DAFTAR PUSTAKA

1. *HPLC dan Anti-Inflamasi Studi dari Flavonoid Kaya Kloform Ekstrak Fraksi Orthosiphon stamineus Daun-daun.* **Mun Fei Yam, et al., et al.** 21 Juni 2010, www.mdpi.com/journal/molecules, p. 4453.

2. **Kumar, Robbins and Cotran.** *Buku Ajar Patologi Edisi 7 Volume 1.* Jakarta : EGC Buku Kedokteran, 2012.

3. **Price, Sylvia A and Wilson, Lorraine M.** *Patofisiologi: Konsep Klinis Proses-Proses Penyakit Edisi 6.* Jakarta : EGC Kedokteran, 2012.

4. **Katzung BG, Masters SB and Trevor AJ.** *Farmakologi Dasar dan Klinik Edisi 6 Vol 2.* Jakarta : EGC Buku Kedokteran, 2014. 715-722p.

5. **Sulistia GG and Editor.** *Farmakologi dan Terapi : analgesik-antipiretik, analgesik-antiinflamasi non steroid dan obat pirai.* Jakarta : Departemen Faramakologi dan Terap[i Fakultas Kedokteran Universitas Indonesia, 2007. 218p.

6. **Heyne and K.** *Tumbuhan Berguna Indonesia jilid III diterjemahkan oleh Badan Litbang Kehutanan Jakarta.* Jakarta : Yayasan Sarana Wana Jaya, 1987.

7. **van Stenis and C. G. G. J.** *Flora Untuk Sekolah di Indonesia, diterjemahkan oleh Surjowinoto, M, dkk.* Jakarta : Pradnya Paramita, 1947.

8. *Analisis Kualitatif dan Kuantitatif Kandungan Kimia Daun Kumis Kucing (Orthosiphon aristatus (Blume) Miq) dari Ekstrak Heksan, Aseton, Etanol, dan Air.* **Rivai, Harrizul, Zulharmita and Muliandari.** 2019.

9. **Peraturan Mentri Kesehatan RI.** *Nomor 6 tentang formularium Obat Herbal Asli Indonesia.* Jakarta : Mentri Kesehatan, 2016.

10. *Orthosiphonus stamineus traditional uses, phytochemistry, pharmacology, and toxicology* . **Ameer, et al., et al.** 2012, Jurnal of Medicinal Food, pp. 15(8). 678-690.

11. *Struktur, Bioaktivitas dan Antioksidan Flavonoid.* **Arifin, Bustanul and Ibrahim, Sanusi.** 2018, Jurnal Zarah, Vol. 6 No. 1, pp. 21-29.

12. *Penetapan Kadar Flavonoid Total Ekstrak Daun Cengkeh (Syzygium aromaticum (L.) Meerr & Perry.* **Wahyualianingsih, Selpida Handayani Abd. Malik.** 2016, Jurnal Fitofarmak Indonesia, Vol. 3 o. , pp, pp. 188-193.

13. *Chemistry and Pharmacology of Flavonoids- A Review.* **Avtar Chand Rana, Bhawna Gulliya.** 2019, Indian Juornal Of Pharmaceutical Education and Research, pp. Vol 53, Issue 1.

14. *FROM ETHNOPHARMACOLOGY TO CLINICAL STUDY OF ORTHOSIPHON STAMINEUS BENTH.* **Adnyana, I Ketut, Setiawan, Finna**

and Insanu, Muhamad. 2013, International Journal of Pharmacy and Pharmaceutical Sciences.

15. *Suppression by Flavonoids of Cyclooxygenase-2 Promoter-dependent.* **Mutoh, Michihiro, et al., et al.** 2000, Jpn. J. Cancer Res. 91,, pp. 686-691.

16. *Aktivitas Antiinflamasi Berbagai Tanaman Diduga Berasal Dari Flavonoid.* **Ramadhani, Nur and Sumiwi, Sri Adi.** Farmaka Suplemen Volume 14 Nomor 2, pp. 111-123.

17. *RIVIEW JURNAL: KLASIFIKASI AKTIVITAS FARMAKOLOGI DARI SENYAWA AKTIF FLAVONOID.* **Alfaridz , Faizal and Amalia, Riezki.** Sumedang, Jawa Barat : Fakultas Farmasi Universitas Padjadjaran, 2016, Vol. 16 Nomor 3.

18. *Uji Antiinflamasi Ekstrak <etanol Daun Sirih Merah (Piper crocatum Ruiz&Pav) pada Tikus Putih.* **Fitriyani, Atik, et al., et al.** 2011, Majalah Obat TRadisional, 16(1), pp. 34-42.

19. **Siswandono.** *Kimia Medisinal 1 Edisi 2.* Surabaya : Airlangga Uniersity Press, 2016.

20. **Katzung, Bertram G., Masters, Susan B. and Trevor, AnthonyJ.** FARMAKOLOGI DASAR & KLINIK Edisi 12 Vol. 2. Jakarta : Penerbit Buku Kedokteran EGC, 2012.

21. *Pengaruh Aktivitas Senyawa Flavonoid yang Terdapat dalam madu Terhadap Reseptor H4R Sebagai Antiinflamasi.* **Dinata, Deden Indra, Rendrika, Rika and Kustida, Yuana Nita.** Jurnal Farmasi Galenika Volume 01 No. 02, pp. 61-70.

22. **Goodman and Gilman.** *Dasar farmakologi terapi.* Jakarta : EGC Buku Kedokteran, 2018. 627-643p.

23. **III, Kementrian Kesehatan Republik Indonsia Suplemen.** *Farmakope Herbal Indonesia Edisi I.* Jakarta : Kementrian Kesehatan Repulik Indonesia, 2013. 95-102p.

24. **Lipinski CA, et al., et al.** Experimental and Computational Approaches to Estimate Solubility and Permeability in Drug Discovery and Develop ment Settings. [book auth.] Lipinski CA, et al., et al. *aches to Estimate Solubility and Permeability in Drug Discovery and Develop ment Settings.* s.l. : Adv Drug Deliv, 1997, pp. 23:3-25.

25. *Study insilico senyawa turunan analog kalkon dan pirimidin sebagai antiinflamasi: prediksi absrorpsi, sitribusi, dan toksisitas.* **Nursamsiar, Toding, Alprida Tandi and Awaludin, Akbar.** Makassar, Indonesia : Sekolat Tinggi Ilmu Farmasi, 2016, Vol. 13 No. 01. 1693-3591.

26. **Muchtaridi, Ph.D, et al., et al.** *Kimia Medisinal Dasar-dasar dalam Perancangan Obat.* Jakarta : PRENADAMEDIA GROUP, 2018.

27. *Penambatan Senyawa Komponen Tanaman Kumis Kucing (Orthosiphon stamineus Benth) sebagai diuretik menggunakan metode docking.* **Hasbi, Fatwa, Amin, Saeful and Nofianti, Tita.** 2013.

28. *Computer assisted drug development (CADD): An emerging technology for accelerating drug development.* **Gomeni. R, et al., et al.** 2001, Clinical Pharmacology and Therapeutics, pp. 69,3.

29. *MOLEKULAR DOCKING STUDY OF XANTHONE DERIVATIVE COMPOUNDS OF MANGOSTEEN (Garnicia mangostana L) TO ER-alfa (ESTROGEN RECEPTOR ALFA) AND ER-beta (ESTROGEN R4ECEPTOR BETA) AS ANTI-BREASTCANCER.* **Prasetiawati, Riska, et al., et al.** 2018, Jurnal Ilmiah Farmakobahari.

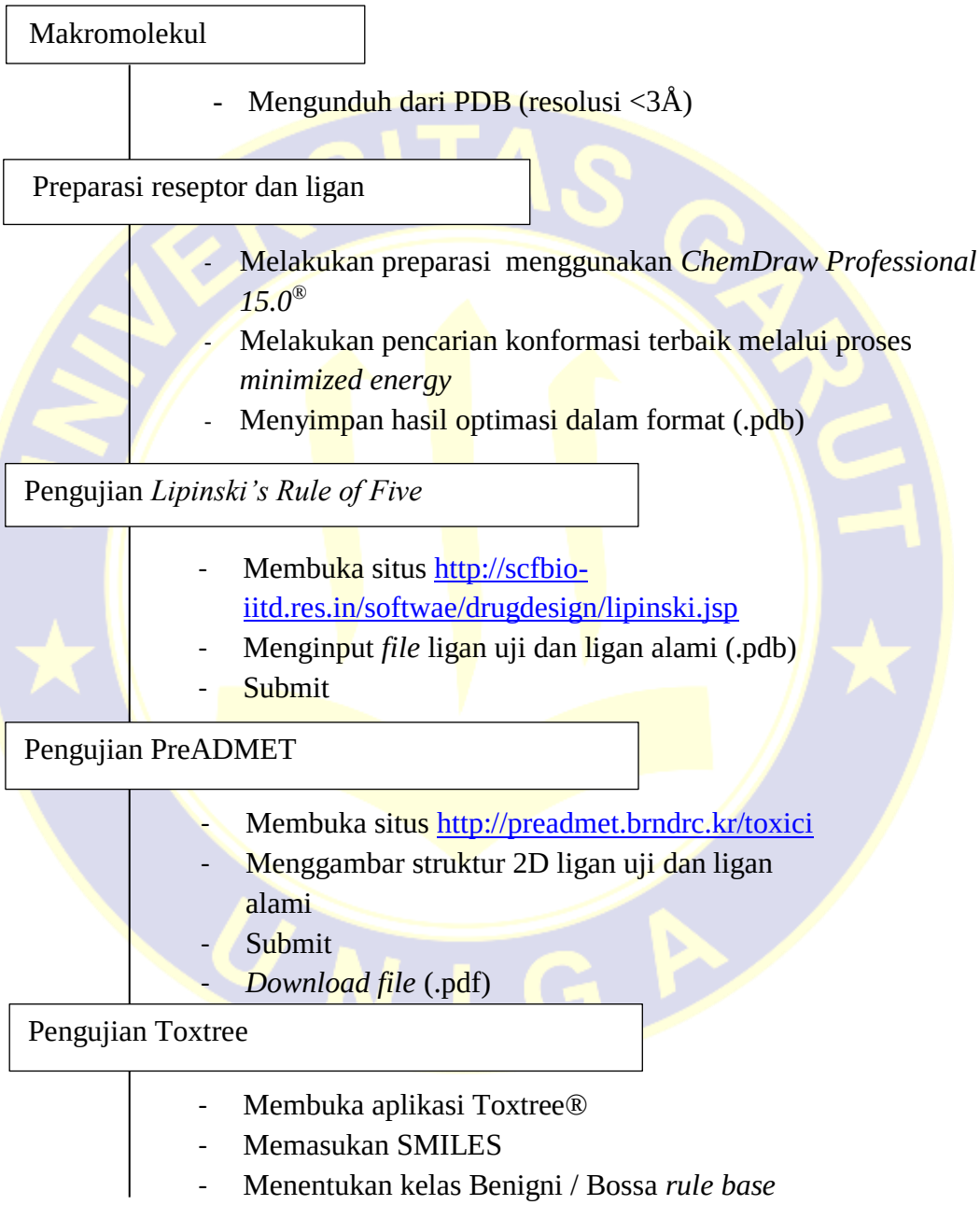
LAMPIRAN 1

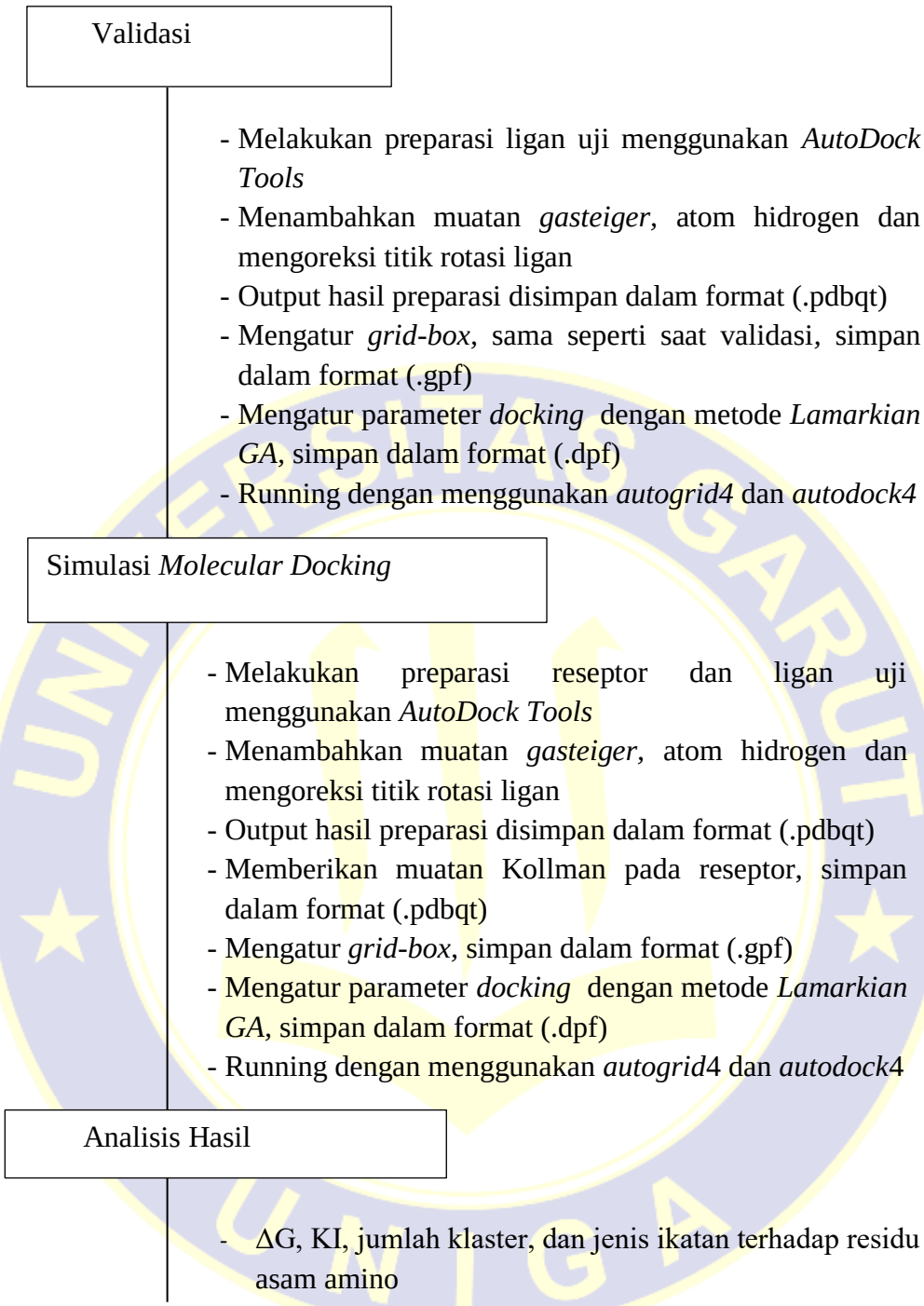
TANAMAN KUMIS KUCING

Gambar VII.1 Tanaman Kumis Kucing (*Orthosiphon stamineus* Benth)

LAMPIRAN 2

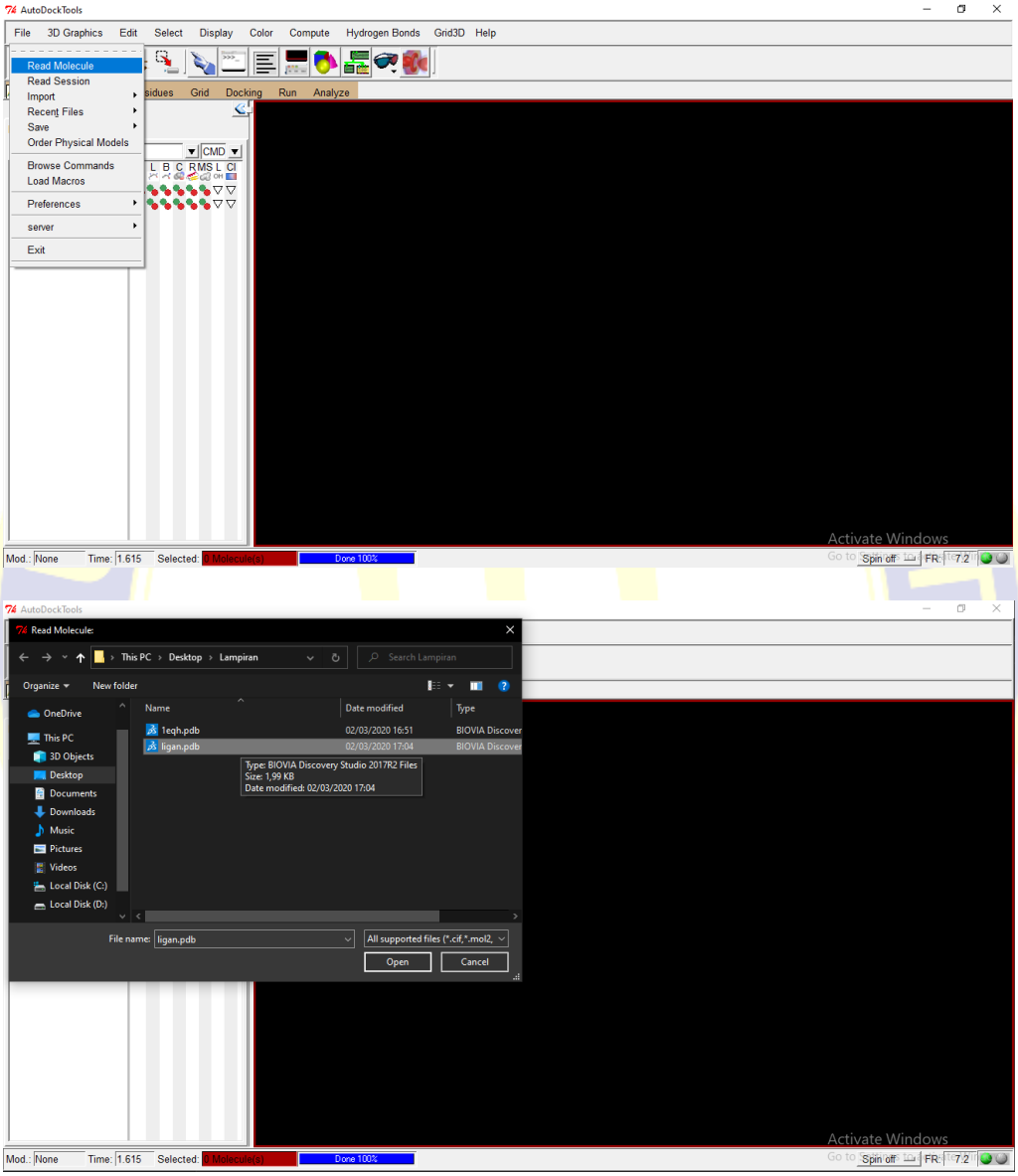
ALUR PENELITIAN SIMULASI *MOLECULAR DOCKING*





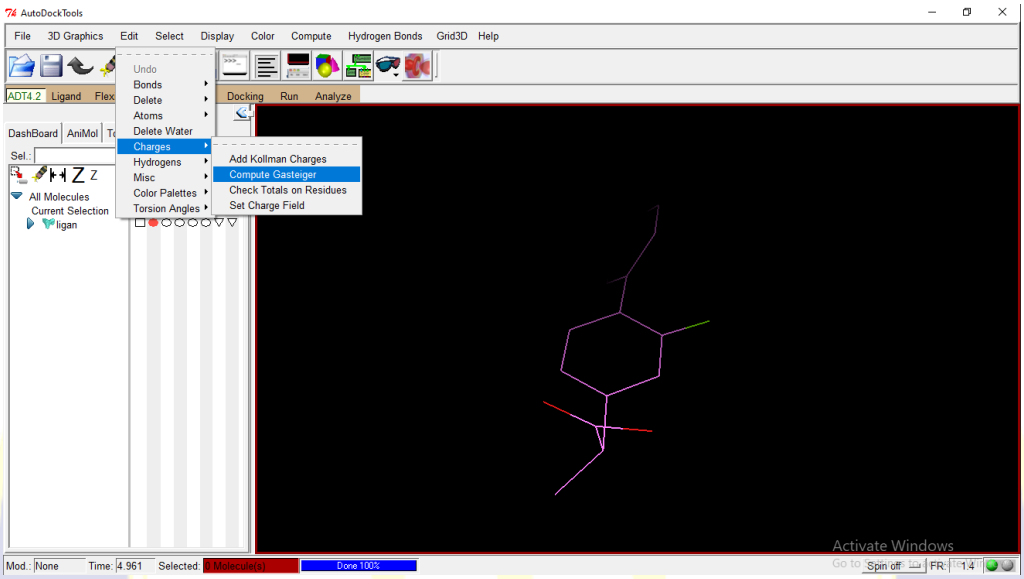
Gambar VII.2 Alur Penelitian

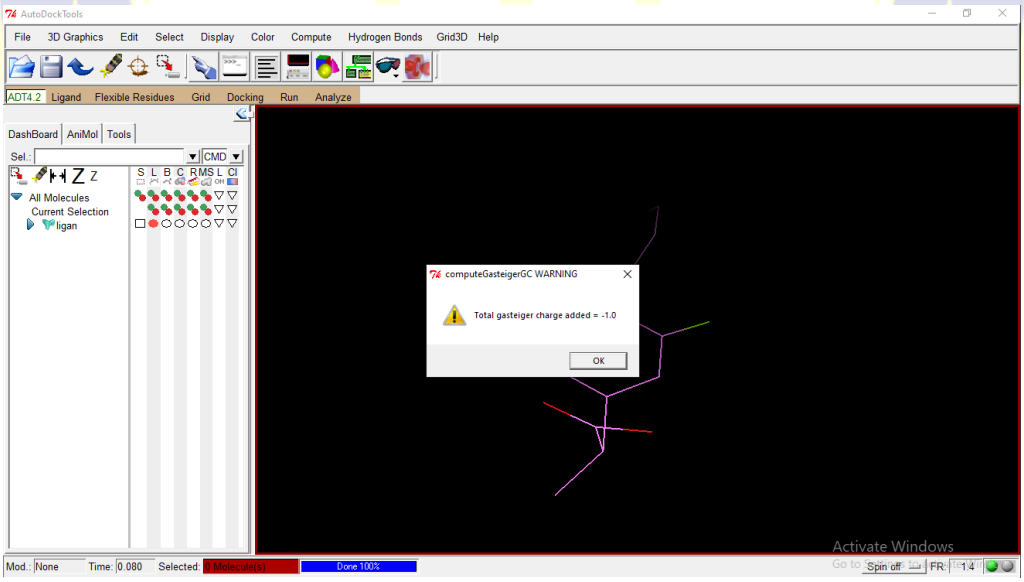
LAMPIRAN 3
LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*



LAMPIRAN 3
(LANJUTAN)

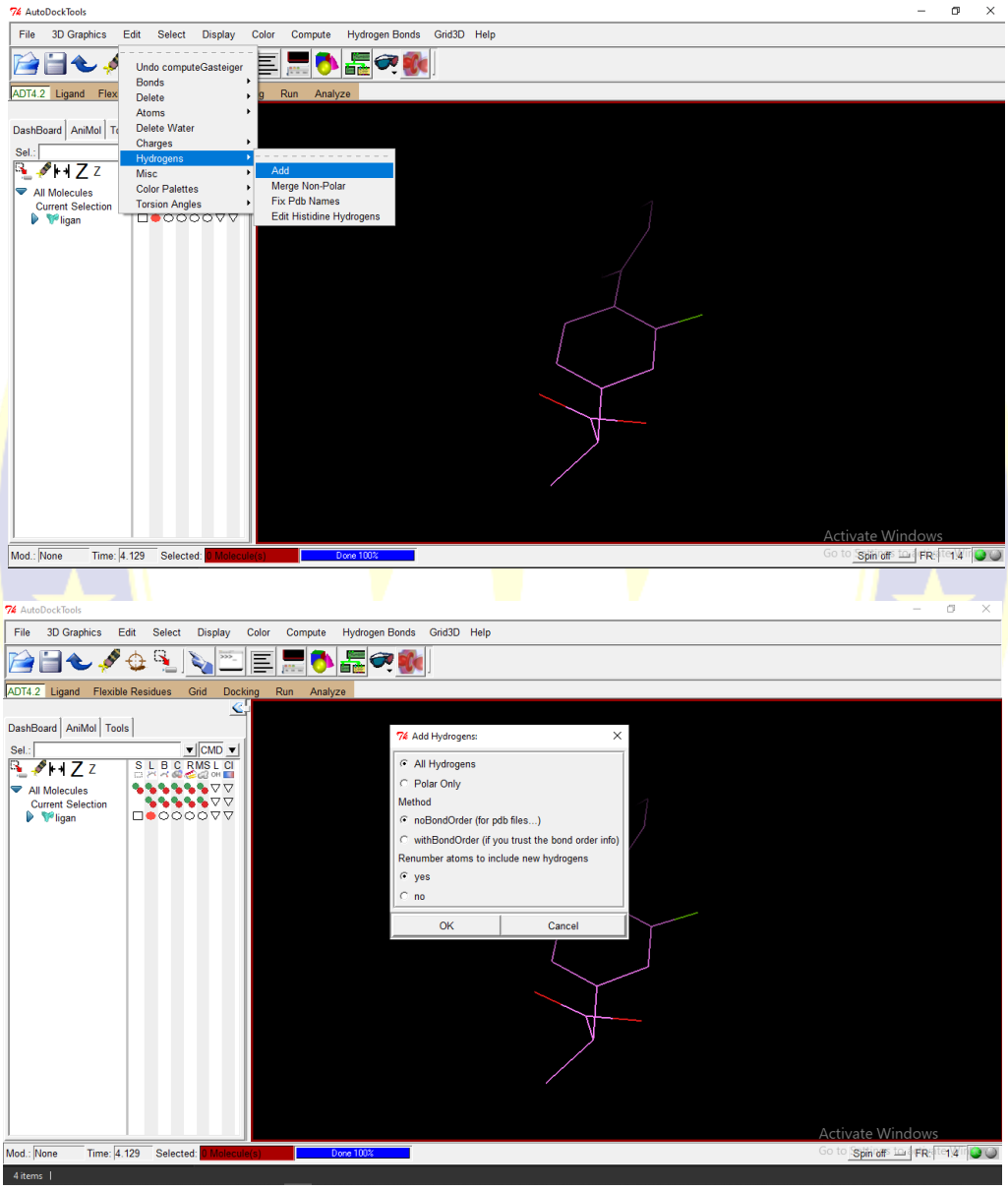
LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*





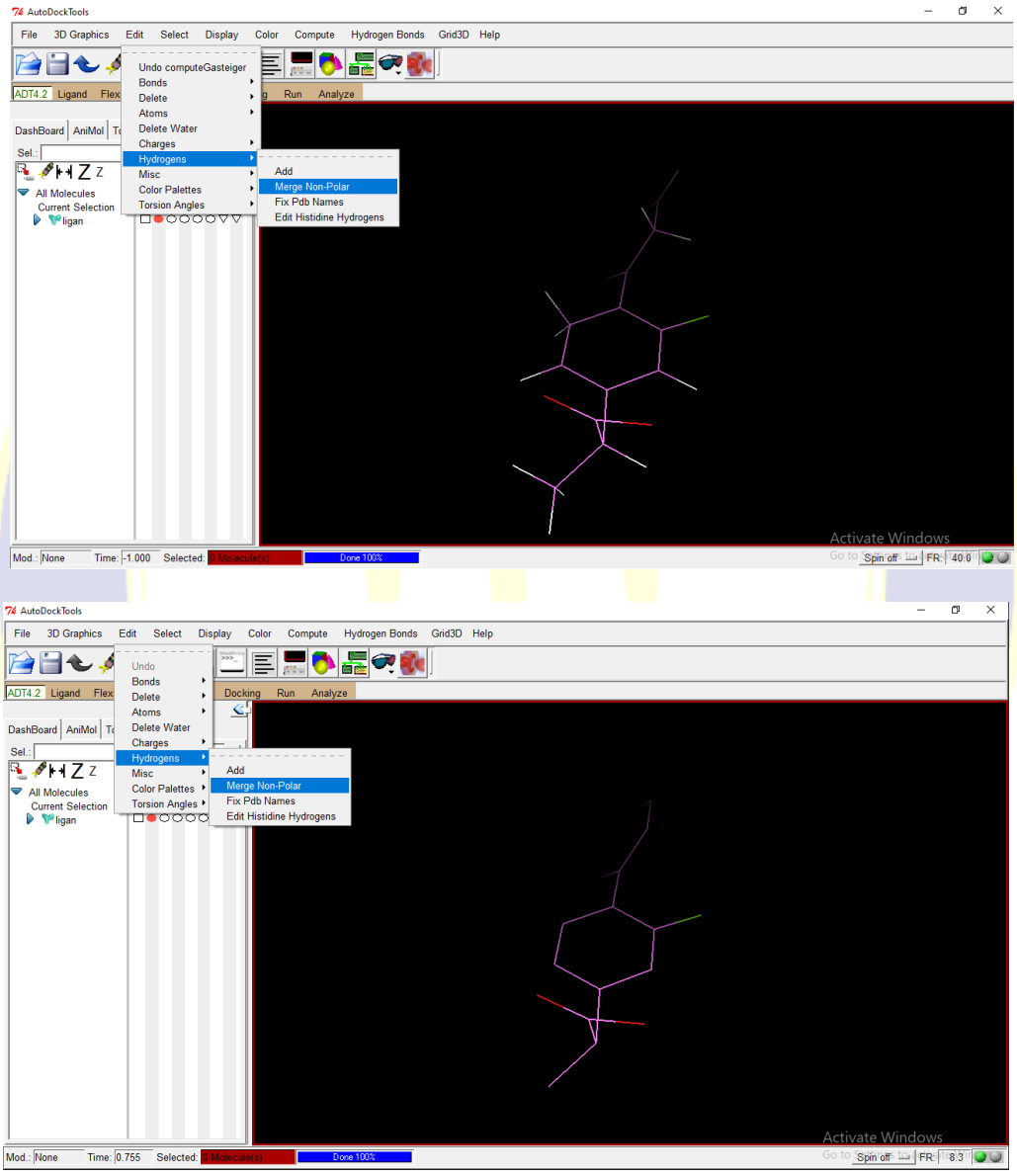
LAMPIRAN 3
(LANJUTAN)

LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*



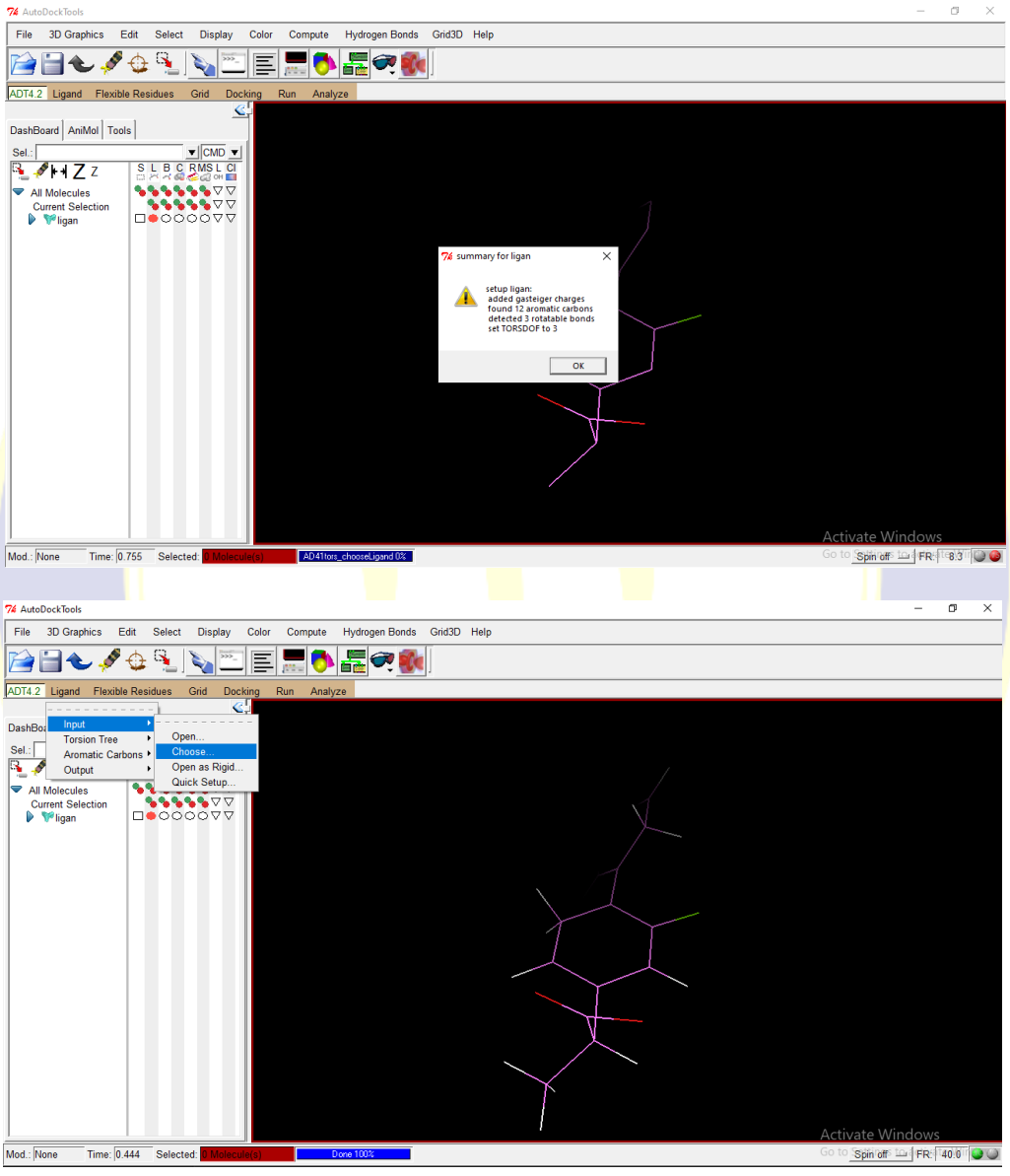
LAMPIRAN 3
(LANJUTAN)

LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*



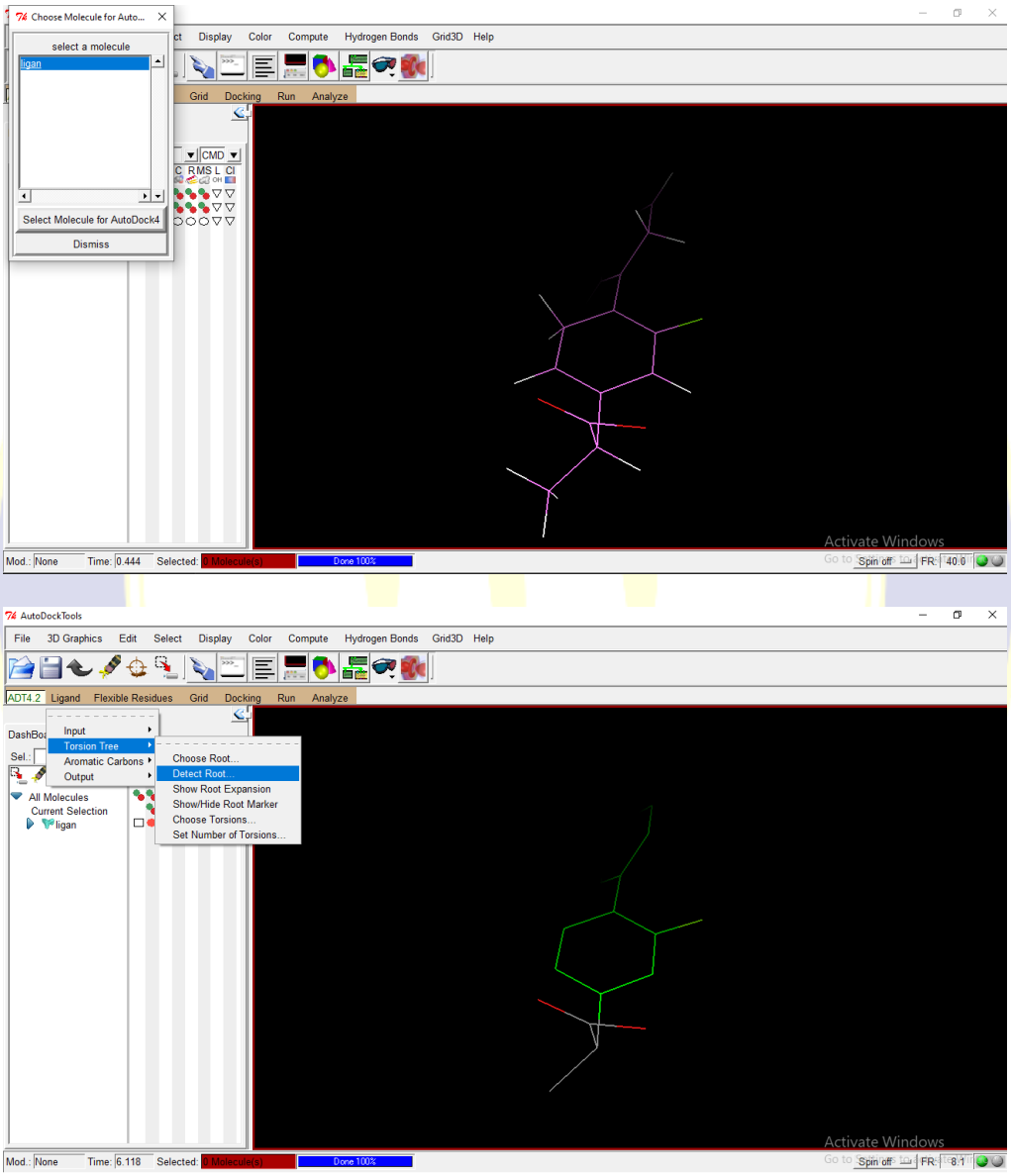
LAMPIRAN 3
(LANJUTAN)

LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*



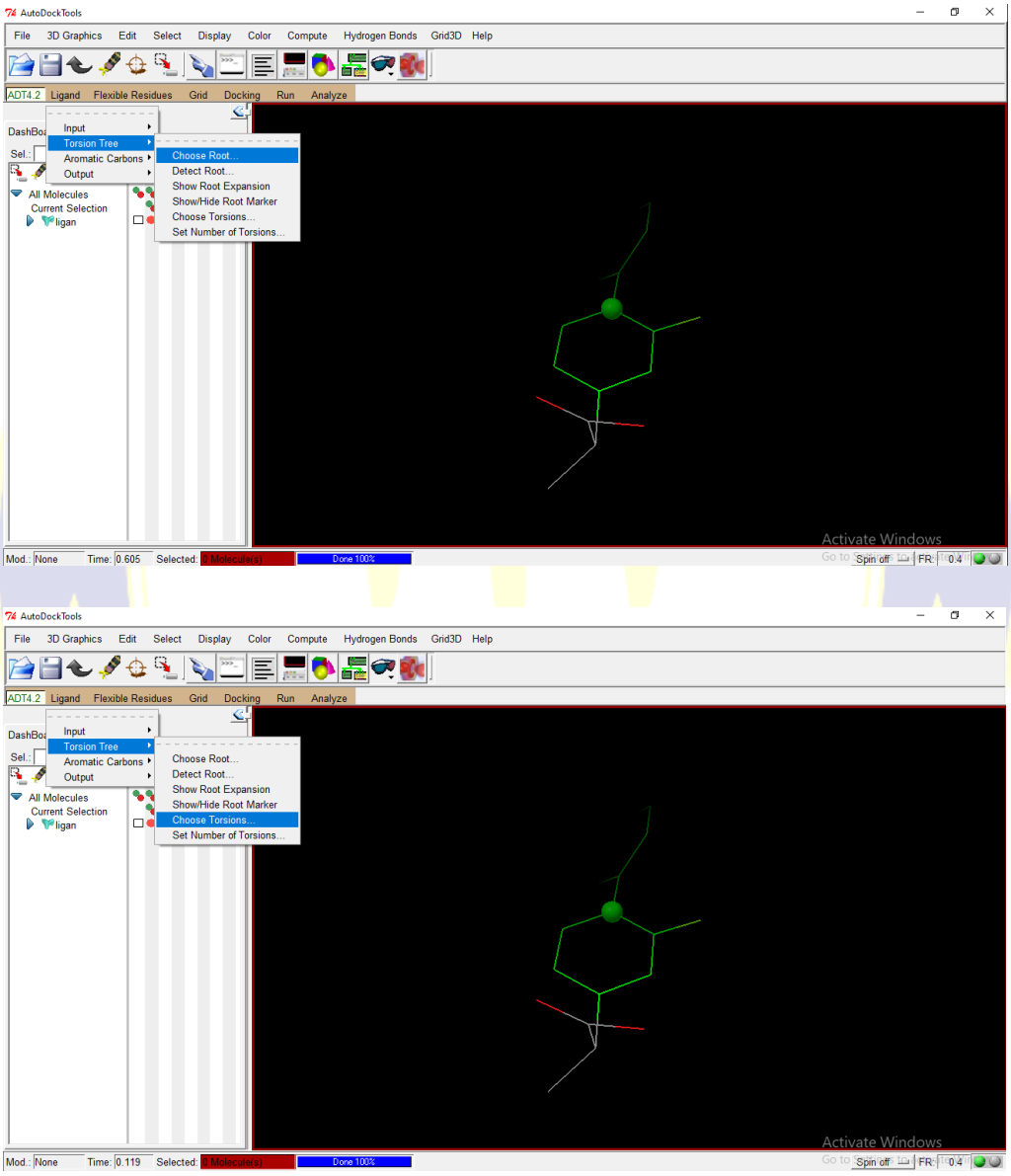
LAMPIRAN 3
(LANJUTAN)

LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*



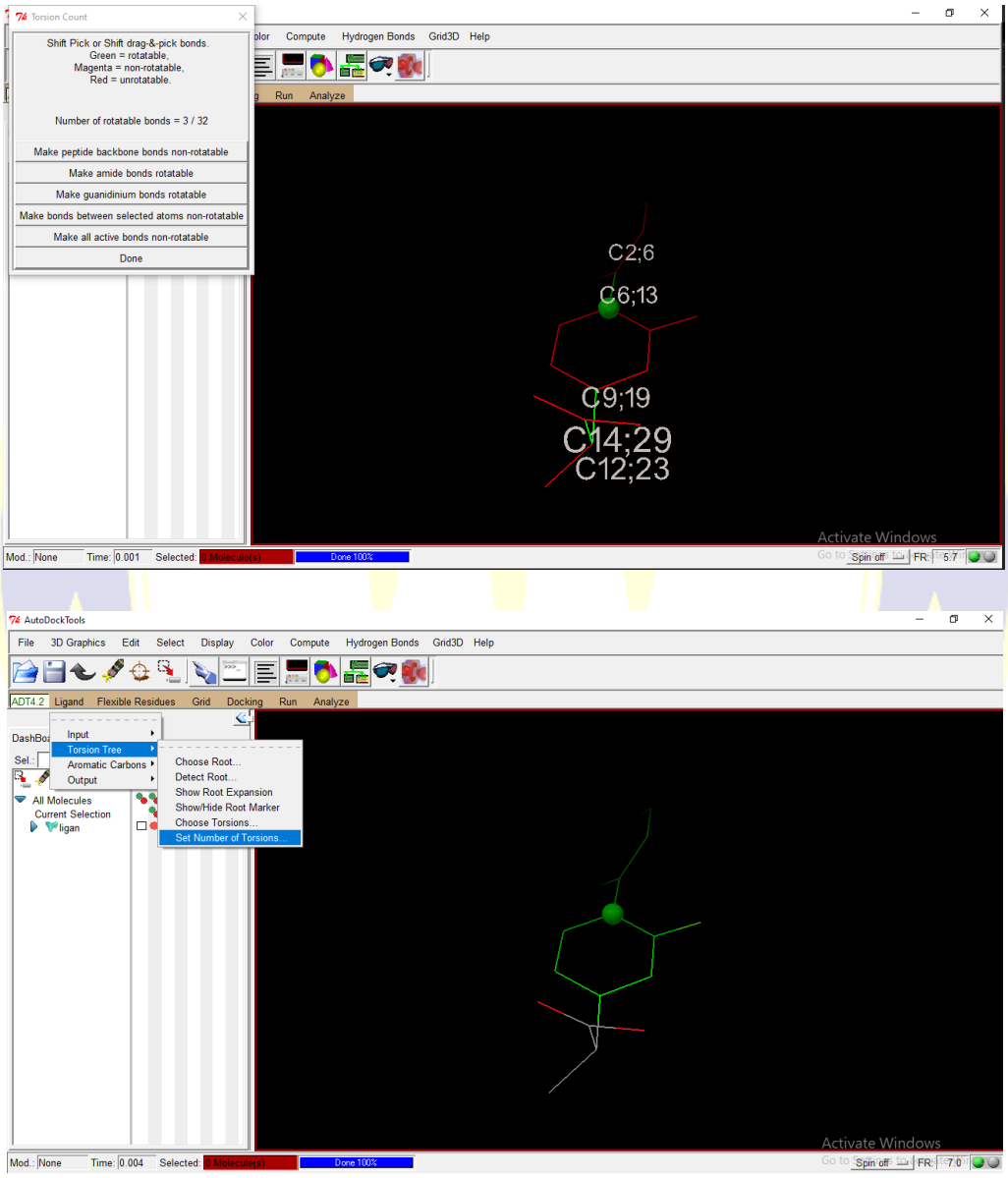
LAMPIRAN 3
(LANJUTAN)

LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*



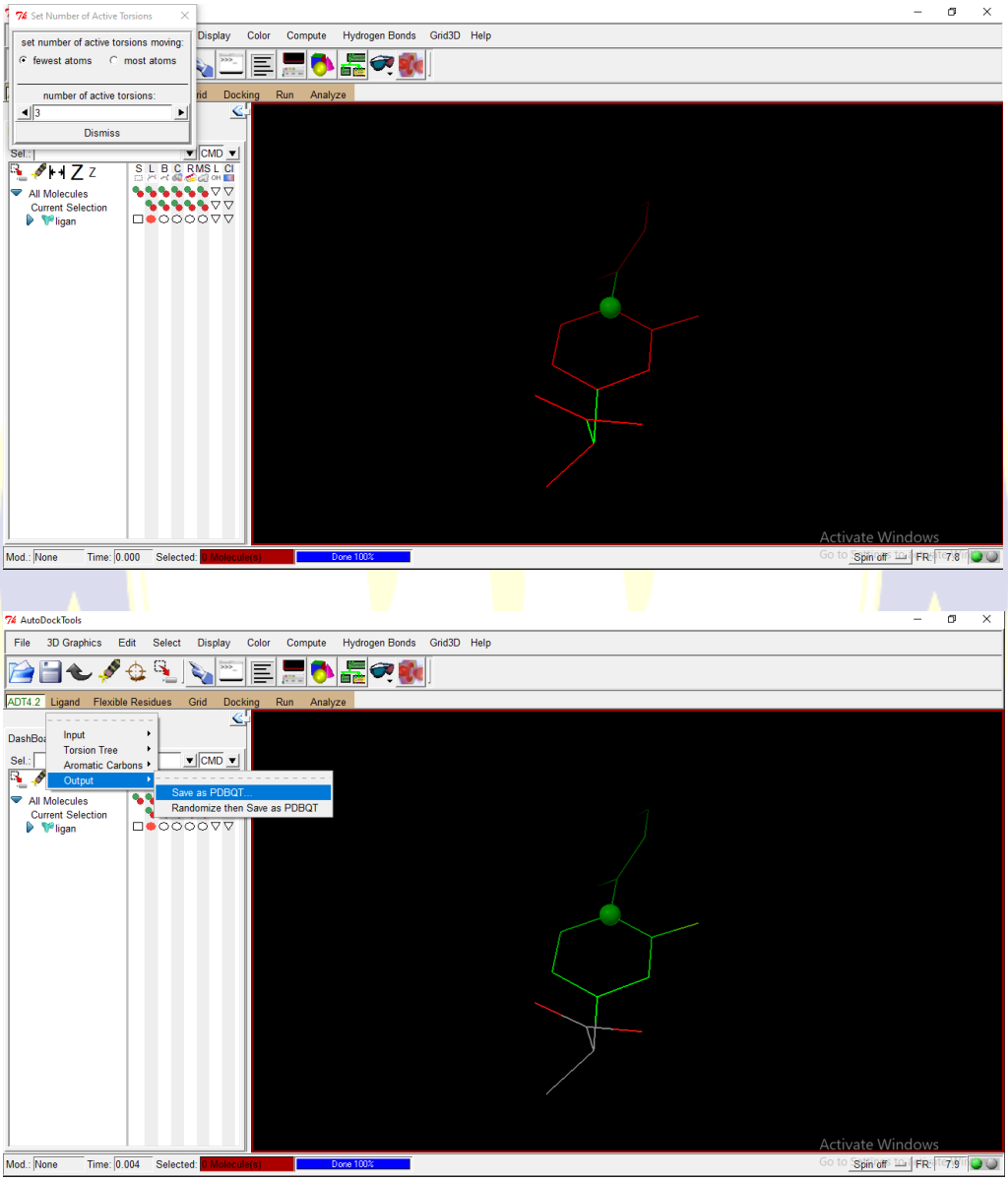
LAMPIRAN 3
(LANJUTAN)

LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*



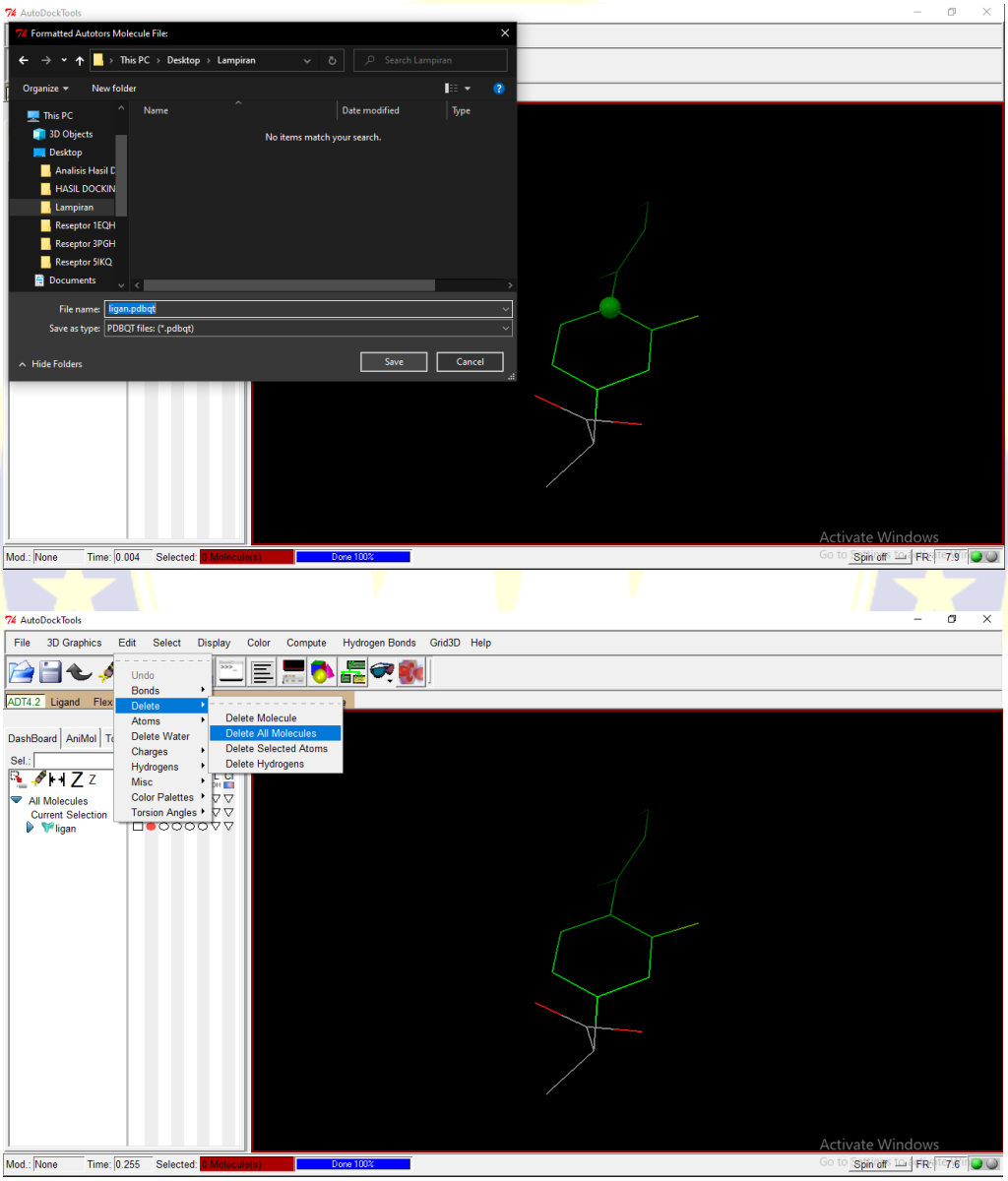
LAMPIRAN 3
(LANJUTAN)

LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*



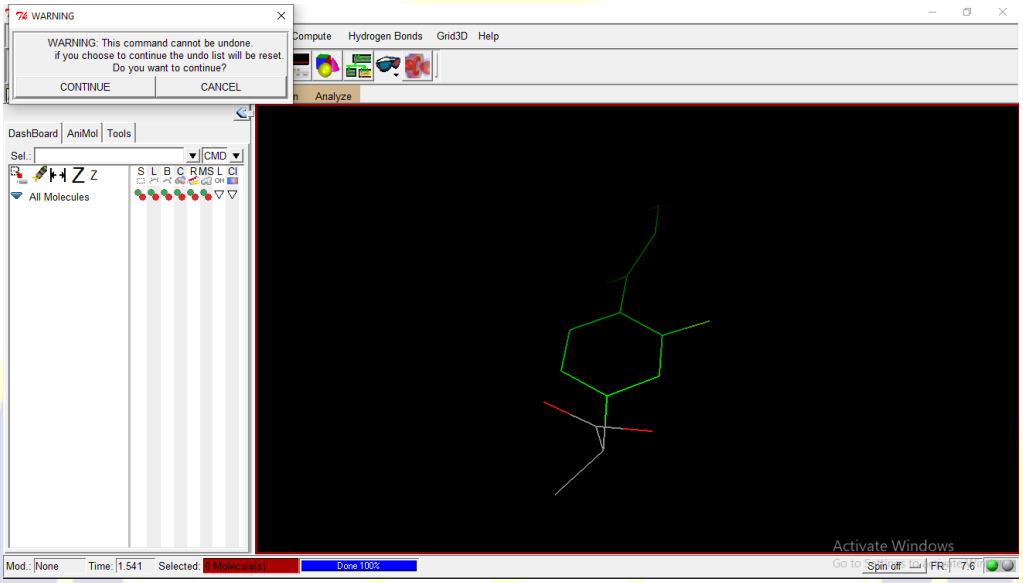
LAMPIRAN 3
(LANJUTAN)

LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*



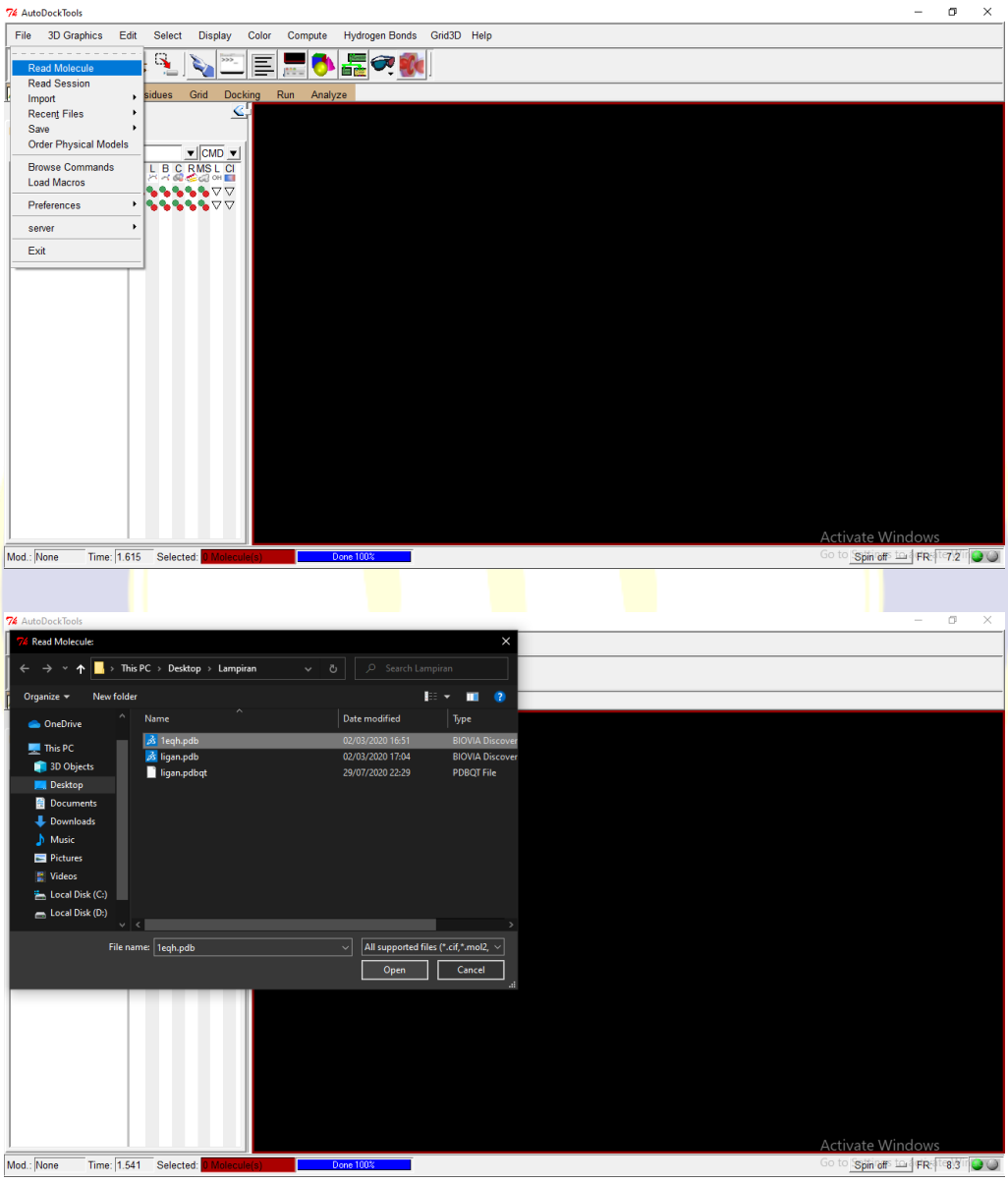
LAMPIRAN 3
(LANJUTAN)

LANGKAH – LANGKAH PREPARASI LIGAN DENGAN APLIKASI *AutoDock Tools*



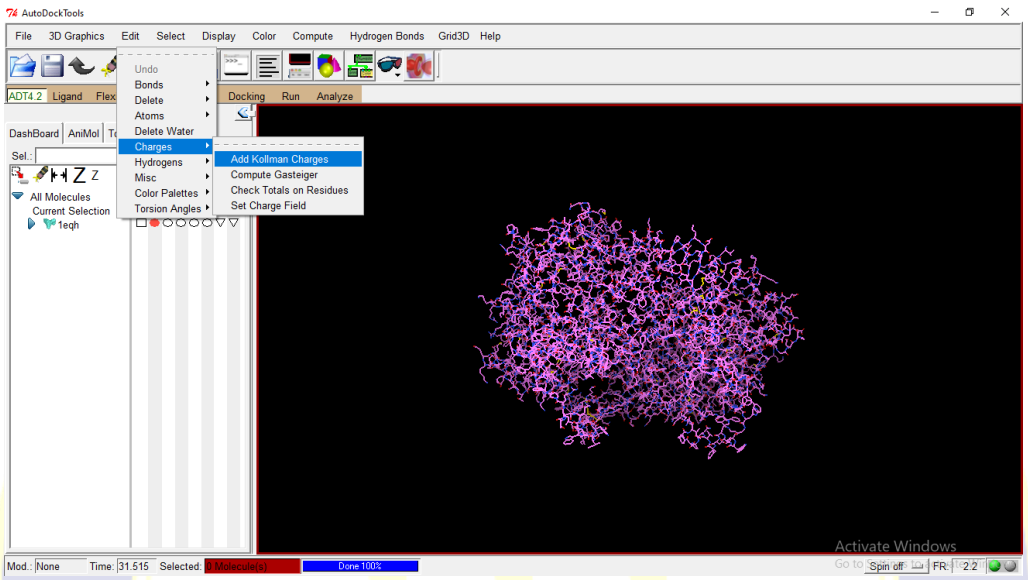
LAMPIRAN 4

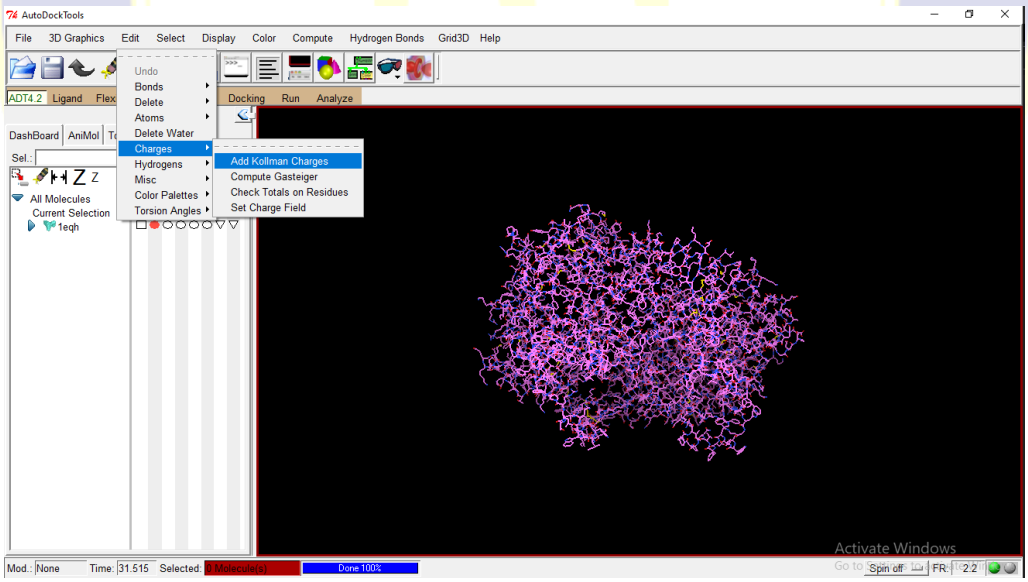
LANGKAH-LANGKAH PREPARASI RESEPTOR DENGAN APLIKASI *AutoDock Tools*



LAMPIRAN 4
(LANJUTAN)

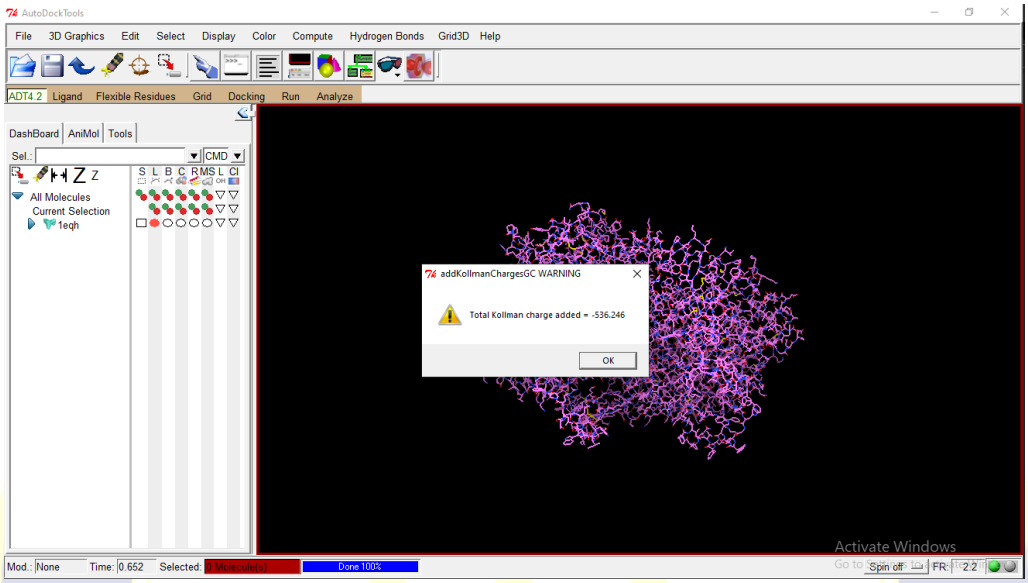
LANGKAH-LANGKAH PREPARASI RESEPTOR DENGAN APLIKASI *AutoDock Tools*

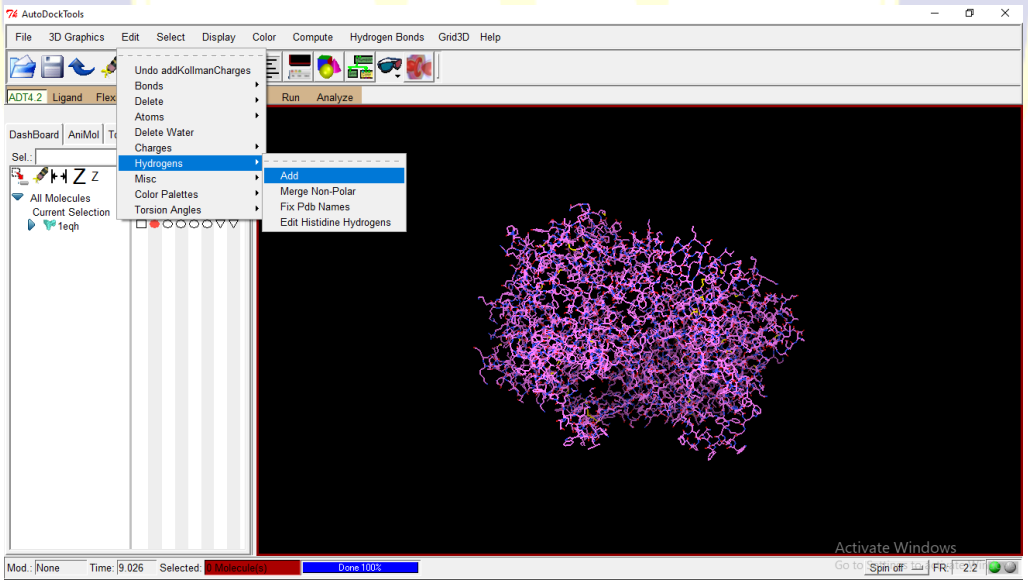




LAMPIRAN 4
(LANJUTAN)

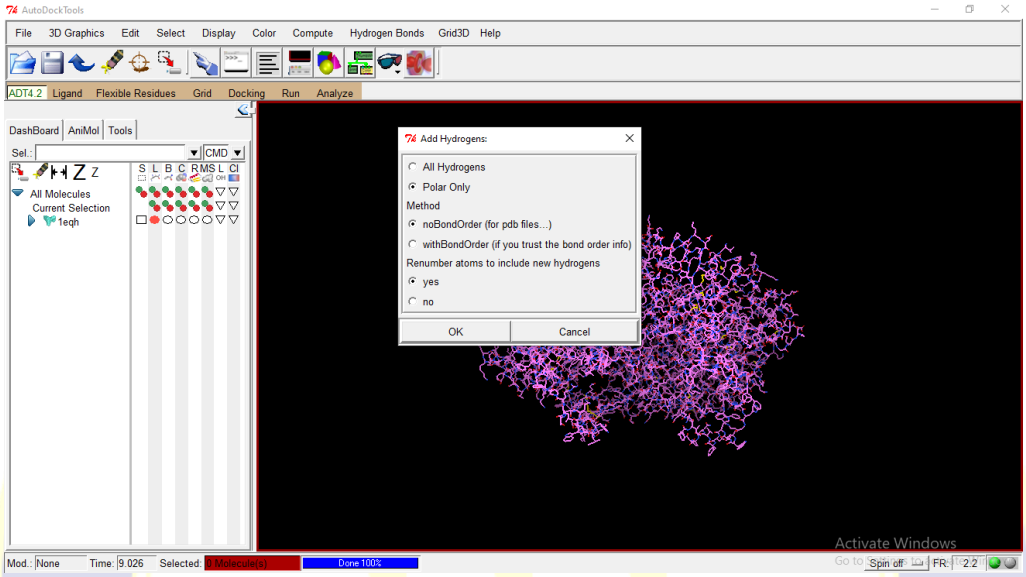
LANGKAH-LANGKAH PREPARASI RESEPTOR DENGAN APLIKASI *AutoDock Tools*

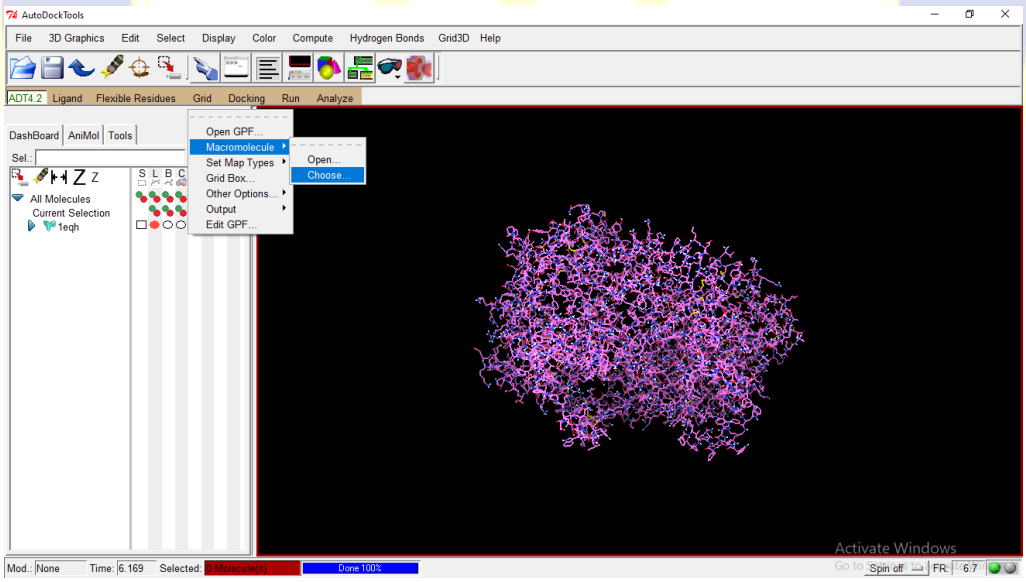




LAMPIRAN 4
(LANJUTAN)

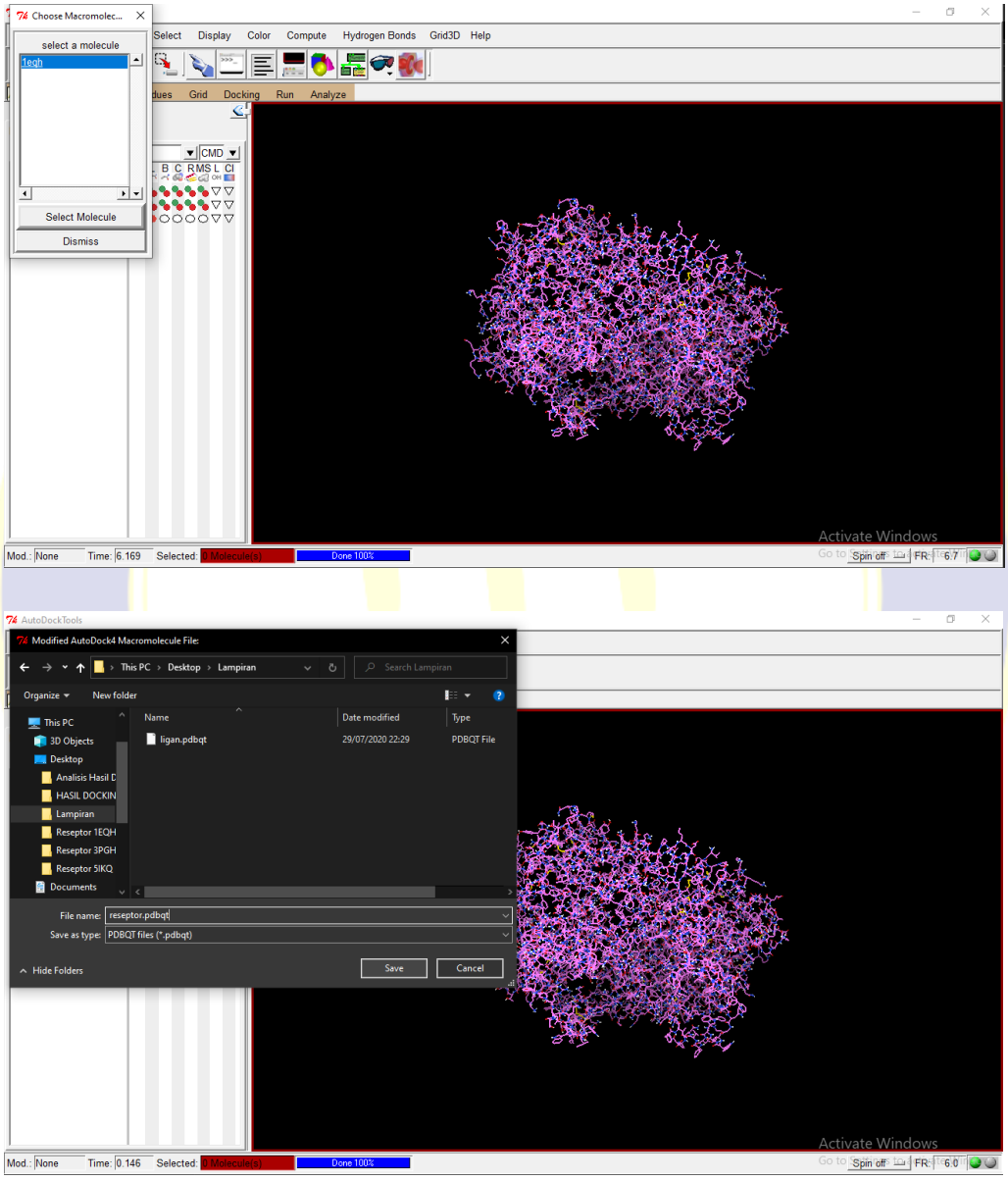
LANGKAH-LANGKAH PREPARASI RESEPTOR DENGAN APLIKASI *AutoDock Tools*





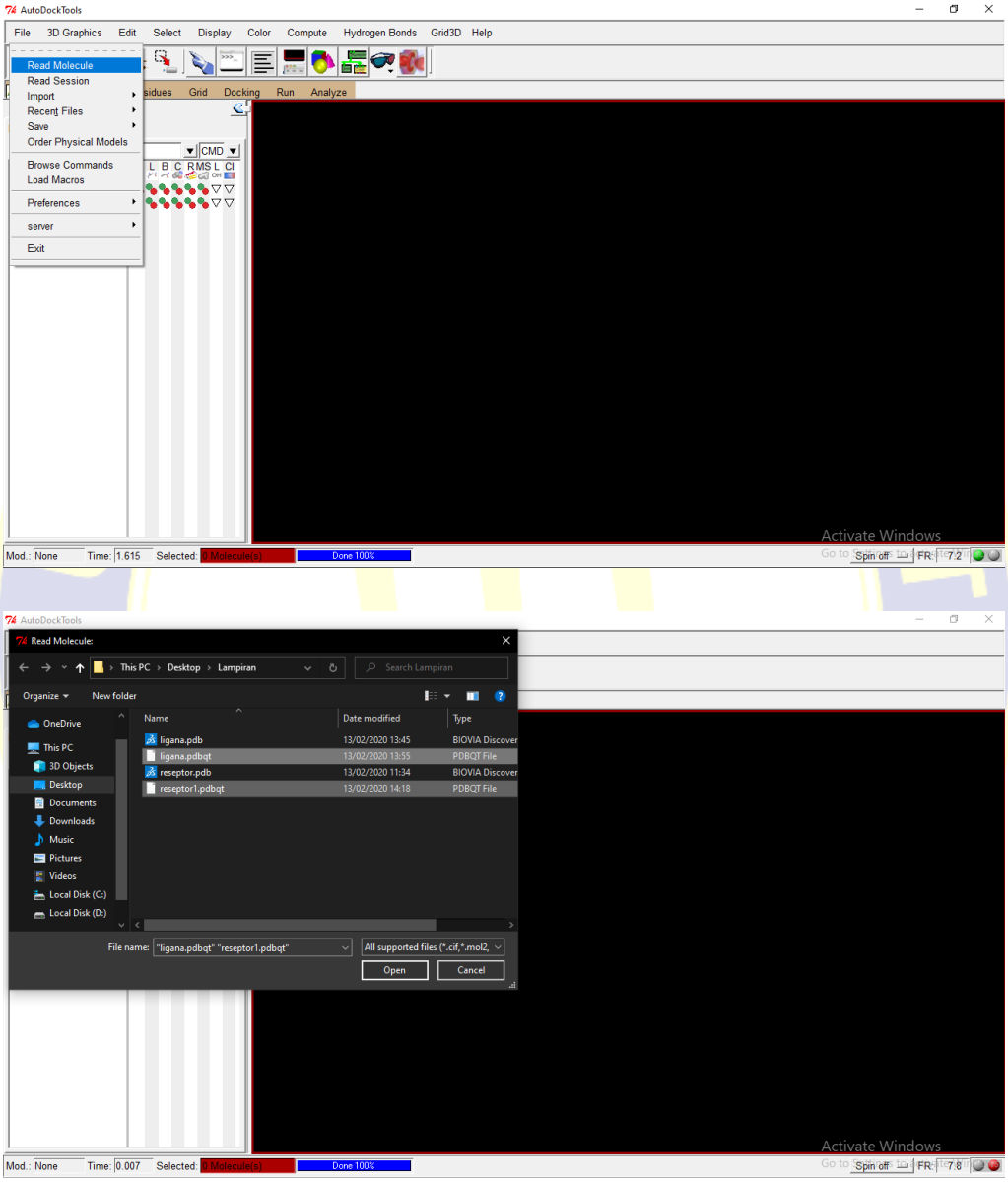
LAMPIRAN 4
(LANJUTAN)

LANGKAH-LANGKAH PREPARASI RESEPTOR DENGAN APLIKASI *AutoDock Tools*



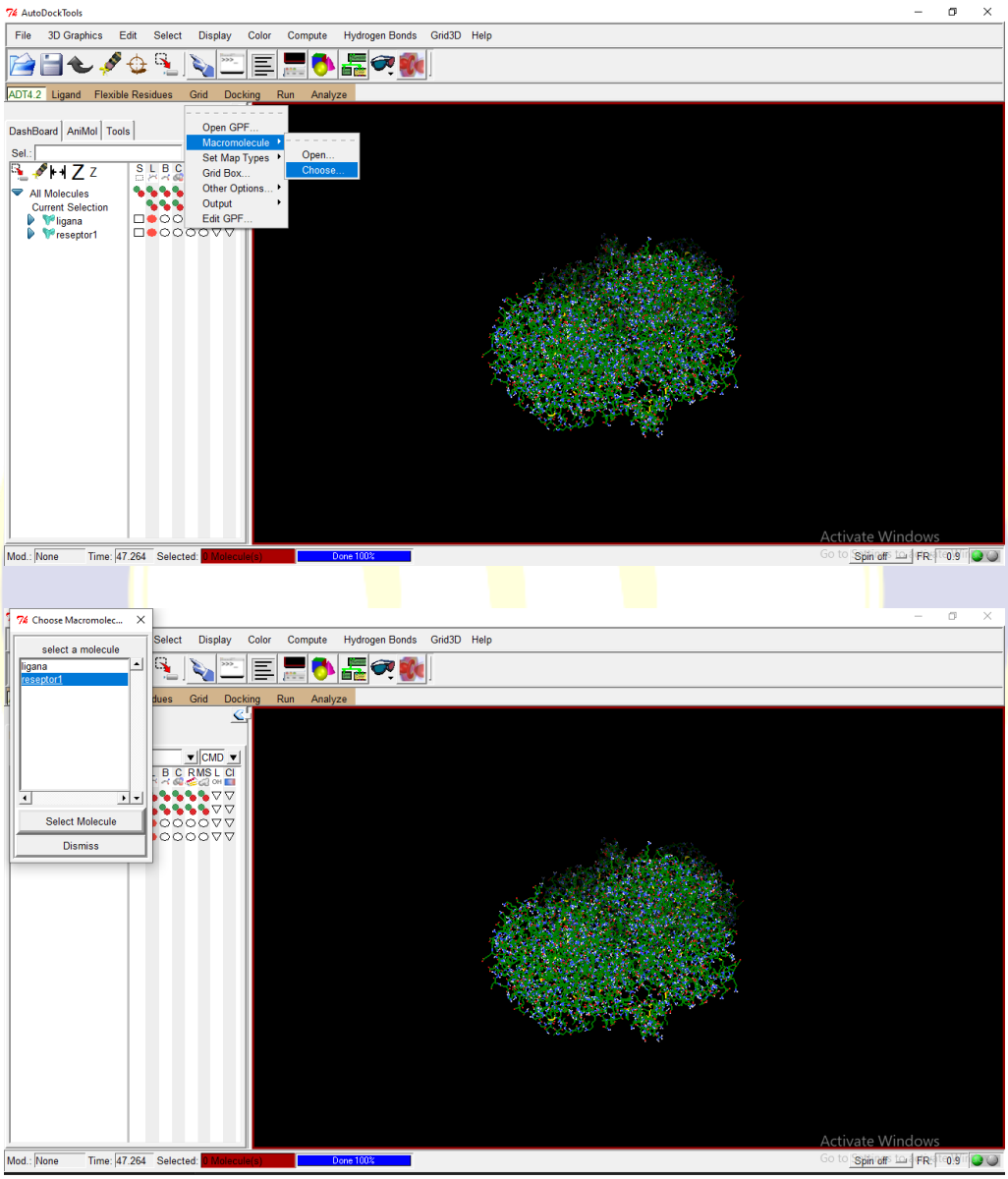
LAMPIRAN 5

LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



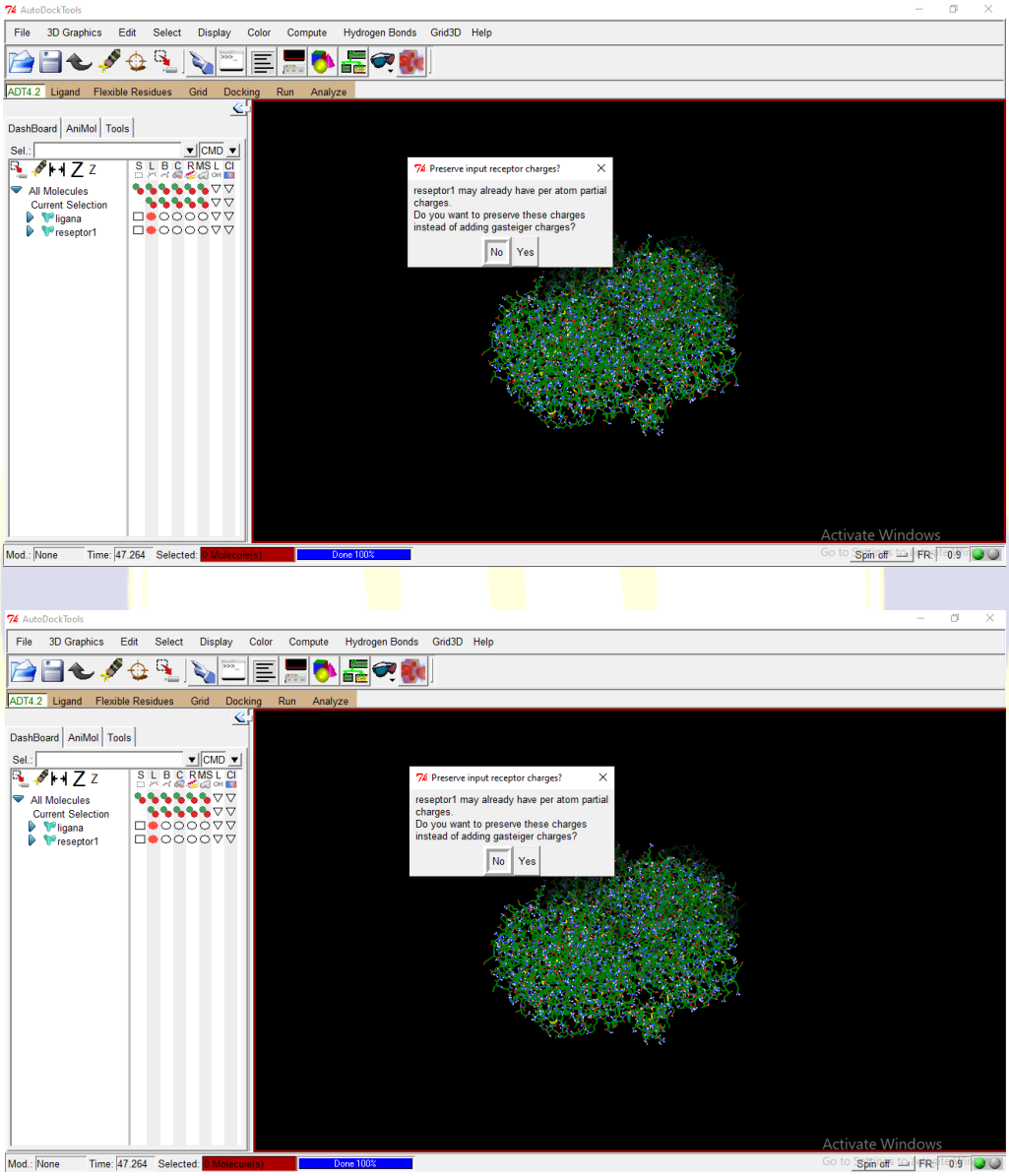
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECUOLAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



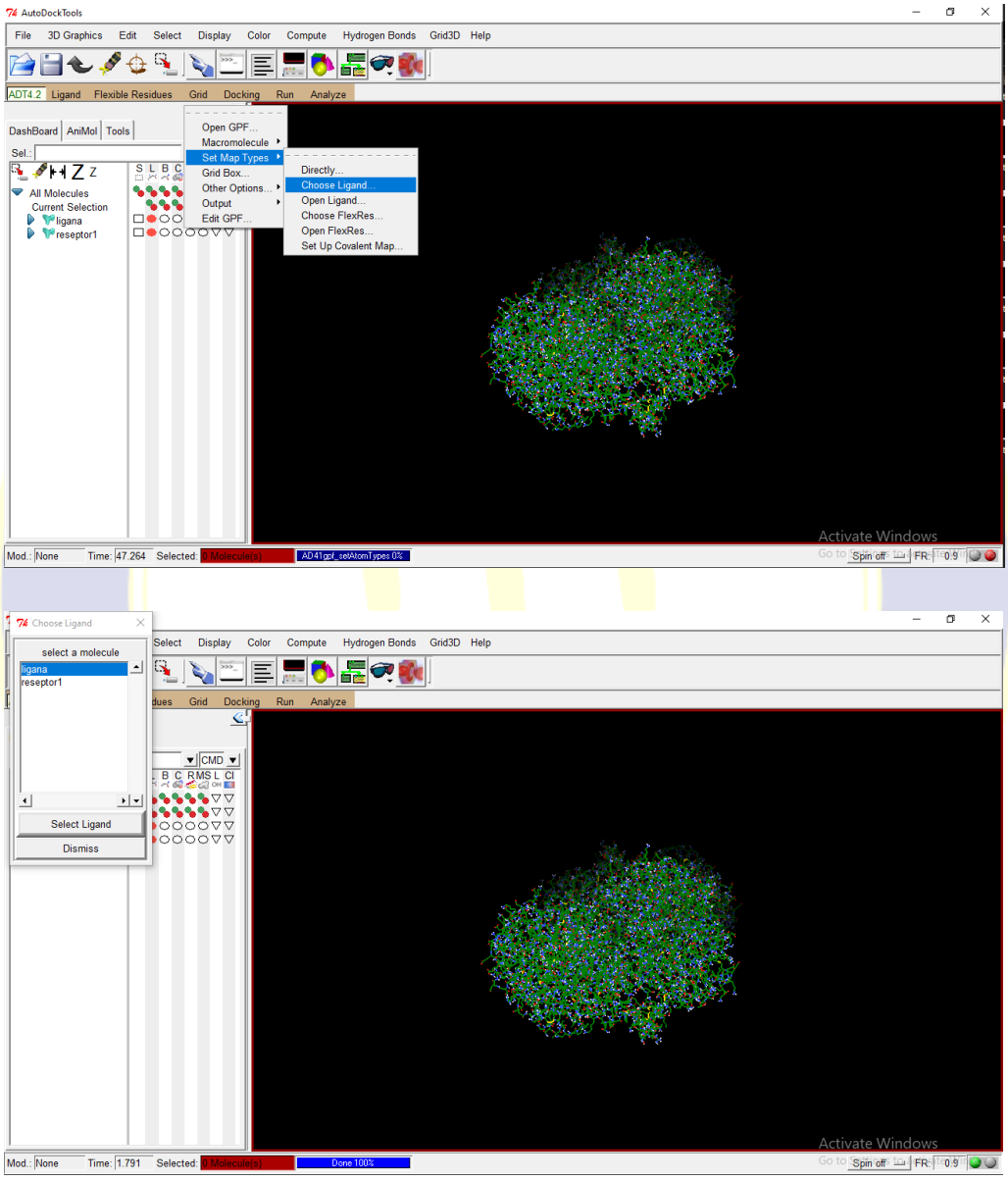
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECUOLAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



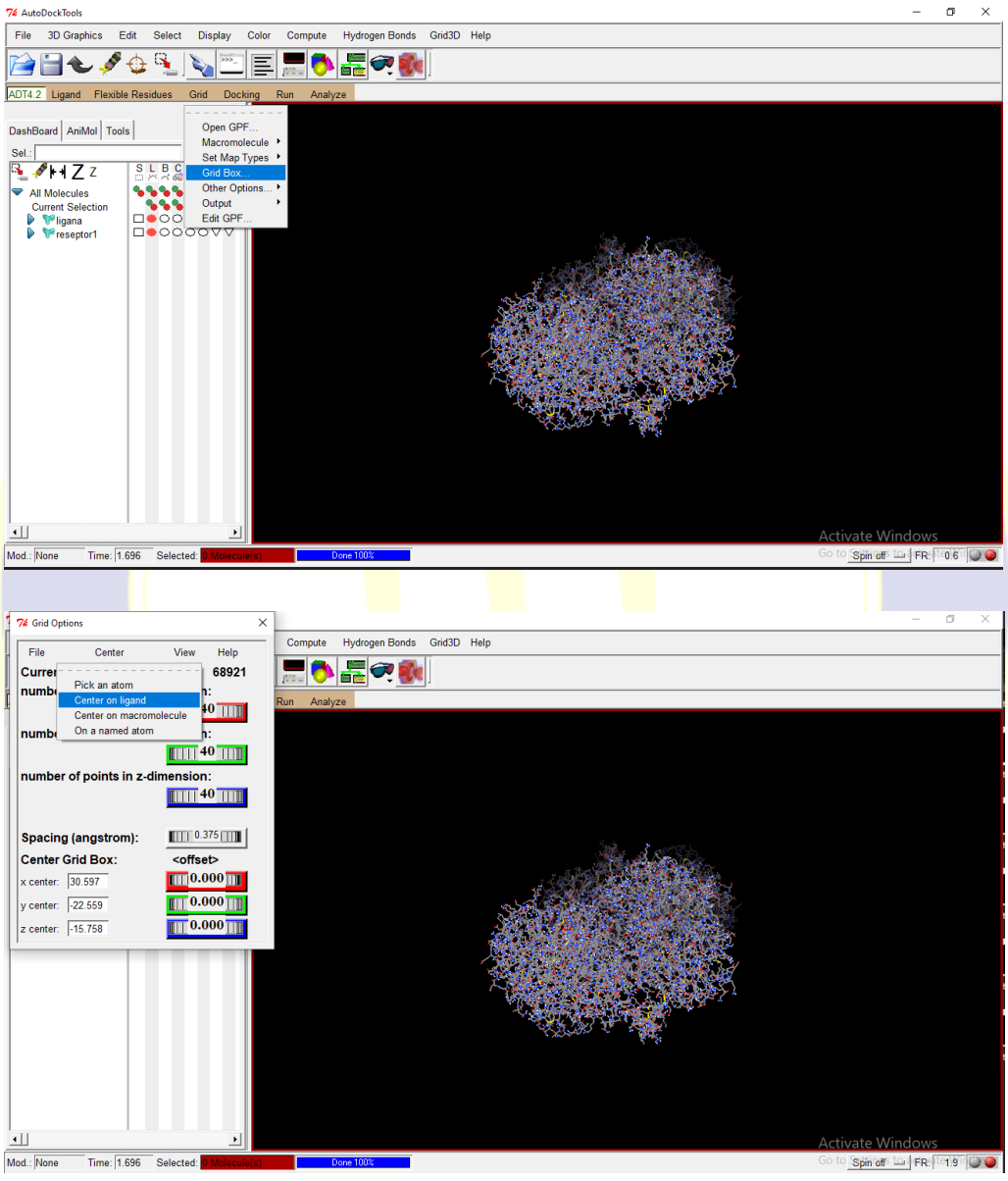
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECUOLAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



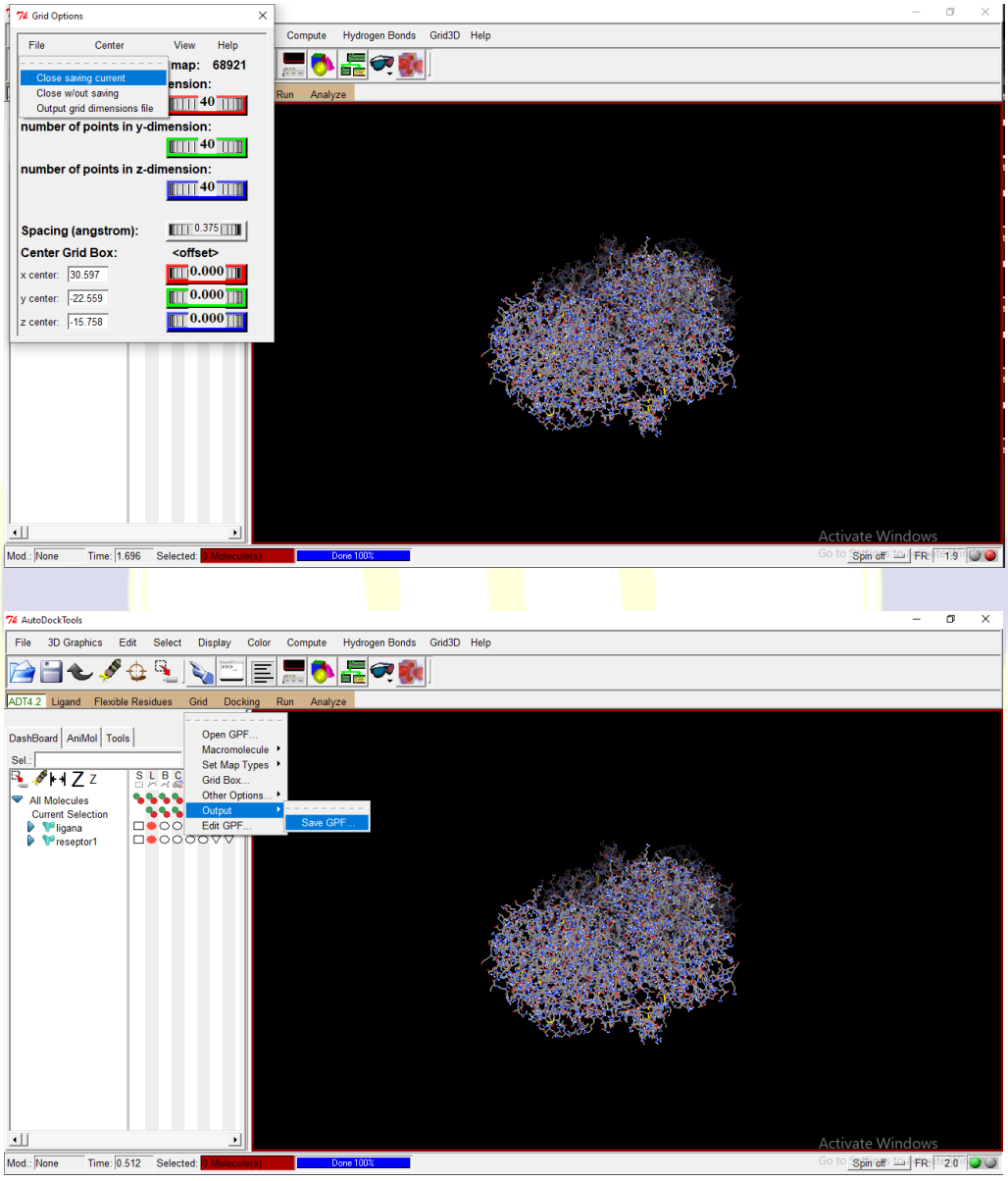
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECUOLAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



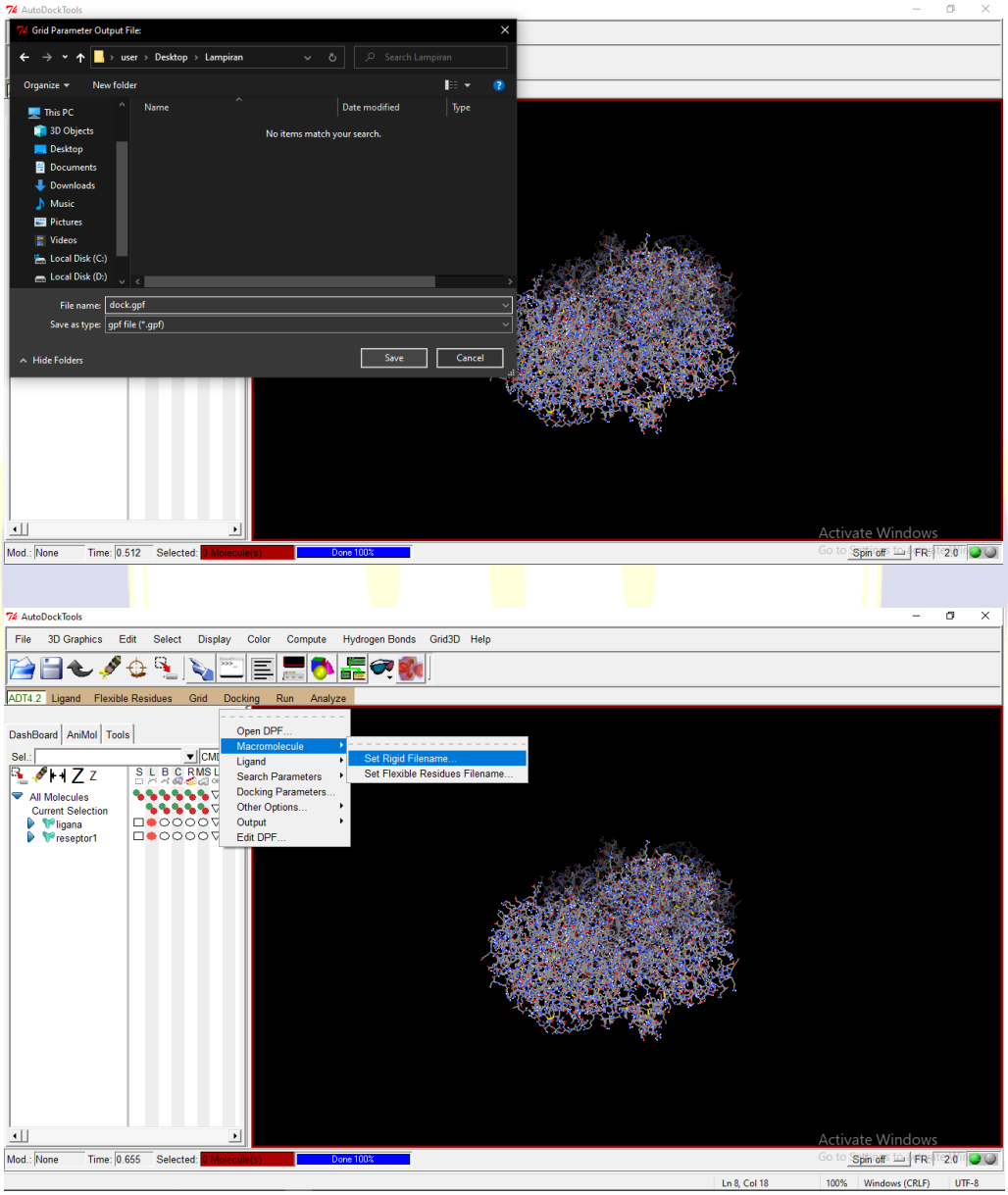
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



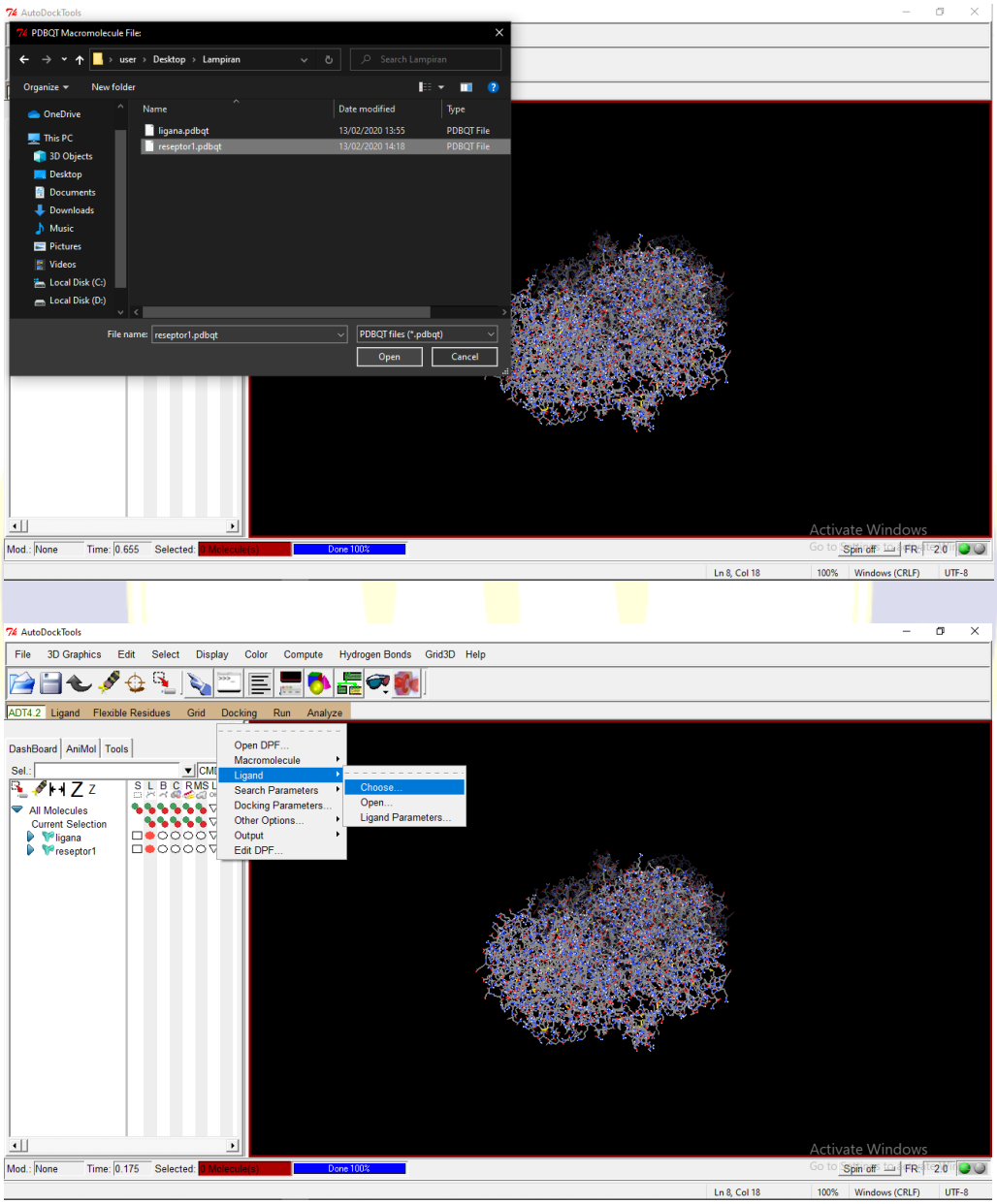
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



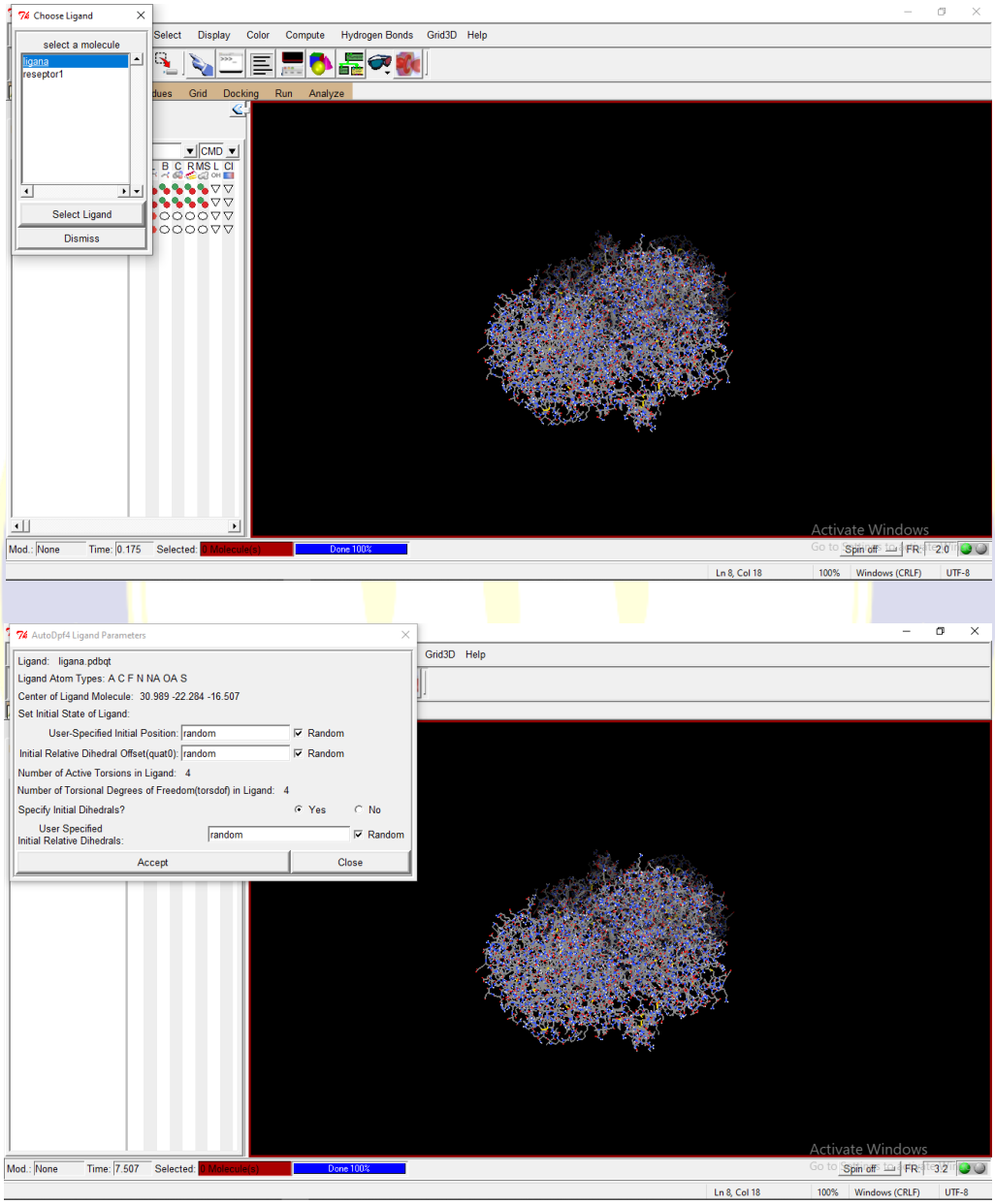
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



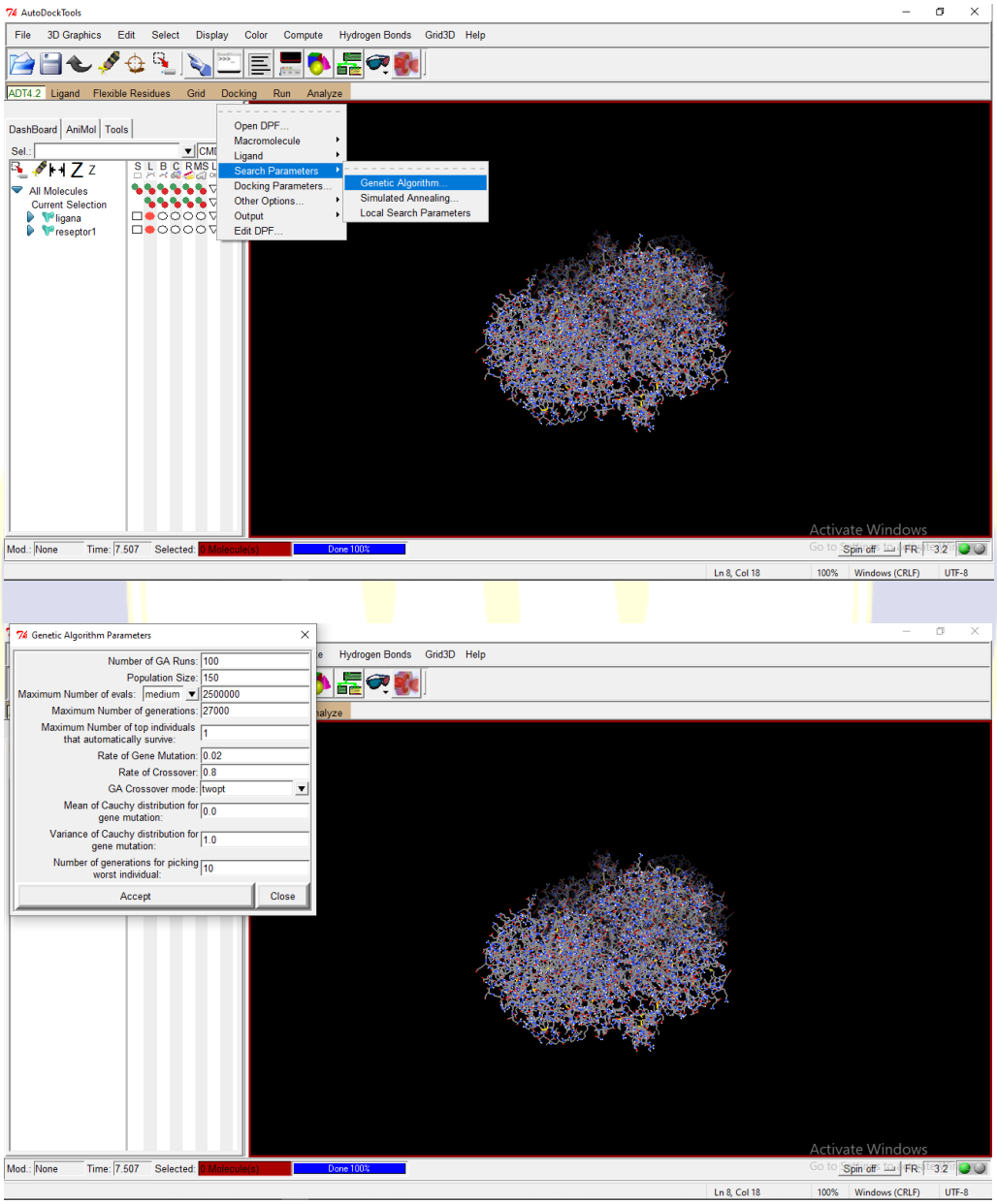
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



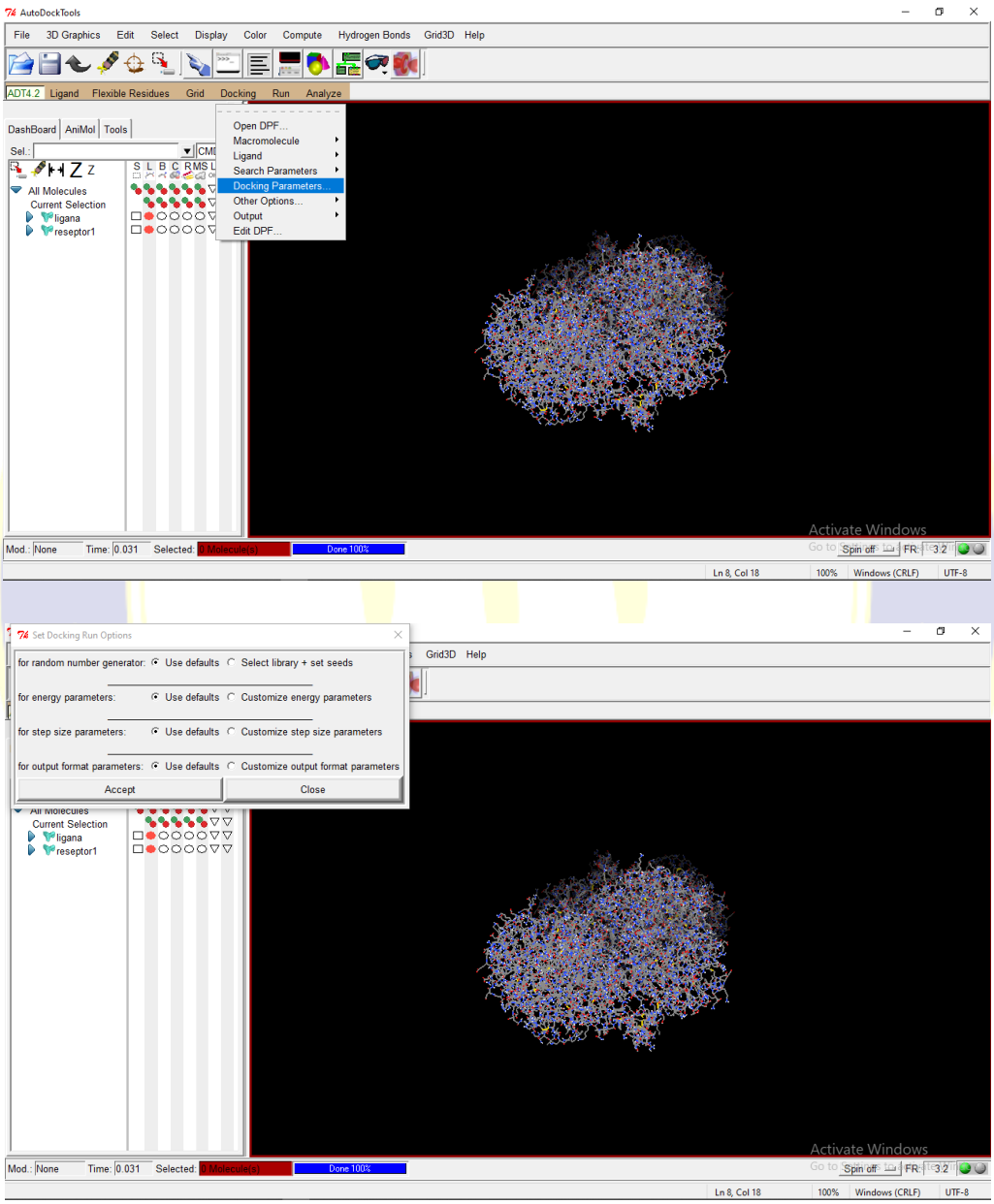
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



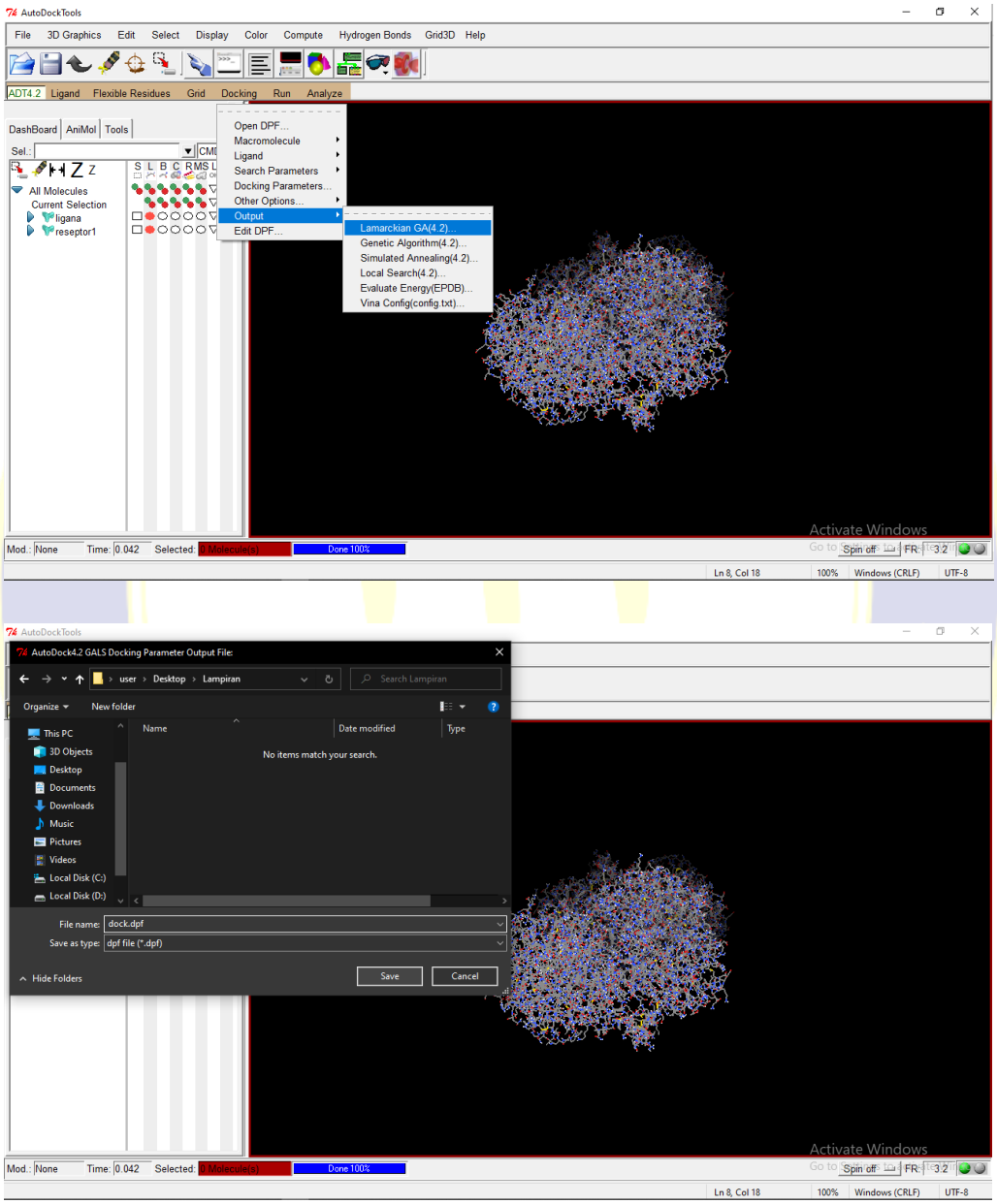
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



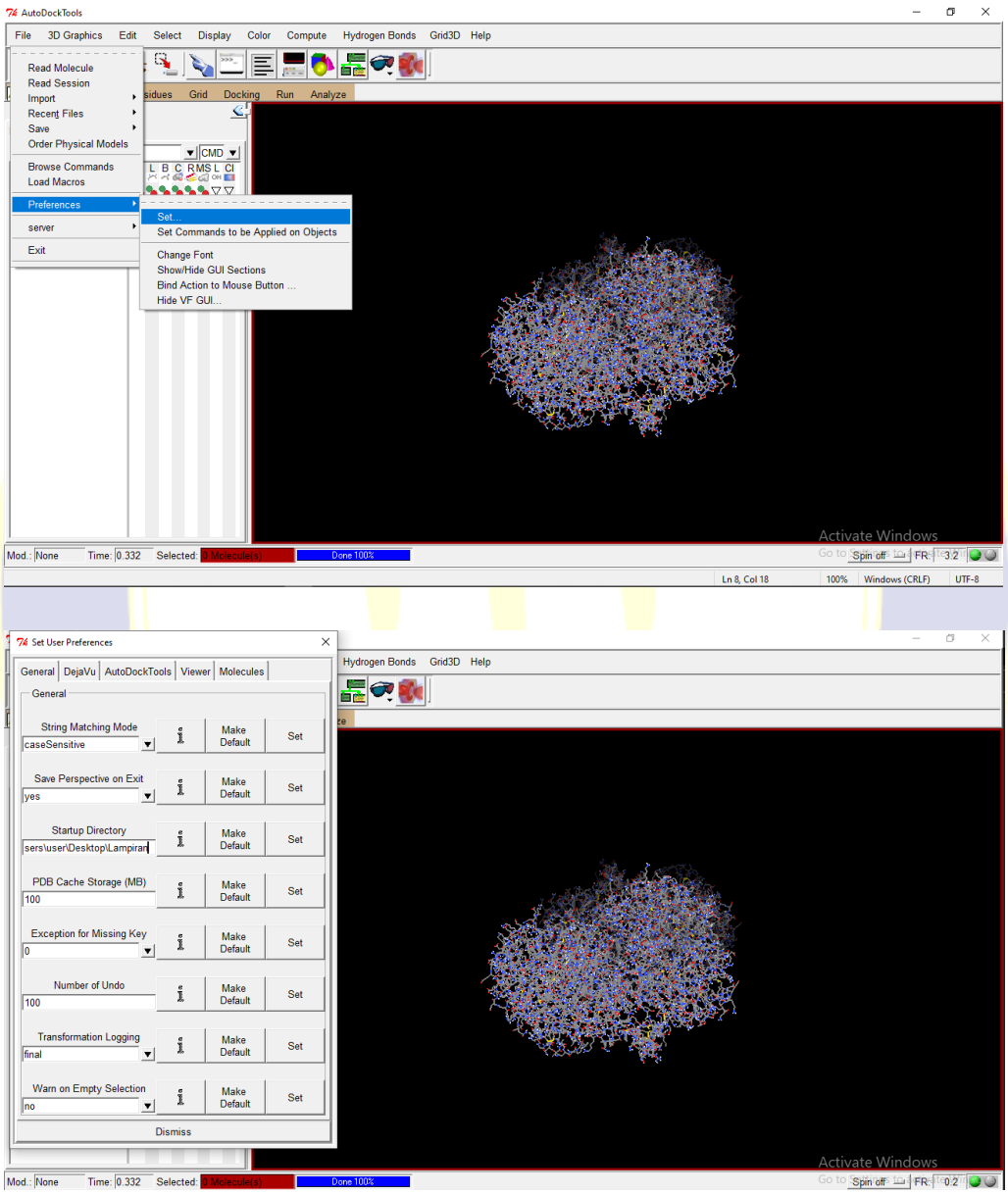
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



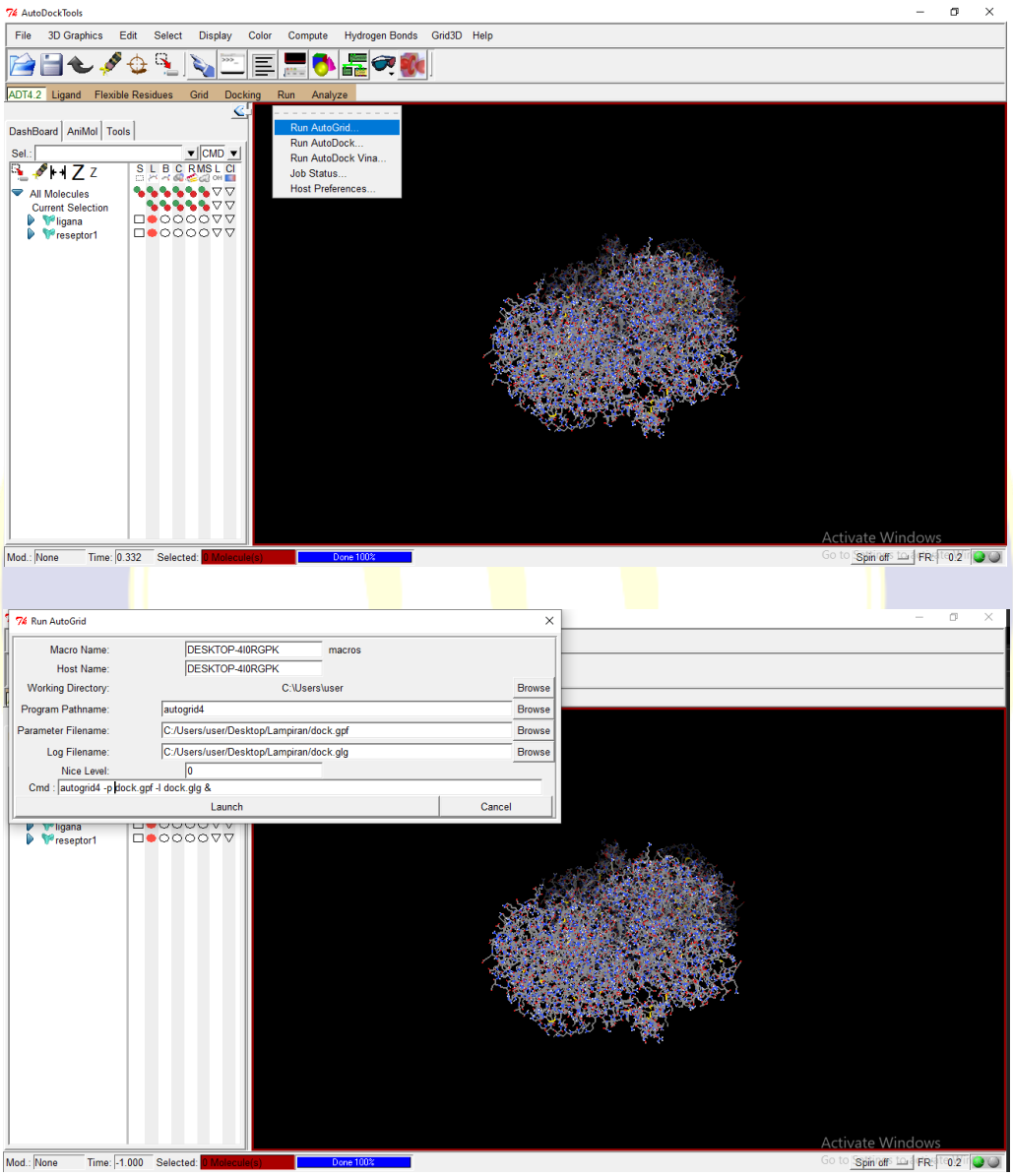
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



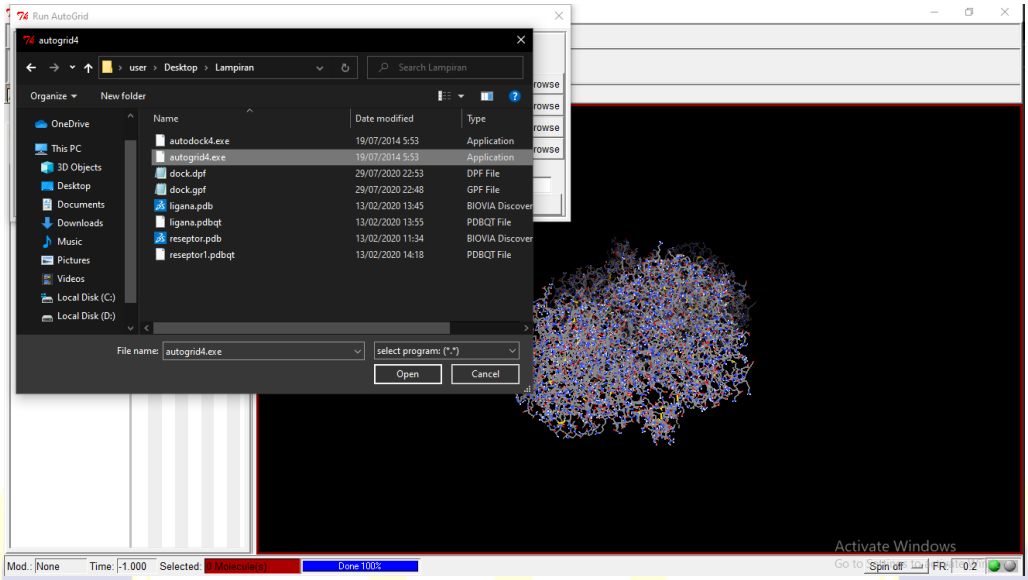
LAMPIRAN 5
(LANJUTAN)

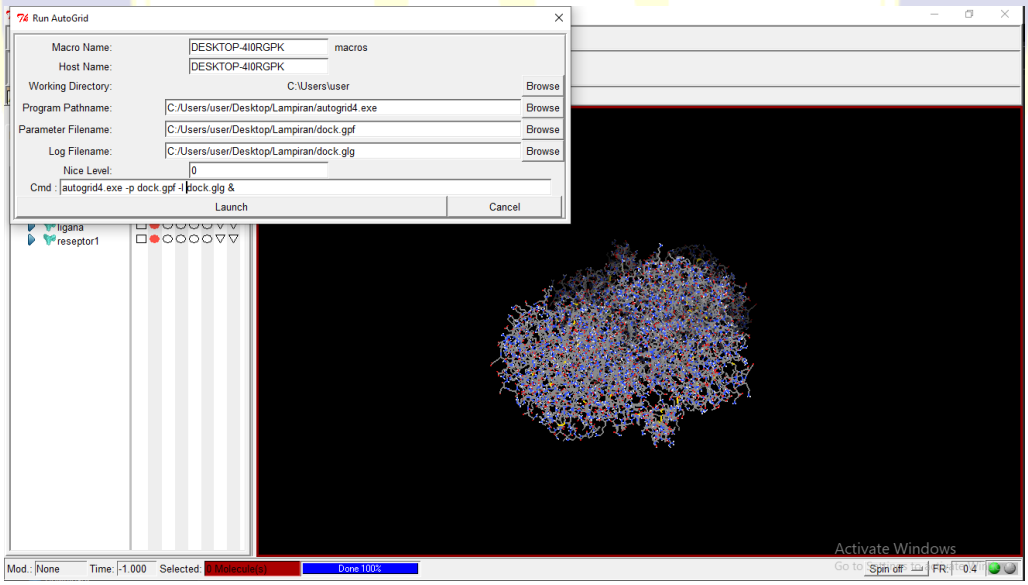
LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



LAMPIRAN 5
(LANJUTAN)

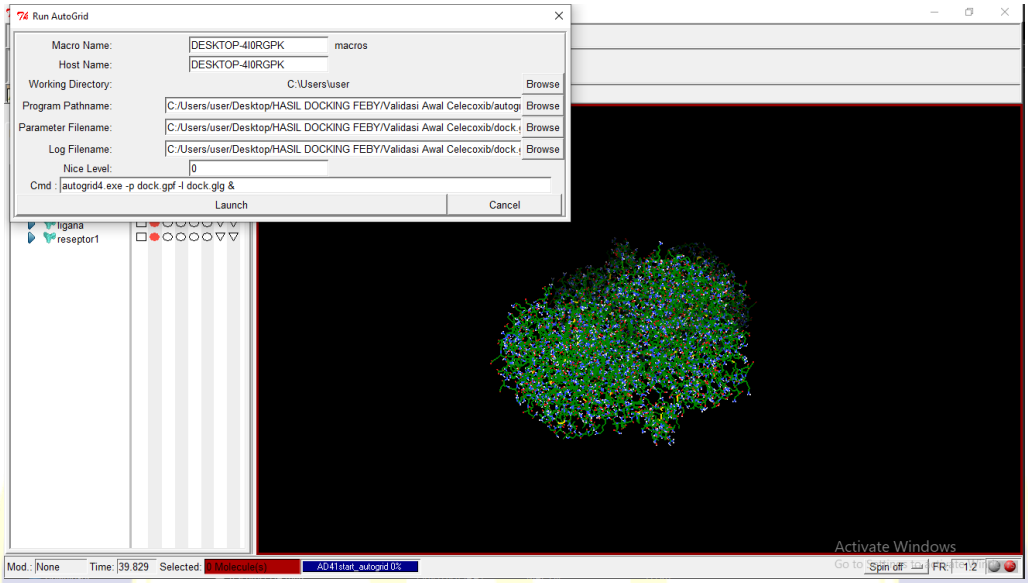
LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*

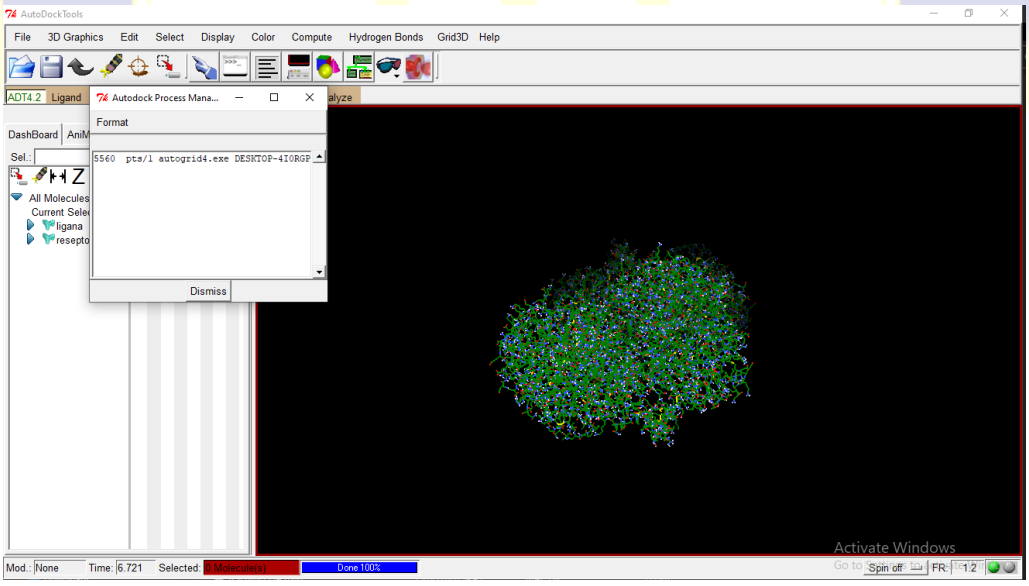




LAMPIRAN 5
(LANJUTAN)

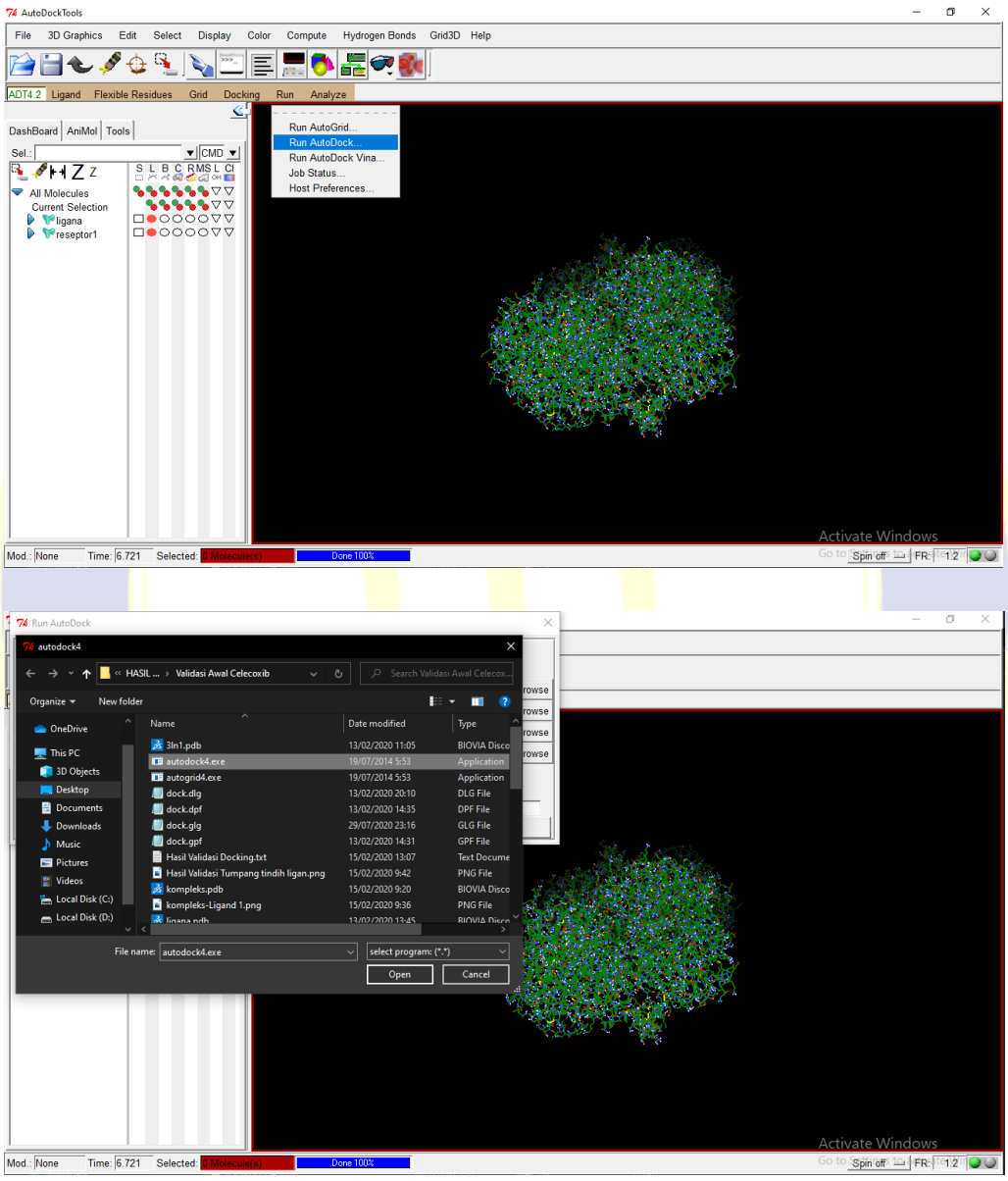
LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*





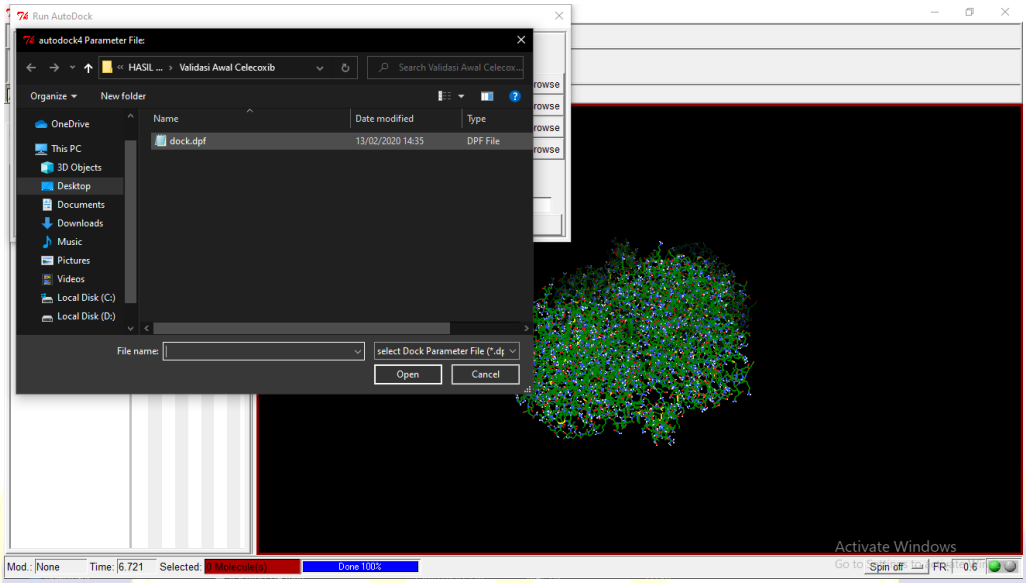
LAMPIRAN 5
(LANJUTAN)

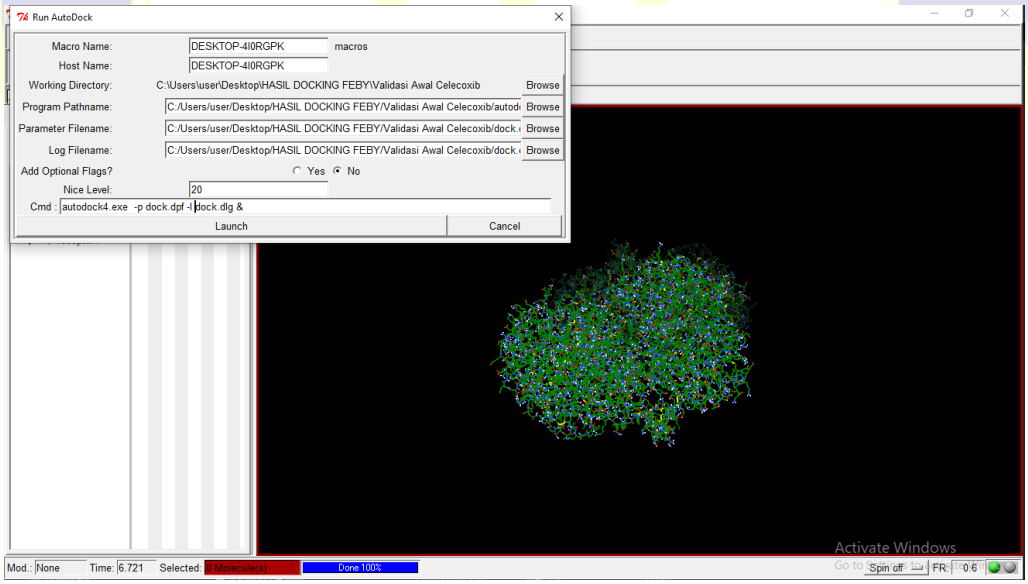
LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



LAMPIRAN 5
(LANJUTAN)

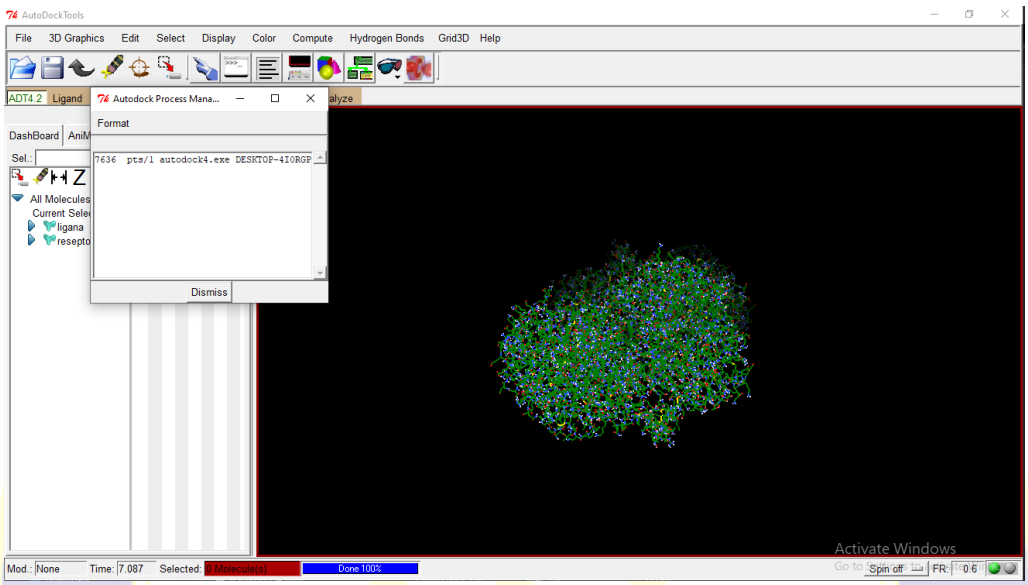
LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*





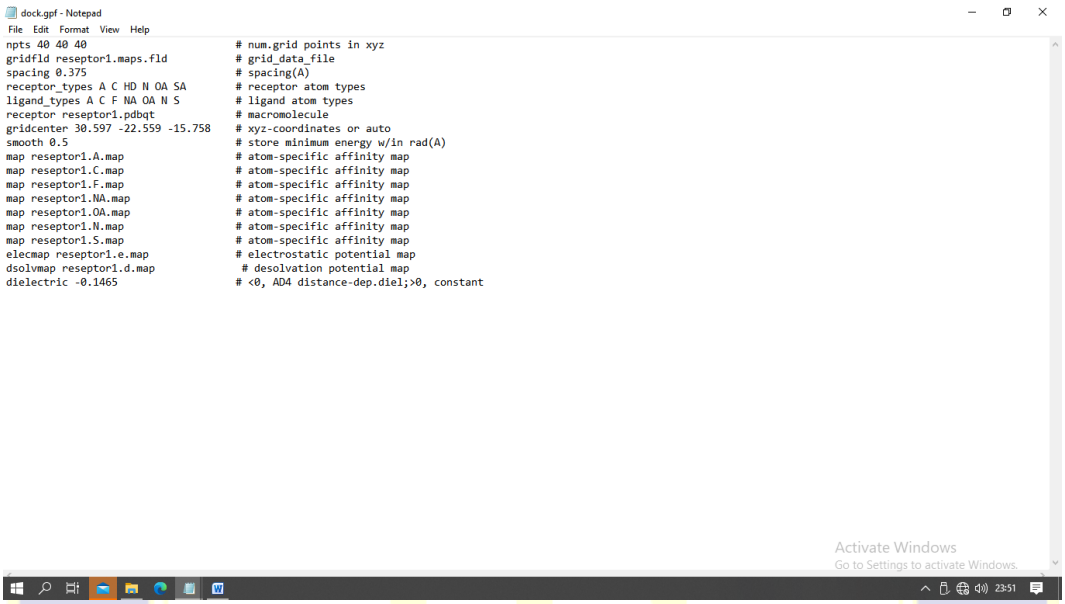
LAMPIRAN 5
(LANJUTAN)

LANGKAH-LANGKAH *MOLECULAR DOCKING* DENGAN APLIKASI *AutoDock Tools*



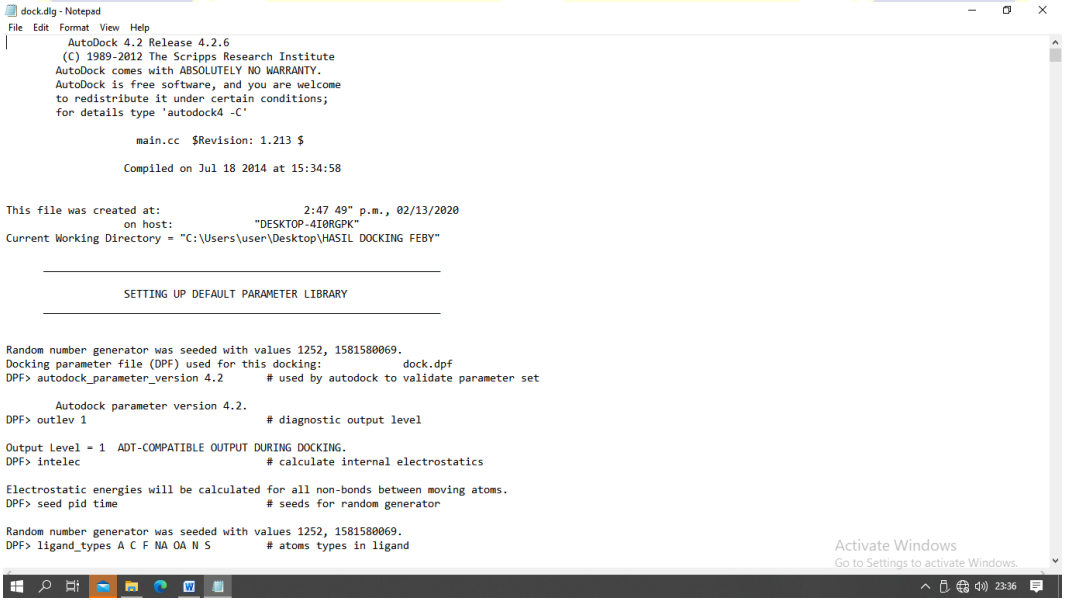
LAMPIRAN 6

TAMPILAN APLIKASI *Notepad*
RESEPTOR *Prostaglandin G/H Synthase 2* ID 3LN1



```
dock.gpf - Notepad
File  Edit  Format  View  Help
npts 40 40 40                           # num.grid points in xyz
gridfld reseptor1.maps.fld              # grid_data_file
spacing 0.375                           # spacing(A)
receptor_types A C HD N OA SA           # receptor atom types
ligand_types A C F NA OA N S            # ligand atom types
receptor reseptor1.pdbqt                # macromolecule
gridcenter 30.597 -22.559 -15.758       # xyz-coordinates or auto
smooth 0.5                              # store minimum energy w/in rad(A)
map reseptor1.A.map                     # atom-specific affinity map
map reseptor1.C.map                     # atom-specific affinity map
map reseptor1.F.map                     # atom-specific affinity map
map reseptor1.NA.map                    # atom-specific affinity map
map reseptor1.OA.map                    # atom-specific affinity map
map reseptor1.N.map                     # atom-specific affinity map
map reseptor1.S.map                     # atom-specific affinity map
elecmap reseptor1.e.map                 # electrostatic potential map
dsolvmap reseptor1.d.map                 # desolvation potential map
dielectric -0.1465                      # <0, AD4 distance-dep.diel;>0, constant
```

Gambar VII.3 Tampilan Aplikasi *Notepad* (dock.gpf) Ukuran *Gridbox* Reseptor *Prostaglandin G/H Synthase 2* ID 3LN1 Hasil Validasi

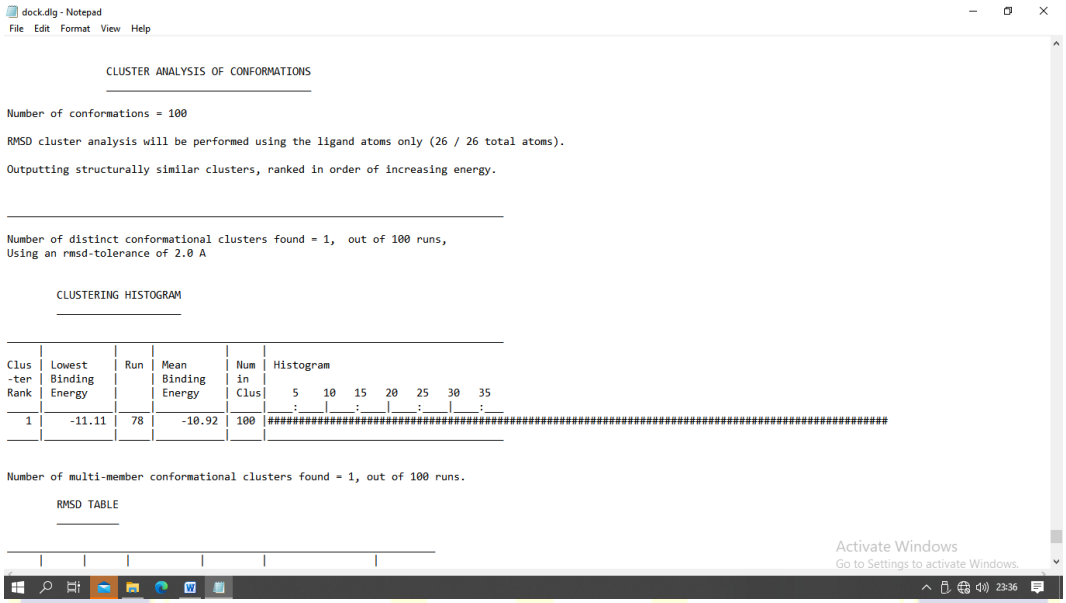


```
dock.dlg - Notepad
File  Edit  Format  View  Help
          AutoDock 4.2 Release 4.2.6
         (C) 1989-2012 The Scripps Research Institute
        AutoDock comes with ABSOLUTELY NO WARRANTY.
        AutoDock is free software, and you are welcome
        to redistribute it under certain conditions;
        for details type 'autodock4 -C'

                    main.cc  $Revision: 1.213 $

                  Compiled on Jul 18 2014 at 15:34:58


This file was created at:                      2:47 49" p.m., 02/13/2020
                  on host:             "DESKTOP-4I0RGPK"
Current Working Directory = "C:\Users\user\Desktop\HASIL DOCKING FEBY"

        ________________________________________________________________

                    SETTING UP DEFAULT PARAMETER LIBRARY
        ________________________________________________________________


Random number generator was seeded with values 1252, 1581580069.
Docking parameter file (DPF) used for this docking:             dock.dpf
DPF> autodock_parameter_version 4.2       # used by autodock to validate parameter set

        Autodock parameter version 4.2.
DPF> outlev 1                             # diagnostic output level

Output Level = 1  ADT-COMPATIBLE OUTPUT DURING DOCKING.
DPF> intelec                              # calculate internal electrostatics

Electrostatic energies will be calculated for all non-bonds between moving atoms.
DPF> seed pid time                        # seeds for random generator

Random number generator was seeded with values 1252, 1581580069.
DPF> ligand_types A C F NA OA N S         # atoms types in ligand
```

Gambar VII.4 Tampilan Aplikasi *Notepad* (dock.dlg) Hasil Validasi *Molecular Docking* Reseptor *Prostaglandin G/H Synthase 2* ID 3LN1

LAMPIRAN 6
(LANJUTAN)

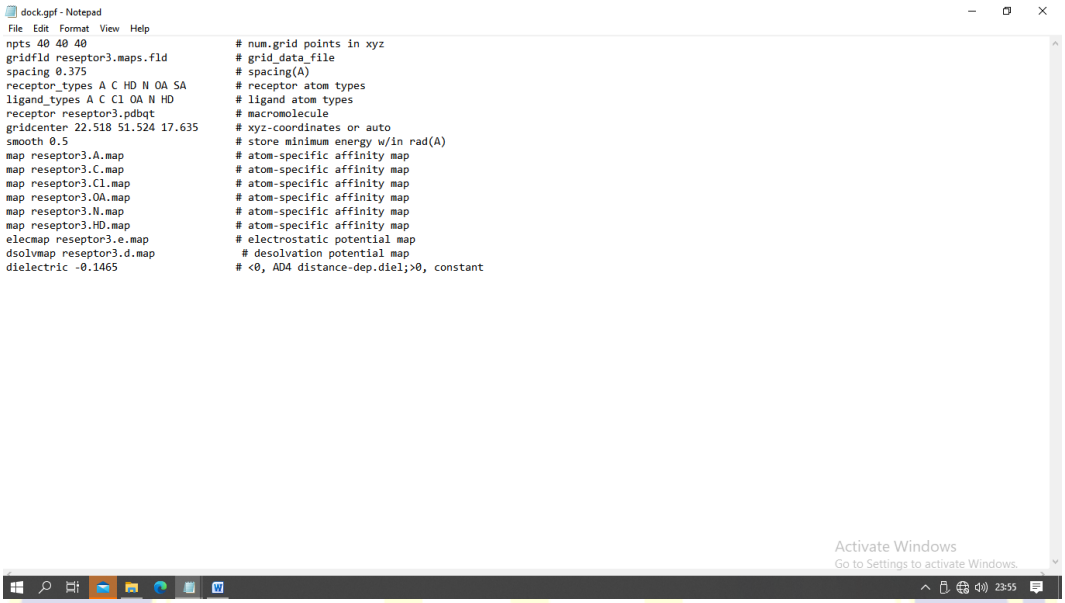
TAMPILAN APLIKASI *Notepad*
RESEPTOR *Prostaglandin G/H Synthase 2* ID 3LN1



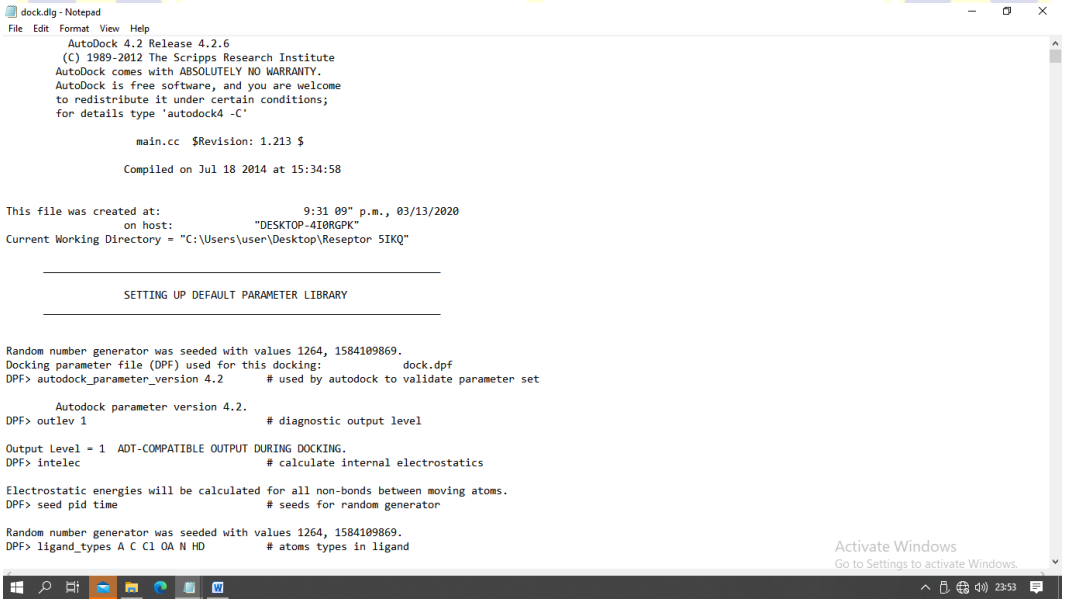
Gambar VII.5 Tampilan *Notepad* (dock.dlg) Nilai Cluster Rank, ΔG dan Histogram Hasil Validasi *Molecular Docking* Reseptor *Prostaglandin G/H Synthase 2* ID 3LN1

LAMPIRAN 7

TAMPILAN APLIKASI *Notepad*
RESEPTOR *Prostaglandin G/H Synthase 2* ID 5IKQ



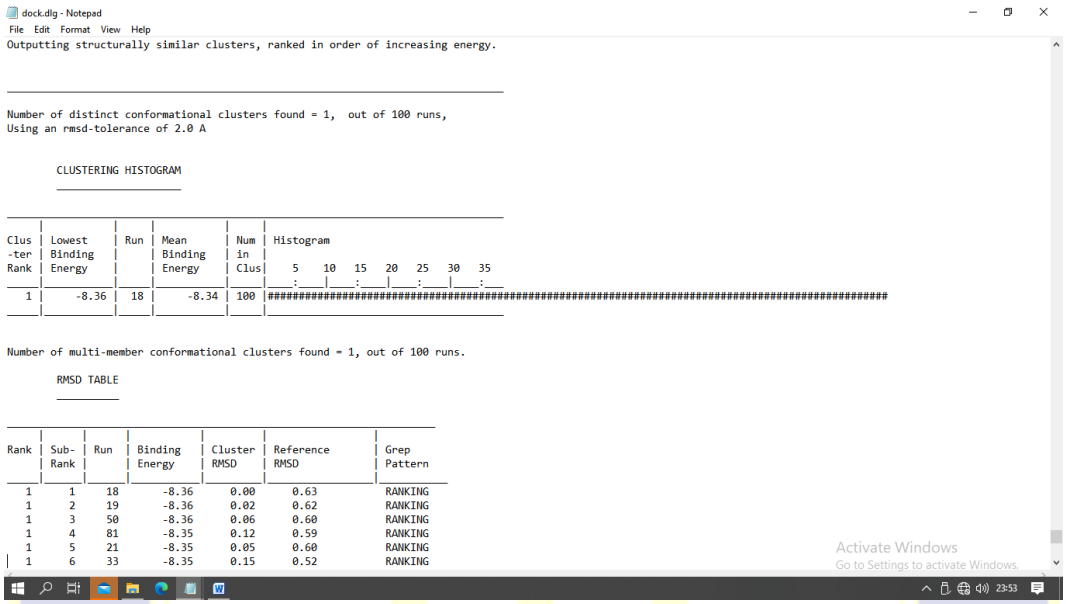
Gambar VII.6 Tampilan Aplikasi *Notepad* (dock.gpf) Ukuran *Gridbox* Reseptor *Prostaglandin G/H Synthase 2* ID 5IKQ Hasil Validasi



Gambar VII.7 Tampilan Aplikasi *Notepad* (dock.dlg) Hasil Validasi *Molecular Docking* Reseptor *Prostaglandin G/H Synthase 2* ID 5IKQ

LAMPIRAN 7
(LANJUTAN)

TAMPILAN APLIKASI *Notepad*
RESEPTOR *Prostaglandin G/H Synthase 2* ID 5IKQ



dock.dlg - Notepad

File Edit Format View Help

```
Outputting structurally similar clusters, ranked in order of increasing energy.


_____________________________________________________________________________

Number of distinct conformational clusters found = 1,  out of 100 runs,
Using an rmsd-tolerance of 2.0 A

        CLUSTERING HISTOGRAM
        ____________________

_____________________________________________________________________________
     |           |     |           |     |
Clus | Lowest    | Run | Mean      | Num | Histogram
-ter | Binding   |     | Binding   | in  |
Rank | Energy    |     | Energy    | Clus|    5    10   15   20   25   30   35
_____|___________|_____|___________|_____|____:____|____:____|____:____|____:____
   1 |     -8.36 |  18 |     -8.34 |  100 |##################################################################################################
_____|___________|_____|___________|_____|_____________________________________


Number of multi-member conformational clusters found = 1, out of 100 runs.

        RMSD TABLE
        __________

_____ _____ _____ ___________ _________ _____________ _____________
      |     |     |           |         |             |
Rank  | Sub-| Run | Binding   | Cluster | Reference   | Grep
      | Rank|     | Energy    | RMSD    | RMSD        | Pattern
______|_____|_____|___________|_________|_____________|_____________
   1  |   1 |  18 |     -8.36 |    0.00 |        0.63 | RANKING
   1  |   2 |  19 |     -8.36 |    0.02 |        0.62 | RANKING
   1  |   3 |  50 |     -8.36 |    0.06 |        0.60 | RANKING
   1  |   4 |  81 |     -8.35 |    0.12 |        0.59 | RANKING
   1  |   5 |  21 |     -8.35 |    0.05 |        0.60 | RANKING
   1  |   6 |  33 |     -8.35 |    0.15 |        0.52 | RANKING
```

Activate Windows
Go to Settings to activate Windows.

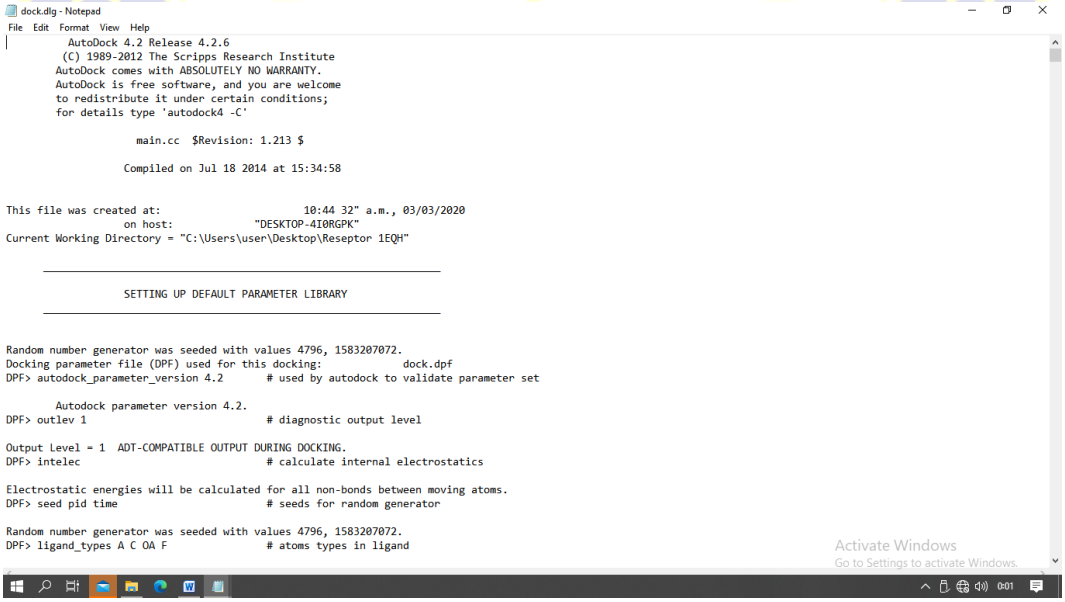
Gambar VII.8 Tampilan *Notepad* (dock.dlg) Nilai Cluster Rank, ΔG dan Histogram Hasil Validasi *Molecular Docking* Reseptor *Prostaglandin G/H Synthase 2* ID 5IKQ

LAMPIRAN 8

TAMPILAN APLIKASI *Notepad*
RESEPTOR *Prostaglandin H_2 Synthase 1* ID 1EQH

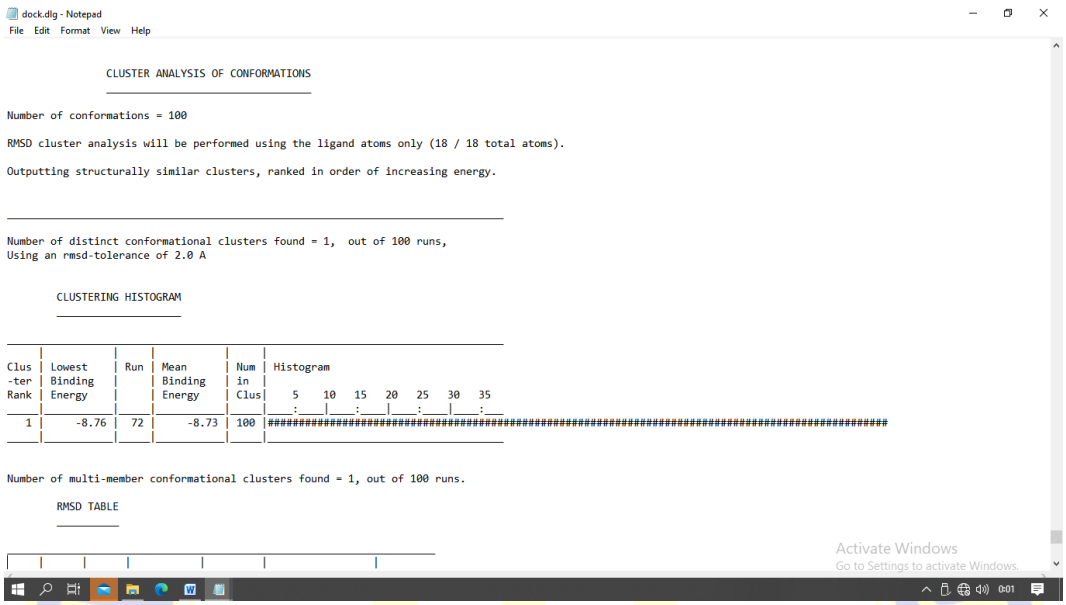
```
dock.gpf - Notepad
File  Edit  Format  View  Help
npts 40 40 40                           # num.grid points in xyz
gridfld Reseptor2.maps.fld              # grid_data_file
spacing 0.375                           # spacing(A)
receptor_types A C HD N OA SA           # receptor atom types
ligand_types A C OA F                   # ligand atom types
receptor Reseptor2.pdbqt                # macromolecule
gridcenter 68.667 22.393 187.642        # xyz-coordinates or auto
smooth 0.5                              # store minimum energy w/in rad(A)
map Reseptor2.A.map                     # atom-specific affinity map
map Reseptor2.C.map                     # atom-specific affinity map
map Reseptor2.OA.map                    # atom-specific affinity map
map Reseptor2.F.map                     # atom-specific affinity map
elecmap Reseptor2.e.map                 # electrostatic potential map
dsolvmap Reseptor2.d.map                 # desolvation potential map
dielectric -0.1465                      # <0, AD4 distance-dep.diel;>0, constant
```

Gambar VII.9 Tampilan Aplikasi *Notepad* (dock.gpf) Ukuran *Gridbox* Reseptor *Prostaglandin H_2 Synthase 1* ID 1EQH Hasil Validasi



```
dock.dlg - Notepad
File  Edit  Format  View  Help
          AutoDock 4.2 Release 4.2.6
        (C) 1989-2012 The Scripps Research Institute
       AutoDock comes with ABSOLUTELY NO WARRANTY.
       AutoDock is free software, and you are welcome
       to redistribute it under certain conditions;
       for details type 'autodock4 -C'

                   main.cc  $Revision: 1.213 $

                  Compiled on Jul 18 2014 at 15:34:58


This file was created at:                      10:44 32" a.m., 03/03/2020
                  on host:             "DESKTOP-4I0RGPK"
Current Working Directory = "C:\Users\user\Desktop\Reseptor 1EQH"

      ________________________________________________________________

                  SETTING UP DEFAULT PARAMETER LIBRARY
      ________________________________________________________________


Random number generator was seeded with values 4796, 1583207072.
Docking parameter file (DPF) used for this docking:             dock.dpf
DPF> autodock_parameter_version 4.2       # used by autodock to validate parameter set

       Autodock parameter version 4.2.
DPF> outlev 1                             # diagnostic output level

Output Level = 1  ADT-COMPATIBLE OUTPUT DURING DOCKING.
DPF> intelec                              # calculate internal electrostatics

Electrostatic energies will be calculated for all non-bonds between moving atoms.
DPF> seed pid time                        # seeds for random generator

Random number generator was seeded with values 4796, 1583207072.
DPF> ligand_types A C OA F                # atoms types in ligand
```

Gambar VII.10 Tampilan Aplikasi *Notepad* (dock.dlg) Hasil Validasi *Molecular Docking* Reseptor *Prostaglandin H_2 Synthase 1* ID 1EQH



Gambar VII.11 Tampilan *Notepad* (dock.dlg) Nilai Cluster Rank, ΔG dan Histogram Hasil Validasi *Molecular Docking* Reseptor *Prostaglandin* H_2 *Synthase 1* ID 1EQH

CURRICULUM VITAE

Personal Detail

Nama : Pebi Astriani
Tempat, Tanggal Lahir : Garut, 25 Februari 1998
Jenis Kelamin : Perempuan
Sekolah : UNIVERSITAS GARUT
Program Keahlian : Farmasi
Agama : Islam
Status : Belum Menikah
Tinggi, Berat Badan : 168 cm / 50 kg
Alamat : Kp. Cinunuk Tengah Rt. 03 Rw. 07 Desa Wanaraja Kecamatan Wanaraja Kab. Garut
No.Telp / HP : 088806300562
E-mail : astrianipebi@gmail.com

Pendidikan Formal

- 2016 – 2020 : UNIVERSITAS GARUT
- 2013 – 2016 : SMK YBKP3 GARUT
- 2010 – 2013 : SMPN 1 WANARAJA
- 2004 - 2010 : SDN WANARAJA 3

Pengalaman Praktik Kerja

Tahun 2020 : Apotek Assyfa

Tahun 2015 : Puskesmas DTP Wanaraja

Tahun 2015 : Apotek Sadahurip