

LAMPIRAN

Lampiran 1. Pernyataan Selesai Revisi Skripsi



**FAKULTAS ILMU KESEHATAN DAN TEKNOLOGI
'AISYIYAH PALEMBANG
PROGRAM STUDI SI FARMASI**

Jl. Kol. H. Burlan --Lr. M. Husin No. 907 RT. 12/RW. 04 Kel. Karya Baru
Kec. Alang-alang LebarKM. 7,5 Palembang 30152 Telp. 0711-421981

www.unisa-palembang.ac.id

farmasi.aisyiyah@gmail.com

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

**FORMULIR
PERNYATAAN SELESAI REVISI PROPOSAL/ NASKAH SKRIPSI*)
(S-06)**

Yang bertandatangan dibawah ini, tim penguji Skripsi 1/ Skripsi-2*):

Nama Mahasiswa : Ravica Syafitri

NIM : 214820103021

Judul Penelitian : Eksplorasi Ligan Antiasma Berbasis Tumbuhan Dalam al-Qur'an dan adits Dengan Metode *Structure-based Virtual Screening* (SBVS)

Pembimbing 1 : Dr. Gerry Nugraha, M.Sc., M.Farm

Pembimbing 2 : Deden Mula Saputra, S.Th.I., M.Ud


Tanggal Ujian : 11 Januari 2025

Menerangkan bahwa naskah Proposal/ Skripsi*) telah selesai direvisi oleh tim penguji.

Nama	Tanda Tangan	Tanggal
1. Dr. Gerry Nugraha, M.Sc., M.Farm		9/2025 03
2. Deden Mula Saputra, S.Th.I., M.Ud		8/2025 03
3. Dr. Amrullah, M.Pd.I		8/2025 03
4. Suprayetno, S.Si., MT.		8/2025 03

*) : Coret yang tidak perlu.

Lampiran 2. Surat Permohonan Izin Penelitian

	SURAT	No Dokumen	Form-A1
	PERMOHONAN IZIN PENELITIAN PROGRAM STUDI S-1 FARMASI UNIVERSITAS AISYIYAH PALEMBANG	Berlaku Sejak	
		Revisi	000

Hal : Permohonan Izin Penelitian

Kepada Yth
Kabag Laboratorium Terpadu
Universitas 'Aisyiyah Palembang

1	Skripsi
2	PKM/LKTI
3	Penelitian Dosen
4	Luar

Assalamualaikum Wr. Wb.

Schubungan dengan penelitian kami dalam bidang..... Kimia Komputasi dengan:
Judul Penelitian : Eksplorasi Igan Anti-Astma berbasis tumbuhan dalam Al-Qur'an
dan hadis dengan metode RSVr

Nama Pembimbing : 1. Gerry Nugraha, N.Sc., M.Farm
2. Deden Muta Saputra, S.Thi., M. ud.

No	Nama	NIM/NIP/NIK	No. HP
1	<u>Ravica Syafitri</u>	<u>214820103021</u>	<u>083829819905</u>
2			
3			
4			
5			

Bermaksud mengajukan izin penelitian di Laboratorium*): Farmasetika Dasar / Teknologi Farmasi / Kimia Farmasi / Biologi Farmasi / Farmakologi / Mikrobiologi / (Komputasi)
Prodi S1 Farmasi Universitas 'Aisyiyah Palembang.

Penelitian tersebut akan kami laksanakan selama: 6 bulan,
yang dihitung dari : 19 03 2025 s.d 19 08 2025

Sebagai bahan pertimbangan, bersama ini dilampirkan lembar pengesahan proposal penelitian.
Demikian permohonan kami, atas perhatiannya diucapkan terima kasih.

Palembang, 19 Maret 2025

Mengetahui,

Dosen Pembimbing

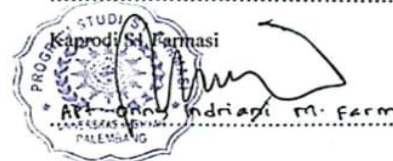
Gerry Nugraha, M.Sc., M.Farm

Menyetujui,
Kabag Laboratorium Terpadu

Neni Riyanti, SKM., M. Kes

Pemohon

Ravica Syafitri



Lampiran 3. RMSD (*Root Mean Square Deviation*)

5.6158	0.8859	0.7276
4.674	0.8833	0.7271
3.2782	0.8824	0.726
1.9159	0.8812	0.7255
1.8932	0.8803	0.7248
1.8363	0.8801	0.7243
1.8252	0.8794	0.7239
1.5036	0.8729	0.7237
1.3464	0.8708	0.7233
0.9651	0.8707	0.723
0.9407	0.8706	0.7225
0.9369	0.8704	0.7224
0.9368	0.8699	0.7221
0.9346	0.8697	0.7221
0.9275	0.8666	0.7221
0.9265	0.8642	0.7217
0.926	0.8634	0.7216
0.9236	0.8611	0.7211
0.9219	0.8597	0.721
0.9209	0.8595	0.7209
0.9206	0.8595	0.7203
0.9149	0.8589	0.7194
0.913	0.8584	0.7192
0.9123	0.8581	0.7187
0.9091	0.858	0.7186
0.9073	0.8566	0.7179
0.9046	0.8562	0.7175
0.9012	0.8553	0.7174
0.8986	0.8551	0.7173
0.8966	0.8534	0.7167
0.8944	0.8531	0.7165
0.8915	0.8515	0.7163
0.8489	0.8508	0.7159
0.8421	0.8053	0.7158
0.8416	0.805	0.7154
0.8404	0.8038	0.7147
0.8397	0.7976	0.7147
0.8375	0.7973	0.7145
0.8352	0.787	0.714
0.8341	0.7846	0.7138

Lampiran 4. Hasil Screening Ligand

0094| 000000.4341 | 000012.5900 | 00000000000590.7553 | 000434.15 |
 LTS0015434 | A THR 110 A ASP 113 A VAL 114 A VAL 117 A THR 164 A ILE
 169 A TYR 174 A PHE 193 A THR 195 A GLN 197 A TYR 199 A ALA 200 A
 ILE 201 A SER 203 A SER 204 A SER 207 A PHE 208 A TRP 286 A PHE 289 A
 PHE 290 A ASN 293 A ILE 294 A TYR 308 A ASN 312 A TYR 316 |
COc1cc(CC[C@H]2C[C@H](O)C[C@H](c3cc(OC)c(O)c(OC)c3)O2)ccc1O

0221| 000000.3665 | 000012.4600 | 00000000000735.6968 | 000564.42 |
 LTS0037470 | A VAL 86 A THR 110 A ASP 113 A VAL 114 A VAL 117 A ILE
 169 A TYR 174 A ASP 192 A PHE 193 A PHE 194 A THR 195 A GLN 197 A
 TYR 199 A ALA 200 A ILE 201 A SER 203 A SER 204 A SER 207 A PHE 208
 A TRP 286 A PHE 289 A PHE 290 A ASN 293 A LYS 305 A TYR 308 A ILE
 309 A ASN 312 A
 TRP313ATYR316|COc1ccc(/C=C/COC(=O)CCCCCCC/C=CC/C=CCCCCO)cc1C

1027| 000000.3533 | 000011.6600 | 000000000002838.6162 | 000424.53 |
 LTS0167991 | A THR 110 A SER 111 A ASP 113 A VAL 114 A VAL 117 A
 THR 164 A SER 165 A ILE 169 A TYR 174 A PHE 193 A THR 195 A GLN 197
 A TYR 199 A ALA 200 A ILE 201 A SER 203 A SER 204 A ILE 205 A SER 207
 A PHE 208 A TYR 209 A TRP 286 A PHE 289 A PHE 290 A ASN 293 A ILE
 294 A TYR 316 |
COc1cc(/C=C/CO[C@@H]2O[C@H](CO[C@@H]3OC[C@](O)(CO)[C@H]3O)[@H](O)[C@H](O)[C@H]2O)ccc1O

0776| 000000.3591 | 000011.4900 | 000000000003781.9722 | 000411.30 |
 LTS0123772 | A THR 110 A ASP 113 A VAL 114 A VAL 117 A THR 118 A
 THR 164 A ILE 169 A TYR 174 A PHE 193 A THR 195 A GLN 197 A TYR 199
 A ALA 200 A ILE 201 A SER 203 A SER 204 A SER 207 A PHE 208 A TRP 286
 A PHE 289 A PHE 290 A ASN 293 A TYR 308 A ASN 312 A TYR 316 |
CC(=CCC/C(=CCO[C@@H]1O[C@H](CO[C@@H]2O[C@@H](C)[C@H](O)[C@@H](O)[C@H]2O)[C@@H](O)[C@H]1O)/C)C

0348| 000000.3783 | 000011.3500 | 000000000004790.0459 | 000423.05 |
 LTS0055885 | A THR 110 A SER 111 A ASP 113 A VAL 114 A VAL 117 A ILE
 169 A TYR 174 A PHE 193 A THR 195 A GLN 197 A TYR 199 A ALA 200 A
 ILE 201 A SER 203 A SER 204 A SER 207 A PHE 208 A TRP 286 A PHE 289 A
 PHE 290 A ASN 293 A TYR 308 A ASN 312 A TYR 316 |
TYR308AASN312ATYR316|COc1cc(CC[C@@H](O)C[C@@H](CCc2ccc(O)c(OC)c2)OC(=O)C)ccc1O

1353| 000000.3271 | 000011.1200 | 000000000007062.0684 | 000569.41 |
 LTS0215004 | A VAL 86 A THR 110 A SER 111 A ASP 113 A VAL 114 A VAL
 117 A ILE 169 A TYR 174 A ALA 176 A HIS 178 A ASP 192 A PHE 193 A PHE

194 A THR 195 A GLN 197 A TYR 199 A ALA 200 A ILE 201 A SER 203 A
SER 204 A SER 207 A PHE 208 A TRP 286 A PHE 289 A ASN 293 A ASP 300
A ASN 301 A LYS 305 A TYR 308 A ILE 309 A ASN 312 A TYR 316 |
COc1ccc(/C=C/COC(=O)CCCCCCC/C=C/C/C=C/CCCCCO)cc1OC

1628| 000000.3163 | 000011.0700 | 00000000007683.9126 | 000505.63 |
LTS0261653 | A THR 110 A SER 111 A ASP 113 A VAL 114 A ILE 169 A TYR
174 A ALA 176 A HIS 178 A PHE 193 A PHE 194 A THR 195 A GLN 197 A
TYR 199 A ALA 200 A ILE 201 A SER 203 A SER 204 A SER 207 A PHE 289
A ASN 293 A ASP 300 A LYS 305 A TYR 308 A ILE 309 A ASN 312 A TYR
316 |
COc1cc(c2cc(=O)c3c(O)cc(O[C@@H]4O[C@H](CO)[C@@H](O)[C@H](O)[C
@H]4O)cc3o2)cc(OC)c1O

0078| 000000.3235 | 000011.0000 | 00000000008647.5498 | 000560.79 |
LTS0012985 | A THR 110 A SER 111 A ASP 113 A VAL 114 A VAL 117 A ILE
169 A TYR 174 A PHE 193 A THR 195 A GLN 197 A TYR 199 A ALA 200 A
ILE 201 A SER 203 A SER 204 A ILE 205 A SER 207 A PHE 208 A TYR 209 A
TRP 286 A PHE 289 A PHE 290 A ASN 293 A ILE 294 A TYR 308 A ASN 312
A TYR 316 |
CCCCCCCCCCCCC(=O)CC(=O)CCCCCCCC[C@@H](O)CCCC

0911| 000000.3558 | 000011.0300 | 00000000008220.5859 | 000484.64 |
LTS0145614 | A THR 110 A SER 111 A ASP 113 A VAL 114 A VAL 117 A
THR 164 A ILE 169 A TYR 174 A HIS 178 A PHE 193 A PHE 194 A THR 195
A GLN 197 A TYR 199 A ALA 200 A ILE 201 A SER 203 A SER 204 A SER
207 A PHE 208 A PHE 289 A PHE 290 A ASN 293 A ASP 300 A TYR 308 A
ILE 309 A ASN 312 |
312ATYR316|COc1cc([C@H]2OC[C@@H]3[C@@H](c4ccc(OC)c(OC)c4)OC[
C@]23OC(=O)C)ccc1O

0634| 000000.3793 | 000011.0000 | 00000000008647.5498 | 000414.40 |
LTS0099776 | A THR 110 A SER 111 A ASP 113 A VAL 114 A VAL 117 A ILE
169 A TYR 174 A PHE 193 A THR 195 A GLN 197 A TYR 199 A ALA 200 A
ILE 201 A SER 203 A SER 204 A SER 207 A PHE 208 A PHE 289 A PHE 290 A
ASN 293 A TYR 308 |
AASN312ATYR316|C=C(C)[C@H]1Cc2cc3ccc(=O)oc3c(O[C@@H]3O[C@H](
CO)[C@@H](O)[C@H](O)[C@H]3O)c2O1

0811| 000000.3226 | 000010.9700 | 00000000009096.6895 | 000549.61 |
LTS0129384 | A THR 110 A SER 111 A ASP 113 A VAL 114 A VAL 117 A ILE
169 A TYR 174 A PHE 193 A THR 195 A GLN 197 A TYR 199 A ALA 200 A

ILE 201 A SER 203 A SER 204 A ILE 205 A SER 207 A PHE 208 A TYR 209 A
 TRP 286 A PHE 289 A PHE 290 A ASN 293 A ILE 294 A TYR 308 A ASN 312
 A TYR 316 |
 CCCCCCCCCCCCCC(=O)CC(=O)CCCCCCCC[C@@H](O)CCCCC

0616| 000000.3653 | 000010.9600 | 00000000009251.5283 | 000468.79 |
 LTS0096165 | A THR 110 A ASP 113 A VAL 114 A THR 164 A SER 165 A ILE
 169 A TYR 174 A PHE 193 A THR 195 A GLN 197 A TYR 199 A ALA 200 A
 ILE 201 A SER 203 A SER 204 A ILE 205 A SER 207 A TYR 209 A PHE 289 A
 PHE 290 A ASN 293 A ILE 294 A TYR 308 A ASN 312 A TYR 316
 COc1cc(CCC(=O)C[C@H](CCc2ccc(O)c(OC)c2)OC(=O)C)ccc1O

0911| 000000.3532 | 000010.9500 | 00000000009409.0020 | 000484.64 |
 LTS0145614 | A THR 110 A SER 111 A ASP 113 A VAL 114 A VAL 117 A
 THR 164 A ILE 169 A TYR 174 A HIS 178 A PHE 193 A PHE 194 A THR 195
 A GLN 197 A TYR 199 A ALA 200 A ILE 201 A SER 203 A SER 204 A SER
 207 A PHE 208 A PHE 289 A PHE 290 A ASN 293 A ASP 300 A TYR 308 A
 ILE 309 A ASN
 312ATYR316|COc1cc([C@H]2OC[C@@H]3[C@@H](c4ccc(OC)c(OC)c4)OC[
 C@]23OC(=O)C)ccc1O

1223| 000000.3650 | 000010.9500 | 00000000009409.0020 | 000399.69 |
 LTS0197417 | A VAL 86 A THR 110 A SER 111 A ASP 113 A VAL 114 A VAL
 117 A THR 118 A SER 165 A ILE 169 A TYR 174 A PHE 193 A THR 195 A
 GLN 197 A TYR 199 A ALA 200 A ILE 201 A SER 203 A SER 204 A SER 207
 A PHE 208 A TRP 286 A PHE 289 A PHE 290 A ASN 293 A TYR 308 A ASN
 312 A TYR
 316CC[C@@H](CC[C@H](C)[C@@H]1CC[C@@H]2C3=CC[C@@H]4C[C@
 @H](O)CC[C@]4(C)[C@H]3CC[C@]12C)C(C)C

1618| 000000.3650 | 000010.9500 | 00000000009409.0020 | 000494.21 |
 LTS0260139 | A THR 110 A ASP 113 A VAL 114 A VAL 117 A THR 164 A ILE
 169 A TYR 174 A PHE 193 A THR 195 A GLN 197 A TYR 199 A ALA 200 A
 ILE 201 A SER 203 A SER 204 A ILE 205 A SER 207 A PHE 208 A TYR 209 A
 TRP 286 A PHE 289 A PHE 290 A ASN 293 A ILE 294 A ASN 312 A TYR 316 |
 CCCCCCCCCCCCCC(=O)OC/C=C/c1ccc(O)c(OC)c1

Lampiran 5. *dock_run_1000.mcr*

```
# YASARA MACRO
# TOPIC: 5. Structure prediction
# TITLE: Docking a ligand to a receptor
# REQUIRES: Structure
# AUTHOR: Elmar Krieger
# LICENSE: GPL
# DESCRIPTION: This macro predicts the structure of a ligand-receptor complex.
It can also continue a docking run that got interrupted. An analysis log file is
written at the end.
#
# Parameter section - adjust as needed, but NOTE that some changes only take
effect
# if you start an entirely new docking job, not if you continue an existing one.
#
=====
=====
# Energy minimization experiment completed after 765 steps. Final energy is -
20568.574 kJ/mol.
# MODIFIED YASARA MACRO by Roy Gunawan Wicaksono (11 Oct 2019)
# DESCRIPTION: This macro re-dock 1000 times ligand to its receptor to examine
the applicability of the receptor for virtual screening
Processors CPUThreads=50,GPU=1
Antialias 0
Console Off
method='AutoDockLGA'
#method='VINA'
runs=5
rmsdmin=5.0
rigid=0
flexres=""
calcsread=1
pdsaved=0
ForceField AMBER03
# Normally no change required below this point
# =====
# Sanity checks
if MacroTarget=="
#MacroTarget
/home/al/yasara/00_lotus2024/03_redock/4yay_receptor.sce,Remove=FromUnders
core
RaiseError "This macro requires a target. Either edit the macro file or click
Options > Macro > Set target to choose a target structure"
```

Lampiran 6. *smi2pdb.mcr*.

```
Processors CPUThreads=1,GPU=0
Antialias 0
Console Off
#nice-n20~/yasara/yasara-
txt"/home/al/yasara/1_natpro/zinc_bio_N/008/smi2pdb.mcr"
#MacroTarget (name).smi,Remove=Extension
CD (MacroDir)
libname=(MacroTarget)'
OnError Continue
Clear
for line in file (libname).smi
# Extract SMILES and name
smiles,name=split line
# Build SMILES
obj = BuildSMILES '(smiles)'
# Minimize with NOVA to close any long bonds that BuildSMILES left
# (QM optimization doesn't know where bonds should be)
pH value=7.4,update=Yes
Cell Auto,Extension=10
ForceField NOVA,SetPar=yes
Experiment Minimization
Experiment On
Wait ExpEnd
# Set compound name
CompoundMol Obj (obj),'(name)'
SaveSDF !SimCell,(name).sdf
SavePDB !SimCell,(name).pdb
DelObj (obj)
Clear
```

Lampiran 7. Perangkat Lunak YASARA-Structure

YASARA - Yet Another Scientific Artificial Reality Application

File Edit Simulation Analyze View Effects Options Window Help

ATOM PROPERTIES

Number:
Name:
Element:
Occupancy: % BFactor:
Residue:
Object:

Position: X = 000000.00000 Å
Y = 000000.00000 Å
Z = 000000.00000 Å

Speed: X = 0000000000 m/s
Y = 0000000000 m/s
Z = 0000000000 m/s
Total = 0000000000 m/s

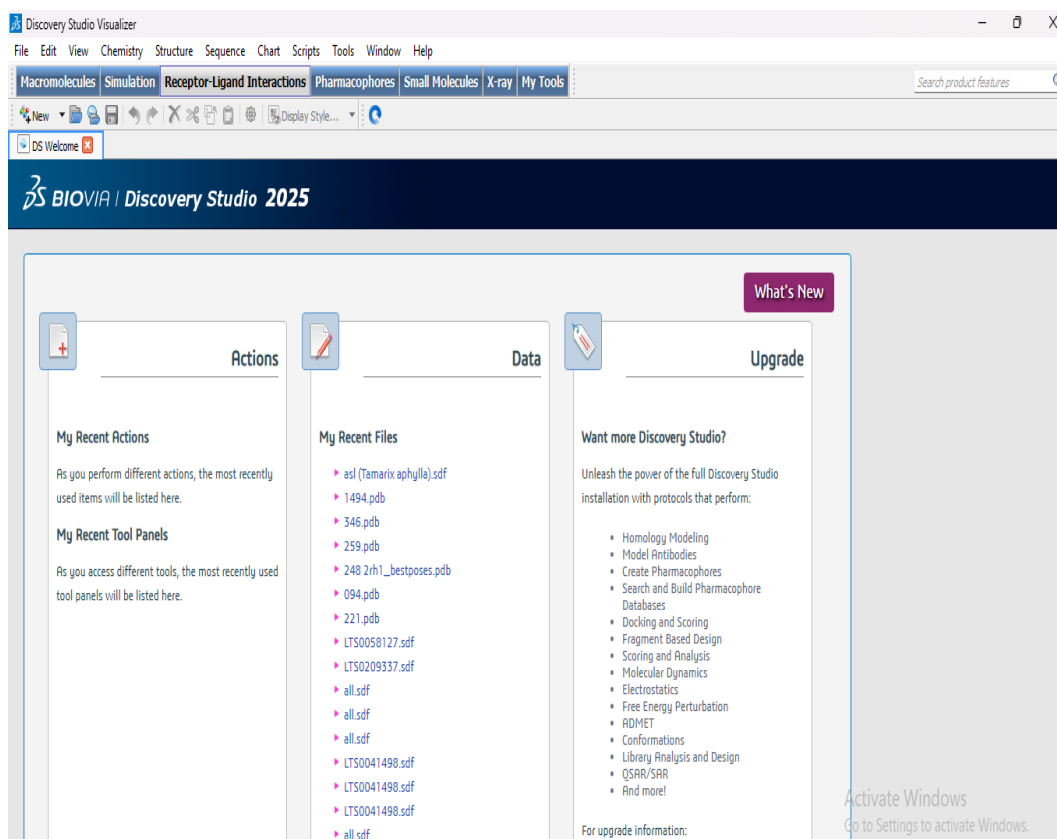
Active X = 0000000000 fN
Forces: Y = 0000000000 fN
Z = 0000000000 fN
Total = 0000000000 fN

Bonds:
1) Type to --- (-----)
Length --,--- Å
2) Type to --- (-----)
Length --,--- Å
3) Type to --- (-----)
Length --,--- Å
4) Type to --- (-----)
Length --,--- Å

Marked Distance: ----- Å
Marked Angle: ----- °
Marked Dihedral: ----- °

SCENE CONTENT

Obj	Name	Vis	Act	Atom
1	-----	No	No	-----
2	-----	No	No	-----
3	-----	No	No	-----
4	-----	No	No	-----
5	-----	No	No	-----
6	-----	No	No	-----
7	-----	No	No	-----
8	-----	No	No	-----
9	-----	No	No	-----
10	-----	No	No	-----

Lampiran 8. Perangkat Lunak *Discovery Studio Visualizer*

Lampiran 9. *Lotus Natural Product*

Find natural products

Name, InChI, SMILES, formula, LOTUS id, Wikidata, chemical classification, ...

[Structure Search](#) | [Advanced Search](#)

[Home](#) [Compound Browser](#) [Search](#) [Download](#) [Documentation](#)

Natural Products Online is an open source project for Natural Products (NPs) storage, search and analysis. This page hosts LOTUS, one of the biggest and best annotated resources for NPs occurrences available free of charge and without any restriction. LOTUS is a living database, which is hosted both here and on [Wikidata](#). The Wikidata version allows for community curation and addition of novel data. The current version allows a more user friendly experience (such as structural search, taxonomy oriented query, flat table and structures exports). If you use LOTUS in your research, please cite the following work: Adriano Rutz, Maria Sorokina, Jakub Galgonek, Daniel Mietchen, Egon Willighagen, Arnaud Gaudry, James G Graham, Ralf Stephan, Roderic Page, Jiří Vondrášek, Christoph Steinbeck, Guido F Pauli, Jean-Luc Wolfender, Jonathan Bisson, Pierre-Marie Allard (2022) The LOTUS initiative for open knowledge management in natural products research. *eLife* 11:e70780. <https://doi.org/10.7554/eLife.70780>

Component Browser

There are 276,518 natural products in the database

Activate Windows
Go to Settings to activate Windows.

Lampiran 10. Formulir Bimbingan Skripsi



UNISA FAKULTAS KESEHATAN DAN TEKNOLOGI (FKesT)
 UNIVERSITAS AISYIYAH PALEMBANG PROGRAM STUDI :
 SI FARMASI

Jl. Kol. H. Burhan – Lr. M. Husin KM. 7,5 No. 907 Kota Palembang, Kode Pos 30152, Telp (0711) 417135
 Email: farmasi@unisa-palembang.ac.id

FORMULIR BIMBINGAN SKRIPSI

Nama : Ravica Syafitri
 NIM : 214820103021
 Nama Pembimbing : 1. Dr. Gerry Nugraha, M.Sc., M.Farm
 2. Deden Mula Saputra, S.Th.I.,M.ud
 Judul Skripsi : Eksplorasi Ligan Anti-Asma Berbasis Tumbuhan Dalam Al-Qur'an Dan Hadits Dengan Metode *Structure-Based Virtual Screening* (SBVS)

No.	Tanggal Konsultasi	Keterangan	Paraf Pembimbing
1.	23 Mei 2025	membahas mengenai isi pembahasan skripsi	[Signature]
2.	26 Mei 2025	membahas mengenai pencarian referensi jurnal untuk membuat pembahasan	[Signature]
3.	27 Mei 2025	Garansi Penulisan Bab IV	[Signature]
4.	2 Juni 2025	Revisi format Penulisan dan isi bab IV	[Signature]
5.	4 Juni 2025	Revisi Bab IV	[Signature]
6.	1 July 2025	Revisi tabel pada bab IV	[Signature]
7.	3 July 2025	Revisi Gambar hasil Penelitian	[Signature]
8.	4 July 2025	Revisi metode kerja Penelitian	[Signature]
9.	9 July 2025	Revisi bab V formulan dan saran	[Signature]
10.	17 July 2025	Revisi ketuntahan Bab	[Signature]
11.	20 July 2025	Revisi abstrak	[Signature]
12.	22 July 2025	revisi Bab II	[Signature]
13.	24 July 2025	Revisi Bab IV	[Signature]
14.	26 Agustus 2025	Revisi kesimpulan	[Signature]
15.	2 Agustus 2025	Revisi mengenai Referensi	[Signature]

Lampiran 11. Pernyataan Selesai Revisi Skripsi



**FAKULTAS ILMU KESEHATAN DAN TEKNOLOGI
'AISYIYAH PALEMBANG
PROGRAM STUDI SI FARMASI**

Jl. Kol. H. Burlian –Lr. M. Husin No. 907 RT. 12/RW. 04 Kel. Karya Baru
Kec. Alang-alang LebarKM. 7,5 Palembang 30152 Telp. 0711-421981

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farmasi.aisyiyah@gmail.com

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

**FORMULIR
PERNYATAAN SELESAI REVISI NASKAH SKRIPSI*)
(S-06)**

Yang bertandatangan dibawah ini, tim penguji ~~Skripsi 1/~~ Skripsi 2*):

Nama Mahasiswa : Ravica Syafitri
NIM : 214820103021
Judul Penelitian : Eksplorasi Ligan Anti-Asma Berbasis Bahan Alam Yang
Disebutkan Dalam Al-Qur'an Dan Hadits Dengan Metode
Structure-Based Virtual Screening (SBVS) Pada Target
Reseptor Beta-2 Adrenergik
Pembimbing 1 : Dr. Gerry Nugraha, M.Sc., M.Farm.
Pembimbing 2 : Deden Mula Saputra, S.Th.I., M.Ud.
Tanggal Ujian : 14 Agustus 2025

Menerangkan bahwa ~~naskah Proposal/~~ Skripsi*) telah selesai direvisi oleh tim penguji.

Nama	Tanda Tangan	Tanggal
1. Dr. Gerry Nugraha, M.Sc., M.Farm.		14 / 2025 / 09
2. Deden Mula Saputra, S.Th.I., M.Ud.		14 / 2025 / 09
3. Dr. Amrullah, M.Pd.I.		14 / 2025 / 09
4. Suprayetno, S.Si., M.T.		5 / 2025 / 09

*) : Coret yang tidak perlu.