chapter 3 prepare the paper defend. 		

Mengetahui,
Ketua
Prodi Sarjana Terapan Keperawatan Malang



Dr. Arief Bachtiar, S.Kep., Ns., M.Kep.
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Malang, 14 Januari 2025
Pembimbing



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




LEMBAR BIMBINGAN SKRIPSI
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JURUSAN KEPERAWATAN POLTEKKES KEMENKES MALANG

Nama Mahasiswa : **BIMA ARIYU PUTRA ANGGUTAR**
 NIM : **P17211217137**
 Nama Pembimbing (1/2)* : **Dr. Arief Bachtiar, S. Kep., Ns., M. Kep.**
 Judul Skripsi : **Analysis of Factors Influencing Chemotherapy Treatment Adherence in Patients with Breast Cancer (ca mammae)**

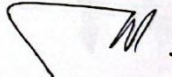
NO	TANGGAL	REKOMENDASI PEMBIMBING	TANDA TANGAN	
			PEMBIMBING	MAHASISWA
8	11 Juni 2025	> Perbaiki lampiran 3 uji regresi logistik → lihat di buku Analisis Data Kesehatan		
9	16 Juni 2025	> Aca uji hasil > Rencanakan untuk ujian.		

NO	TANGGAL	REKOMENDASI PEMBIMBING	TANDA TANGAN	
			PEMBIMBING	MAHASISWA

Mengetahui,
Ketua
Prodi Sarjana Terapan Keperawatan Malang


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

Malang, 16 Juni 2025
Pembimbing


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

Attachment 19 Plagiarism Check Result

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