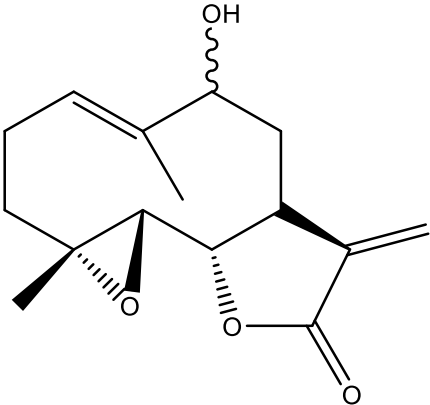
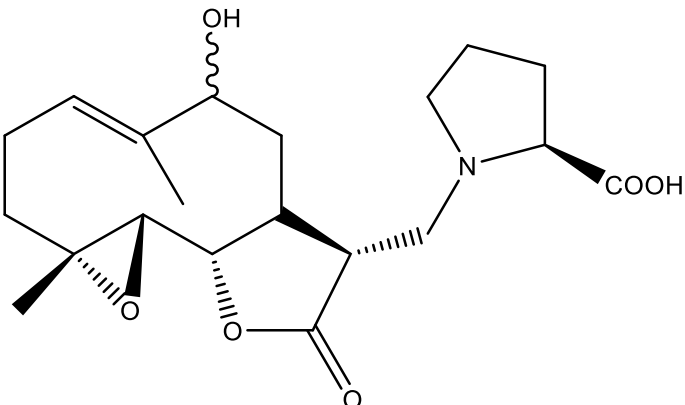
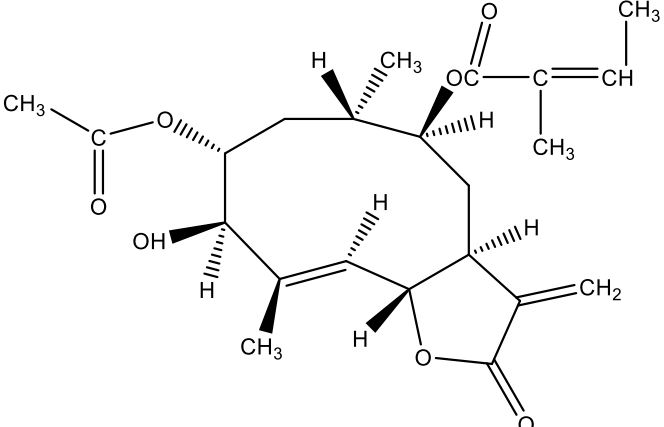
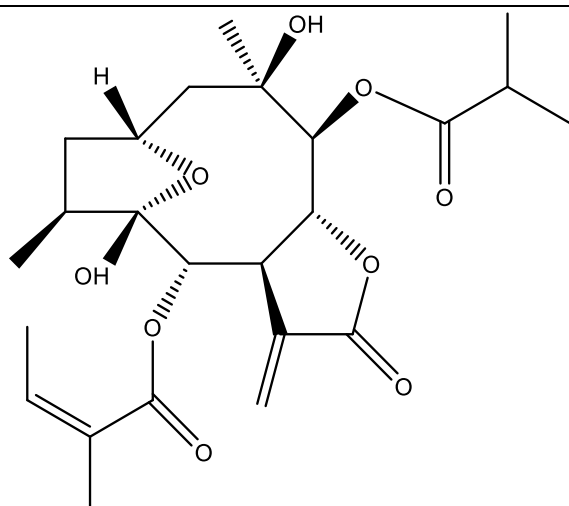


LAMPIRAN

Lampiran 1 : Senyawa 2D Training Set

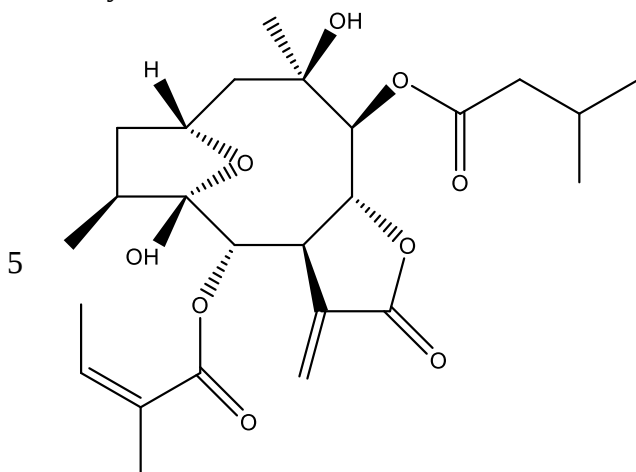
No	Training Set	Ic50 (μ M)
Senyawa 1		2.98
1	 9β-hydroxyparthenolide	
Senyawa 2		2.23
2	 9β-hydroxyparthenolide 13-L-proline-9α-hydroxyparthenolide	
Senyawa 3		20.62
3	 2α-acetoxy-3β-hydroxy-9β-angeloyloxygermacra-4-en-6α,12-olide atau bisa disebut inulacappolide.	
4	Senyawa 4	9.8



2 α ,5-Epoxy-5,10-dihydroxy-6 α -angeloyloxy-9 β -isobutyloxy-germacran-8 α ,12-olide

Senyawa 5

9.1



2 α ,5-Epoxy-5,10-dihydroxy-6 α -angeloyloxy-9 β -(3-methylbutyloxy)-germacran-8 α ,12-olide

Lampiran 2 : Fitur Model Farmakofor

[Sort by score](#)

Number of Aligned Molecules: 5

Score	Jmol	Features	Spatial Features	Aromatic	Hydrophobic	Donors	Acceptors	Negatives	Positives	Molecules
16.122	Jmol	7	7	0	4	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2 Trainingset/Ts_2.mol2
15.274	Jmol	6	6	0	3	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
15.274	Jmol	6	6	0	3	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
15.274	Jmol	6	6	0	3	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
14.955	Jmol	6	5	0	2	1	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2 Trainingset/Ts_2.mol2
14.425	Jmol	5	5	0	2	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
14.425	Jmol	5	5	0	2	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
14.425	Jmol	5	5	0	2	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
14.425	Jmol	5	5	0	2	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
14.425	Jmol	5	5	0	2	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2

Number of Aligned Molecules: 4

Score	Jmol	Features	Spatial Features	Aromatic	Hydrophobic	Donors	Acceptors	Negatives	Positives	Molecules
17.545	Jmol	5	5	0	1	0	4	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
17.545	Jmol	5	5	0	1	0	4	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
16.067	Jmol	7	7	0	4	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2 Trainingset/Ts_2.mol2
16.067	Jmol	7	7	0	4	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_5.mol2 Trainingset/Ts_2.mol2
15.958	Jmol	7	7	0	4	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
15.793	Jmol	7	7	0	4	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
15.219	Jmol	6	6	0	3	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
15.219	Jmol	6	6	0	3	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_5.mol2

Number of Aligned Molecules: 3

Score	Jmol	Features	Spatial Features	Aromatic	Hydrophobic	Donors	Acceptors	Negatives	Positives	Molecules
19.750	Jmol	8	8	0	4	0	4	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_5.mol2
18.739	Jmol	7	6	0	2	1	4	0	0	Trainingset/Ts.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
16.692	Jmol	8	8	0	5	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_5.mol2
16.688	Jmol	8	8	0	5	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_5.mol2
16.688	Jmol	8	8	0	5	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2 Trainingset/Ts_5.mol2
16.743	Jmol	8	8	0	5	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_5.mol2
16.354	Jmol	8	7	0	4	1	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
16.008	Jmol	7	7	0	4	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
16.008	Jmol	7	7	0	4	0	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_4.mol2 Trainingset/Ts_5.mol2
16.084	Jmol	8	7	0	4	1	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2 Trainingset/Ts_5.mol2

Input Molecules [view details: visualization of the detected features](#)

#	Molecule	Atoms	Features	Spatial Features	Aromatic	Hydrophobic	Donors	Acceptors	Negatives	Positives
1	Trainingset/Ts.mol2	39	14	13	0	9	1	4	0	0
2	Trainingset/Ts_2.mol2	56	18	16	0	9	2	7	0	0
3	Trainingset/Ts_3.mol2	59	23	22	0	15	1	7	0	0
4	Trainingset/Ts_4.mol2	67	26	24	0	15	2	9	0	0
5	Trainingset/Ts_5.mol2	70	27	25	0	16	2	9	0	0

Best Pairwise Solution for Each Pair of Input Molecules:

Score	Jmol	Features	Spatial Features	Aromatic	Hydrophobic	Donors	Acceptors	Negatives	Positives	Molecules
7.84756	Jmol	10	9	0	6	1	3	0	0	Trainingset/Ts.mol2 Trainingset/Ts_2.mol2
7.2361	Jmol	8	8	0	4	0	4	0	0	Trainingset/Ts.mol2 Trainingset/Ts_3.mol2
8.1316	Jmol	7	6	0	2	1	4	0	0	Trainingset/Ts.mol2 Trainingset/Ts_4.mol2
9.07002	Jmol	10	9	0	5	1	4	0	0	Trainingset/Ts.mol2 Trainingset/Ts_5.mol2

Lampiran 3 : Hits Hasil VS Menggunakan Pyrx-Vina Wizard

Zinc ID	Binding Affinity	Zinc ID	Binding Affinity
makromolekul_ZINC000252515534_uff_E=1019.68	-9	makromolekul_ZINC000070665984_uff_E=944.12	-7.3
makromolekul_ZINC000012879272_uff_E=610.59	-8.9	makromolekul_ZINC000070681102_uff_E=380.36	-7.3
makromolekul_ZINC000253388167_uff_E=2301.80	-8.9	makromolekul_ZINC000070699998_uff_E=503.81	-7.3
makromolekul_ZINC000031157730_uff_E=920.35	-8.6	makromolekul_ZINC000079216817_uff_E=744.83	-7.3
makromolekul_ZINC000072320101_uff_E=1092.05	-8.6	makromolekul_ZINC000085340820_uff_E=2476.20	-7.3
makromolekul_ZINC000095914216_uff_E=741.29	-8.6	makromolekul_ZINC000085493098_uff_E=1129.18	-7.3
makromolekul_ZINC000012879355_uff_E=543.01	-8.5	makromolekul_ZINC000085624833_uff_E=995.32	-7.3
makromolekul_ZINC000035456305_uff_E=2487.67	-8.5	makromolekul_ZINC000095910467_uff_E=1077.93	-7.3
makromolekul_ZINC000299817759_uff_E=1485.03	-8.5	makromolekul_ZINC000095912746_uff_E=932.23	-7.3
makromolekul_ZINC000002138356_uff_E=615.32	-8.4	makromolekul_ZINC000095912747_uff_E=887.84	-7.3
makromolekul_ZINC000004073501_uff_E=299.92	-8.4	makromolekul_ZINC000217644038_uff_E=779.91	-7.3
makromolekul_ZINC000004082357_uff_E=596.86	-8.4	makromolekul_ZINC00022165360_uff_E=645.44	-7.3
makromolekul_ZINC000012876066_uff_E=581.67	-8.4	makromolekul_ZINC000248330056_uff_E=1024.03	-7.3
makromolekul_ZINC000067902626_uff_E=2503.91	-8.4	makromolekul_ZINC000252428549_uff_E=779.38	-7.3
makromolekul_ZINC000253501760_uff_E=966.02	-8.4	makromolekul_ZINC000253529634_uff_E=658.26	-7.3
makromolekul_ZINC000008876349_uff_E=550.02	-8.3	makromolekul_ZINC000514287999_uff_E=1049.82	-7.3
makromolekul_ZINC000035270674_uff_E=716.57	-8.2	makromolekul_ZINC000584908934_uff_E=4328.57	-7.3
makromolekul_ZINC000039109040_uff_E=469.17	-8.2	makromolekul_ZINC000958317946_uff_E=2315.22	-7.3
makromolekul_ZINC000067902623_uff_E=2387.12	-8.2	makromolekul_ZINC000003978633_uff_E=533.68	-7.2
makromolekul_ZINC000070451123_uff_E=2751.92	-8.2	makromolekul_ZINC000004028209_uff_E=619.80	-7.2
makromolekul_ZINC000095910051_uff_E=701.88	-8.2	makromolekul_ZINC000004097786_uff_E=541.55	-7.2
makromolekul_ZINC000253402690_uff_E=1009.85	-8.1	makromolekul_ZINC000004098102_uff_E=655.16	-7.2
makromolekul_ZINC000253499447_uff_E=965.92	-8.1	makromolekul_ZINC000004258493_uff_E=369.70	-7.2
makromolekul_ZINC000299817609_uff_E=853.51	-8.1	makromolekul_ZINC000008789839_uff_E=596.61	-7.2
makromolekul_ZINC000004083403_uff_E=649.51	-8	makromolekul_ZINC000012880707_uff_E=640.35	-7.2
makromolekul_ZINC000095099055_uff_E=666.32	-8	makromolekul_ZINC000033957518_uff_E=563.17	-7.2
makromolekul_ZINC000253499445_uff_E=964.15	-8	makromolekul_ZINC000036454776_uff_E=691.34	-7.2
makromolekul_ZINC000253499447_uff_E=960.69	-8	makromolekul_ZINC000038206226_uff_E=609.41	-7.2
makromolekul_ZINC000002087357_uff_E=730.33	-7.9	makromolekul_ZINC000044350729_uff_E=720.89	-7.2
makromolekul_ZINC000002104916_uff_E=549.21	-7.9	makromolekul_ZINC000044351404_uff_E=727.37	-7.2
makromolekul_ZINC000002111215_uff_E=508.36	-7.9	makromolekul_ZINC000059101983_uff_E=1022.27	-7.2
makromolekul_ZINC000008221355_uff_E=717.50	-7.9	makromolekul_ZINC000070665981_uff_E=824.03	-7.2
makromolekul_ZINC000008789624_uff_E=637.98	-7.9	makromolekul_ZINC000070665984_uff_E=939.25	-7.2
makromolekul_ZINC000013718974_uff_E=719.96	-7.9	makromolekul_ZINC000070692294_uff_E=591.23	-7.2
makromolekul_ZINC000072320102_uff_E=1219.94	-7.9	makromolekul_ZINC000070698097_uff_E=613.37	-7.2
makromolekul_ZINC000095098926_uff_E=1730.79	-7.9	makromolekul_ZINC000085507320_uff_E=1085.65	-7.2
makromolekul_ZINC000095908927_uff_E=1368.44	-7.9	makromolekul_ZINC000095910314_uff_E=1021.28	-7.2
makromolekul_ZINC000253534452_uff_E=1156.64	-7.9	makromolekul_ZINC000095911375_uff_E=2137.28	-7.2
makromolekul_ZINC000003882044_uff_E=651.45	-7.8	makromolekul_ZINC000197939832_uff_E=506.24	-7.2
makromolekul_ZINC000008789618_uff_E=656.49	-7.8	makromolekul_ZINC000253388448_uff_E=1023.93	-7.2
makromolekul_ZINC000008789624_uff_E=641.83	-7.8	makromolekul_ZINC000253499205_uff_E=842.15	-7.2
makromolekul_ZINC000008964508_uff_E=775.17	-7.8	makromolekul_ZINC000253500723_uff_E=1189.11	-7.2
makromolekul_ZINC000070665906_uff_E=968.24	-7.8	makromolekul_ZINC000253529691_uff_E=2563.94	-7.2

makromolekul_ZINC000070699706_uff_E=751.69	-7.8	makromolekul_ZINC000255251784_uff_E=816.48	-7.2
makromolekul_ZINC000095919437_uff_E=1019.48	-7.8	makromolekul_ZINC000263586816_uff_E=576.57	-7.2
makromolekul_ZINC000253402701_uff_E=969.82	-7.8	makromolekul_ZINC000002097008_uff_E=577.56	-7.1
makromolekul_ZINC000002111260_uff_E=543.99	-7.7	makromolekul_ZINC000002111216_uff_E=504.55	-7.1
makromolekul_ZINC000003938744_uff_E=656.25	-7.7	makromolekul_ZINC000003882052_uff_E=655.24	-7.1
makromolekul_ZINC000042890050_uff_E=658.34	-7.7	makromolekul_ZINC000004098157_uff_E=642.32	-7.1
makromolekul_ZINC000070454190_uff_E=1232.79	-7.7	makromolekul_ZINC000004098159_uff_E=602.54	-7.1
makromolekul_ZINC000070457366_uff_E=713.53	-7.7	makromolekul_ZINC000004175508_uff_E=955.69	-7.1
makromolekul_ZINC000095914354_uff_E=2266.32	-7.7	makromolekul_ZINC000004262477_uff_E=1840.18	-7.1
makromolekul_ZINC000253388728_uff_E=648.31	-7.7	makromolekul_ZINC000008221370_uff_E=768.68	-7.1
makromolekul_ZINC000002153576_uff_E=555.19	-7.6	makromolekul_ZINC000008740047_uff_E=268.54	-7.1
makromolekul_ZINC000008790338_uff_E=360.16	-7.6	makromolekul_ZINC000008789836_uff_E=559.78	-7.1
makromolekul_ZINC000012861099_uff_E=697.14	-7.6	makromolekul_ZINC000012296190_uff_E=918.55	-7.1
makromolekul_ZINC000020411362_uff_E=865.24	-7.6	makromolekul_ZINC000012654171_uff_E=1037.13	-7.1
makromolekul_ZINC000035270673_uff_E=731.77	-7.6	makromolekul_ZINC000033957518_uff_E=569.84	-7.1
makromolekul_ZINC000044417809_uff_E=498.94	-7.6	makromolekul_ZINC000035271436_uff_E=579.74	-7.1
makromolekul_ZINC000049637490_uff_E=807.56	-7.6	makromolekul_ZINC000035459130_uff_E=793.89	-7.1
makromolekul_ZINC000070665717_uff_E=948.55	-7.6	makromolekul_ZINC000036368126_uff_E=609.29	-7.1
makromolekul_ZINC000070665906_uff_E=1070.79	-7.6	makromolekul_ZINC000040866708_uff_E=686.51	-7.1
makromolekul_ZINC000073170140_uff_E=830.20	-7.6	makromolekul_ZINC000040867342_uff_E=674.62	-7.1
makromolekul_ZINC000079216637_uff_E=2639.98	-7.6	makromolekul_ZINC000044359793_uff_E=693.74	-7.1
makromolekul_ZINC000085341028_uff_E=961.52	-7.6	makromolekul_ZINC000059101986_uff_E=1101.81	-7.1
makromolekul_ZINC000095912789_uff_E=917.66	-7.6	makromolekul_ZINC000061992795_uff_E=628.82	-7.1
makromolekul_ZINC000095918988_uff_E=906.02	-7.6	makromolekul_ZINC000070454695_uff_E=3074.62	-7.1
makromolekul_ZINC000253530438_uff_E=731.53	-7.6	makromolekul_ZINC000070454942_uff_E=800.08	-7.1
makromolekul_ZINC000263586388_uff_E=611.56	-7.6	makromolekul_ZINC000070665714_uff_E=849.99	-7.1
makromolekul_ZINC000299817562_uff_E=1261.39	-7.6	makromolekul_ZINC000070665719_uff_E=992.40	-7.1
makromolekul_ZINC000012296192_uff_E=876.12	-7.5	makromolekul_ZINC000070665811_uff_E=628.48	-7.1
makromolekul_ZINC000015415030_uff_E=917.95	-7.5	makromolekul_ZINC000070665835_uff_E=612.04	-7.1
makromolekul_ZINC000034118415_uff_E=637.79	-7.5	makromolekul_ZINC000070665908_uff_E=1012.71	-7.1
makromolekul_ZINC000035178510_uff_E=921.34	-7.5	makromolekul_ZINC000070669920_uff_E=362.36	-7.1
makromolekul_ZINC000044417809_uff_E=461.87	-7.5	makromolekul_ZINC000070692069_uff_E=618.59	-7.1
makromolekul_ZINC000067902622_uff_E=2408.36	-7.5	makromolekul_ZINC000077257088_uff_E=861.35	-7.1
makromolekul_ZINC000070454941_uff_E=776.66	-7.5	makromolekul_ZINC000085489960_uff_E=575.85	-7.1
makromolekul_ZINC000070665714_uff_E=849.05	-7.5	makromolekul_ZINC000085507332_uff_E=975.68	-7.1
makromolekul_ZINC000070665902_uff_E=900.57	-7.5	makromolekul_ZINC000085530994_uff_E=2489.27	-7.1
makromolekul_ZINC000070712347_uff_E=892.65	-7.5	makromolekul_ZINC000085867072_uff_E=445.50	-7.1
makromolekul_ZINC000072330372_uff_E=781.86	-7.5	makromolekul_ZINC000085888732_uff_E=483.12	-7.1
makromolekul_ZINC000085507359_uff_E=937.27	-7.5	makromolekul_ZINC000085914855_uff_E=1694.14	-7.1
makromolekul_ZINC000085594316_uff_E=818.06	-7.5	makromolekul_ZINC000094303246_uff_E=1724.44	-7.1
makromolekul_ZINC000095485996_uff_E=871.12	-7.5	makromolekul_ZINC000095908906_uff_E=651.37	-7.1
makromolekul_ZINC000095912771_uff_E=761.69	-7.5	makromolekul_ZINC000095910321_uff_E=3097.14	-7.1
makromolekul_ZINC000095913626_uff_E=474.58	-7.5	makromolekul_ZINC000095914764_uff_E=873.54	-7.1
makromolekul_ZINC000095914073_uff_E=569.45	-7.5	makromolekul_ZINC000107430367_uff_E=615.99	-7.1
makromolekul_ZINC000103551232_uff_E=832.56	-7.5	makromolekul_ZINC000229762630_uff_E=675.32	-7.1
makromolekul_ZINC000248339207_uff_E=912.01	-7.5	makromolekul_ZINC000247859837_uff_E=761.37	-7.1

makromolekul_ZINC000253412008_uff_E=977.91	-7.5	makromolekul_ZINC000253499194_uff_E=791.31	-7.1
makromolekul_ZINC000263586816_uff_E=569.71	-7.5	makromolekul_ZINC000584908933_uff_E=4267.98	-7.1
makromolekul_ZINC000003882043_uff_E=656.82	-7.4	makromolekul_ZINC000002105614_uff_E=687.33	-7
makromolekul_ZINC000003917708_uff_E=550.40	-7.4	makromolekul_ZINC000003882051_uff_E=659.86	-7
makromolekul_ZINC000008740106_uff_E=685.09	-7.4	makromolekul_ZINC000008740166_uff_E=904.78	-7
makromolekul_ZINC000008964462_uff_E=839.46	-7.4	makromolekul_ZINC000012654171_uff_E=1037.70	-7
makromolekul_ZINC000031160375_uff_E=549.01	-7.4	makromolekul_ZINC000012656914_uff_E=863.49	-7
makromolekul_ZINC000033933798_uff_E=583.38	-7.4	makromolekul_ZINC000014812218_uff_E=682.57	-7
makromolekul_ZINC000039205612_uff_E=801.79	-7.4	makromolekul_ZINC000020410388_uff_E=783.08	-7
makromolekul_ZINC000066099308_uff_E=727.27	-7.4	makromolekul_ZINC000020805342_uff_E=435.99	-7
makromolekul_ZINC000070665719_uff_E=904.83	-7.4	makromolekul_ZINC000027105413_uff_E=693.87	-7
makromolekul_ZINC000070665902_uff_E=879.51	-7.4	makromolekul_ZINC000031157250_uff_E=2171.32	-7
makromolekul_ZINC000070665981_uff_E=835.38	-7.4	makromolekul_ZINC000033832064_uff_E=803.80	-7
makromolekul_ZINC000070680450_uff_E=853.19	-7.4	makromolekul_ZINC000033833008_uff_E=663.48	-7
makromolekul_ZINC000070691642_uff_E=471.92	-7.4	makromolekul_ZINC000038562466_uff_E=648.62	-7
makromolekul_ZINC000070697769_uff_E=584.96	-7.4	makromolekul_ZINC000044351239_uff_E=574.32	-7
makromolekul_ZINC000070698228_uff_E=701.68	-7.4	makromolekul_ZINC000067911525_uff_E=2395.54	-7
makromolekul_ZINC000085341028_uff_E=943.51	-7.4	makromolekul_ZINC000070454236_uff_E=388.18	-7
makromolekul_ZINC000085492254_uff_E=1228.62	-7.4	makromolekul_ZINC000070680418_uff_E=899.89	-7
makromolekul_ZINC000085493098_uff_E=1123.65	-7.4	makromolekul_ZINC000070691675_uff_E=474.17	-7
makromolekul_ZINC000085542080_uff_E=1153.31	-7.4	makromolekul_ZINC000070699718_uff_E=502.94	-7
makromolekul_ZINC000085594035_uff_E=817.49	-7.4	makromolekul_ZINC000070701422_uff_E=489.72	-7
makromolekul_ZINC000085902195_uff_E=2518.00	-7.4	makromolekul_ZINC000085493102_uff_E=1171.87	-7
makromolekul_ZINC000095910765_uff_E=490.79	-7.4	makromolekul_ZINC000085507332_uff_E=1249.60	-7
makromolekul_ZINC000095912416_uff_E=670.75	-7.4	makromolekul_ZINC000085886651_uff_E=521.17	-7
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makromolekul_ZINC000095914744_uff_E=886.36	-7.4	makromolekul_ZINC000095911283_uff_E=1985.99	-7
makromolekul_ZINC000253476492_uff_E=873.53	-7.4	makromolekul_ZINC000095911842_uff_E=2244.23	-7
makromolekul_ZINC000002111259_uff_E=493.87	-7.3	makromolekul_ZINC000095913909_uff_E=888.54	-7
makromolekul_ZINC000004027457_uff_E=675.85	-7.3	makromolekul_ZINC000095913979_uff_E=845.75	-7
makromolekul_ZINC000004098101_uff_E=722.40	-7.3	makromolekul_ZINC000095918948_uff_E=881.46	-7
makromolekul_ZINC000008221362_uff_E=727.33	-7.3	makromolekul_ZINC000096023920_uff_E=2003.47	-7
makromolekul_ZINC000008789850_uff_E=679.57	-7.3	makromolekul_ZINC000096111497_uff_E=472.63	-7
makromolekul_ZINC000008789884_uff_E=654.52	-7.3	makromolekul_ZINC000103546497_uff_E=3148.10	-7
makromolekul_ZINC000013282468_uff_E=395.91	-7.3	makromolekul_ZINC000217749443_uff_E=233.74	-7
makromolekul_ZINC000044307173_uff_E=585.82	-7.3	makromolekul_ZINC000248328558_uff_E=1030.83	-7
makromolekul_ZINC000044419045_uff_E=721.28	-7.3	makromolekul_ZINC000248339212_uff_E=921.58	-7
makromolekul_ZINC000070665981_uff_E=969.92	-7.3	makromolekul_ZINC000253388449_uff_E=1019.19	-7
makromolekul_ZINC000070665983_uff_E=976.96	-7.3	makromolekul_ZINC000253534723_uff_E=631.19	-7
		makromolekul_ZINC000257198406_uff_E=1729.27	-7
		makromolekul_ligand	-7

Lampiran 4 : Hits Hasil VS Menggunakan Pyrx-Autodock Wizard

Ligand	Binding Energy	Ligand	Binding Energy
makromolekul_ZINC000252515534	-8.13	makromolekul_ZINC000252428549	-5.04
makromolekul_ZINC000253388167	-7.99	makromolekul_ZINC000263586388	-5.03
makromolekul_ZINC000003978633	-7.77	makromolekul_ZINC000004175508	-5.02
makromolekul_ZINC000035456305	-7.28	makromolekul_ZINC000008789884	-5.01
makromolekul_ZINC000067902626	-7.28	makromolekul_ZINC000012879272	-5.01
makromolekul_ZINC000070451123	-7.23	makromolekul_ZINC000072320102	-5
makromolekul_ZINC000085594035	-7.17	makromolekul_ZINC000253388448	-4.99
makromolekul_ZINC000012876066	-7.11	makromolekul_ZINC000253499205	-4.99
makromolekul_ZINC000095912416	-7.11	makromolekul_ZINC000070680418	-4.98
makromolekul_ZINC000067902623	-6.93	makromolekul_ZINC000012861099	-4.97
makromolekul_ZINC000042890050	-6.84	makromolekul_ZINC000095914744	-4.93
makromolekul_ZINC000095908927	-6.81	makromolekul_ZINC000008740047	-4.91
makromolekul_ZINC000070454190	-6.78	makromolekul_ZINC000263586816	-4.91
makromolekul_ZINC000070454941	-6.76	makromolekul_ZINC000040867342	-4.9
makromolekul_ZINC000248339207	-6.75	makromolekul_ZINC000095098926	-4.9
makromolekul_ZINC000067902622	-6.74	makromolekul_ZINC000033957518	-4.87
makromolekul_ZINC000096023920	-6.68	makromolekul_ZINC000008789624	-4.86
makromolekul_ZINC000033833513	-6.64	makromolekul_ZINC000070698228	-4.86
makromolekul_ZINC000012879355	-6.58	makromolekul_ZINC000070665835	-4.85
makromolekul_ZINC000255251784	-6.54	makromolekul_ZINC000085492254	-4.85
makromolekul_ZINC000070454942	-6.45	makromolekul_ZINC000085507359	-4.82
makromolekul_ZINC000095912789	-6.45	makromolekul_ZINC000299817759	-4.81
makromolekul_ZINC000095914354	-6.42	makromolekul_ZINC000034118415	-4.78
makromolekul_ZINC000035270674	-6.41	makromolekul_ZINC000085507332	-4.77
makromolekul_ZINC000012296192	-6.37	makromolekul_ZINC000044351239	-4.75
makromolekul_ZINC000248328558	-6.37	makromolekul_ZINC000584908933	-4.75
makromolekul_ZINC000004098159	-6.3	makromolekul_ZINC000008789618	-4.72
makromolekul_ZINC000095912771	-6.25	makromolekul_ZINC000253529634	-4.71
makromolekul_ZINC000004083403	-6.23	makromolekul_ZINC000103551232	-4.69
makromolekul_ZINC000253501760	-6.23	makromolekul_ZINC000085594316	-4.68
makromolekul_ZINC000004098157	-6.17	makromolekul_ZINC000044350729	-4.65
makromolekul_ZINC000033833008	-6.15	makromolekul_ZINC000044417809	-4.63
makromolekul_ZINC000247859837	-6.14	makromolekul_ZINC000070691675	-4.63
makromolekul_ZINC000002138356	-6.13	makromolekul_ZINC000003882044	-4.6
makromolekul_ZINC000039205612	-6.13	makromolekul_ZINC000003917708	-4.58
makromolekul_ZINC000059101983	-6.12	makromolekul_ZINC000584908934	-4.58
makromolekul_ZINC000253499447	-6.12	makromolekul_ZINC000085507320	-4.56
makromolekul_ZINC000253534452	-6.11	makromolekul_ZINC000095911283	-4.55
makromolekul_ZINC000002104916	-6.1	makromolekul_ZINC000002111216	-4.54
makromolekul_ZINC000095912610	-6.1	makromolekul_ZINC000004028209	-4.53
makromolekul_ZINC000253499445	-6.1	makromolekul_ZINC000070665908	-4.53
makromolekul_ZINC000095910051	-6.09	makromolekul_ZINC000070699998	-4.49
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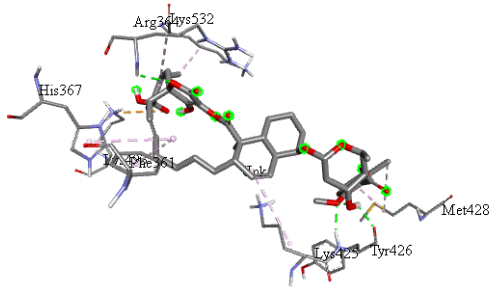
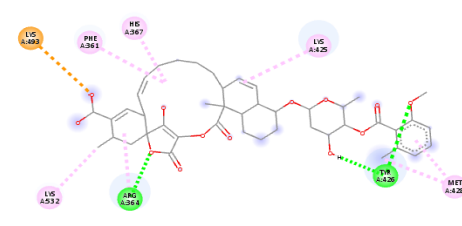
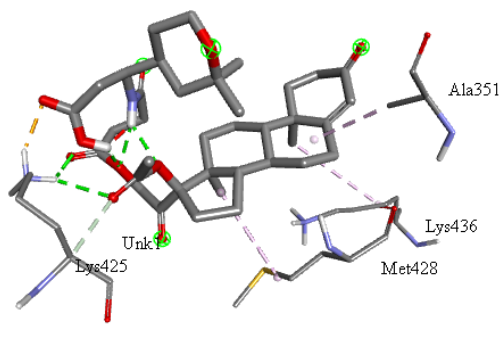
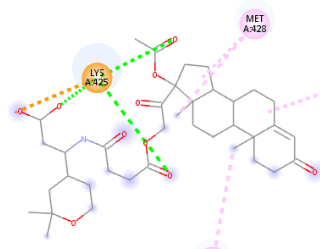
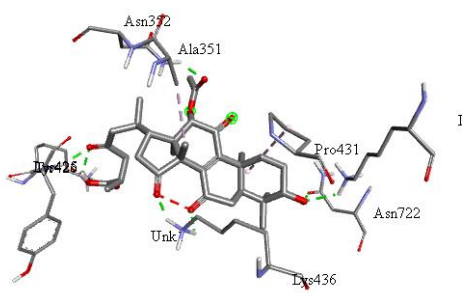
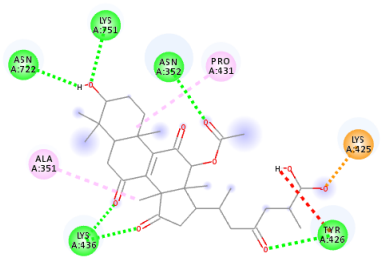
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makromolekul_ZINC000095913909	-6.06	makromolekul_ZINC000002111260	-4.47
makromolekul_ZINC000004073501	-6.02	makromolekul_ZINC000040866708	-4.47
makromolekul_ZINC000004097786	-6.02	makromolekul_ZINC000002111215	-4.45
makromolekul_ZINC000095099055	-6.02	makromolekul_ZINC000095914764	-4.45
makromolekul_ZINC000035270673	-6	makromolekul_ZINC000008789850	-4.44
makromolekul_ZINC000073170140	-6	makromolekul_ZINC000002105614	-4.4
makromolekul_ZINC000253412008	-6	makromolekul_ZINC000079216637	-4.4
makromolekul_ZINC000031157730	-5.93	makromolekul_ZINC000003938744	-4.36
makromolekul_ZINC000070699706	-5.91	makromolekul_ZINC000008789839	-4.34
makromolekul_ZINC000004098101	-5.89	makromolekul_ZINC000033832040	-4.29
makromolekul_ZINC000070457366	-5.89	makromolekul_ZINC000070665906	-4.27
makromolekul_ZINC000008221370	-5.87	makromolekul_ZINC000079216817	-4.27
makromolekul_ZINC000002097008	-5.85	makromolekul_ZINC000020410388	-4.25
makromolekul_ZINC000095911375	-5.85	makromolekul_ZINC000070712347	-4.22
makromolekul_ZINC000004027457	-5.82	makromolekul_ZINC000044307173	-4.2
makromolekul_ZINC000222165360	-5.8	makromolekul_ZINC000070665811	-4.19
makromolekul_ZINC000004082357	-5.78	makromolekul_ZINC000070454236	-4.17
makromolekul_ZINC000299817562	-5.75	makromolekul_ZINC000031160375	-4.16
makromolekul_ZINC000253476492	-5.73	makromolekul_ZINC000253402690	-4.16
makromolekul_ZINC000070665717	-5.72	makromolekul_ZINC000020805342	-4.1
makromolekul_ZINC000248339212	-5.72	makromolekul_ZINC000070665983	-4.07
makromolekul_ZINC000002153576	-5.71	makromolekul_ZINC000035271436	-4.06
makromolekul_ZINC000095912747	-5.7	makromolekul_ZINC000070665902	-4.06
makromolekul_ZINC000059101986	-5.65	makromolekul_ZINC000070699718	-4.06
makromolekul_ZINC000095919437	-5.65	makromolekul_ZINC000095910321	-4.06
makromolekul_ZINC000008964508	-5.64	makromolekul_ZINC000085341028	-4.04
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makromolekul_ZINC000033832064	-5.61	makromolekul_ZINC000038562466	-3.92
makromolekul_ZINC000044359793	-5.61	makromolekul_ZINC000070681102	-3.91
makromolekul_ZINC000002087357	-5.57	makromolekul_ZINC000008790338	-3.89
makromolekul_ZINC000012656914	-5.57	makromolekul_ZINC000085493102	-3.83
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makromolekul_ZINC000085340820	-5.48	makromolekul_ZINC000003882051	-3.58
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makromolekul_ZINC000038206226	-5.46	makromolekul_ZINC000036454776	-3.54
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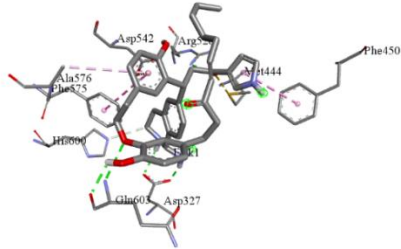
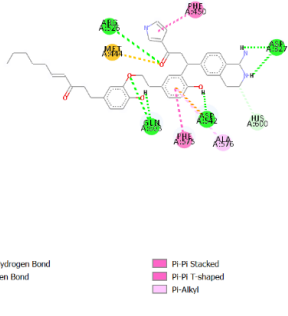
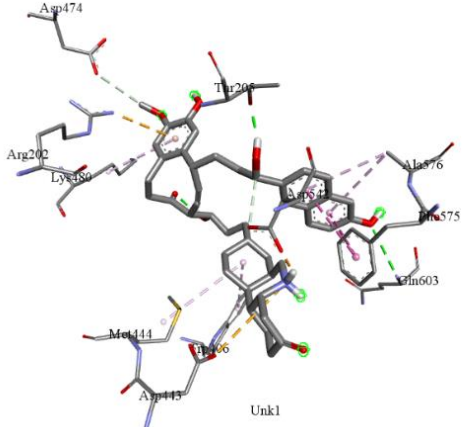
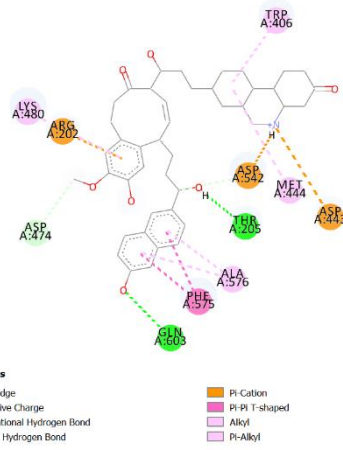
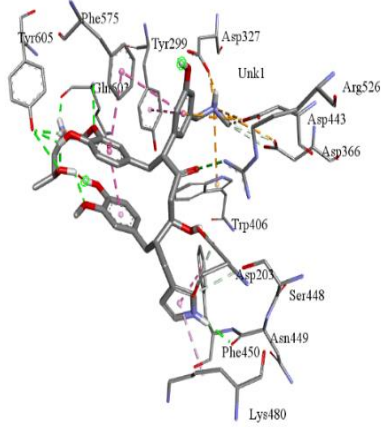
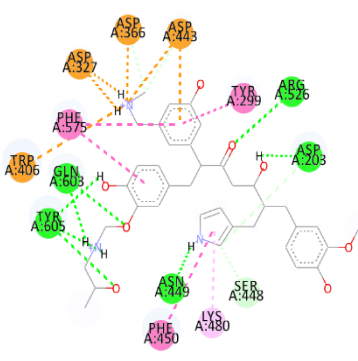
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makromolekul_ZINC000253388449	-5.42	makromolekul_ZINC000095911842	-3.42
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makromolekul_ZINC000070665714	-5.39	makromolekul_ZINC000070669920	-3.32
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makromolekul_ZINC000253499194	-5.35	makromolekul_ligand	-3.21
makromolekul_ZINC000070665984	-5.33		
makromolekul_ZINC000072320101	-5.33		
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makromolekul_ZINC000070665981	-5.07		
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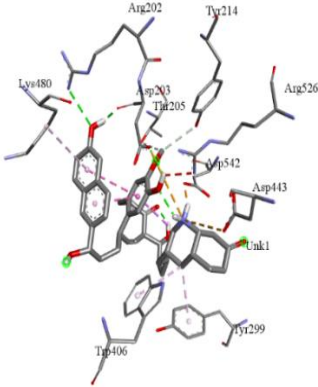
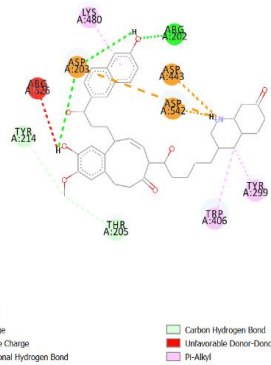
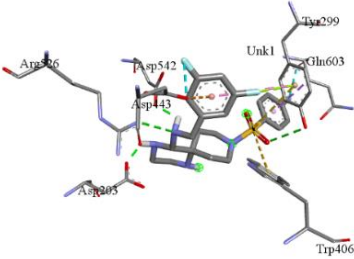
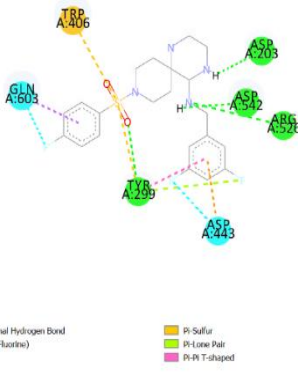
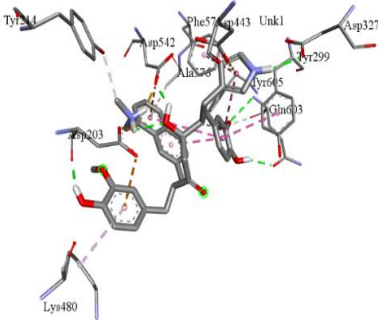
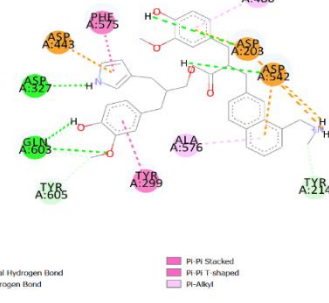
Lampiran 5 : 30 Hits Terpilih Penambatan Molekul

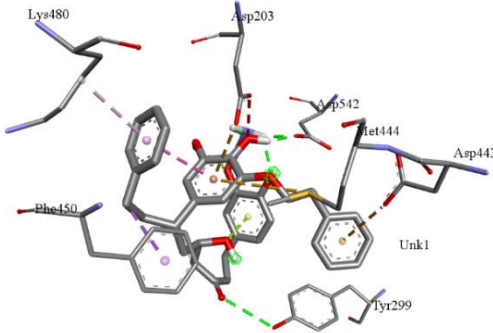
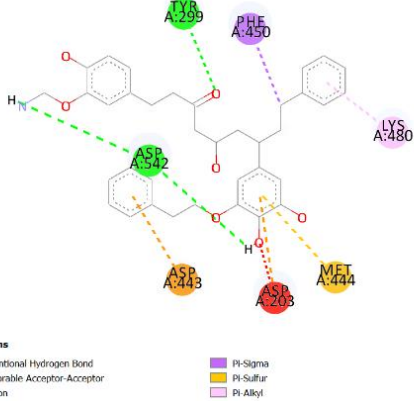
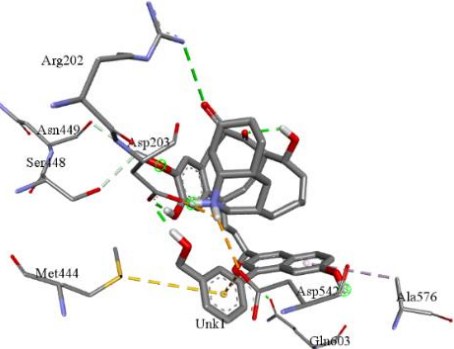
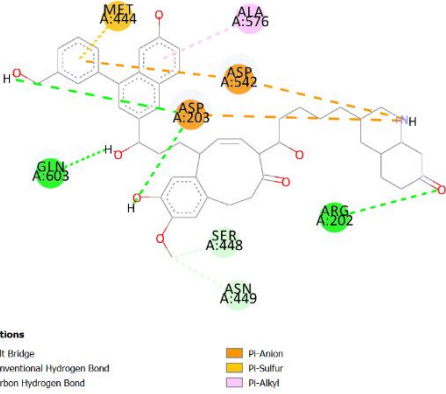
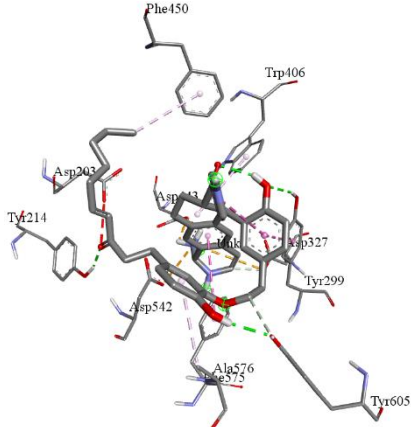
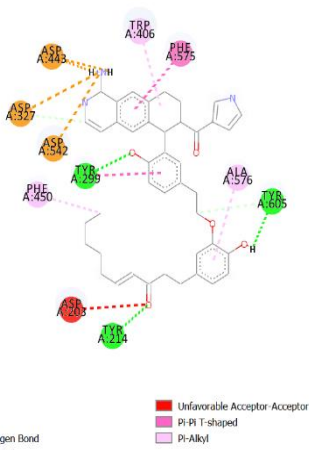
ID ZINC	ΔG (kcal/mol)
ZINC000252515534	-9.7
ZINC000079216817	-8.89
ZINC000085594035	-8.66
ZINC000012876066	-8.62
ZINC000070698228	-8.61
ZINC000012879355	-8.4
ZINC000002138356	-8.06
ZINC000255251784	-8.06
ZINC000253388167	-7.95
ZINC000002104916	-7.91
ZINC000067902626	-7.86
ZINC000085594316	-7.81
ZINC000002097008	-7.8
ZINC000073170140	-7.73
ZINC000012879272	-7.71
ZINC000085493102	-7.69
ZINC000095912416	-7.62
ZINC000003978633	-7.61
ZINC000002111216	-7.59
ZINC000070699706	-7.57
ZINC000002153576	-7.48
ZINC000008790338	-7.45
ZINC000035456305	-7.36
ZINC000049637490	-7.33
ZINC000070451123	-7.32
ZINC000014812218	-7.29
ZINC000004027457	-7.28
ZINC000070680450	-7.18
ZINC000002111260	-6.87
ZINC000253499447	-6.62

Lampiran 6 : Visualisasi 2D dan 3D dari Hits Terbaik

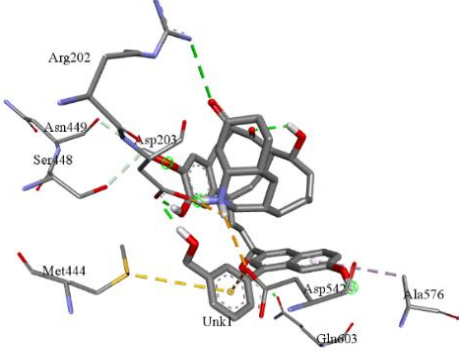
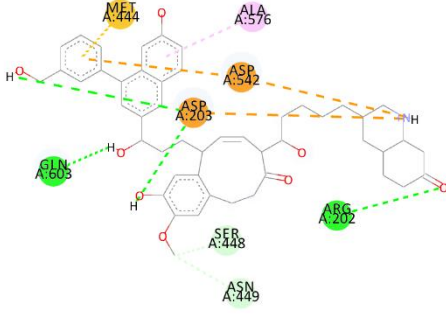
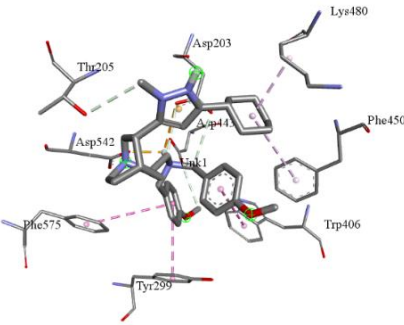
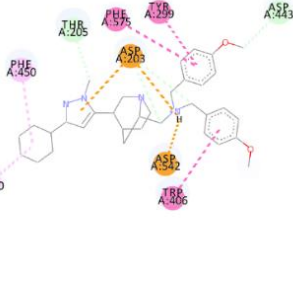
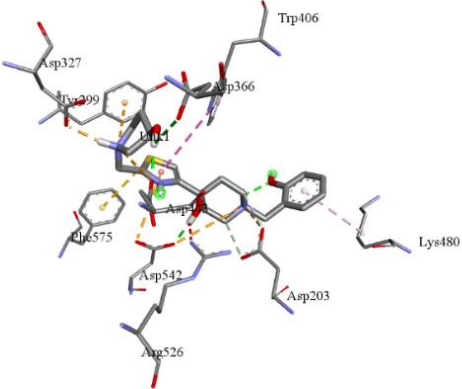
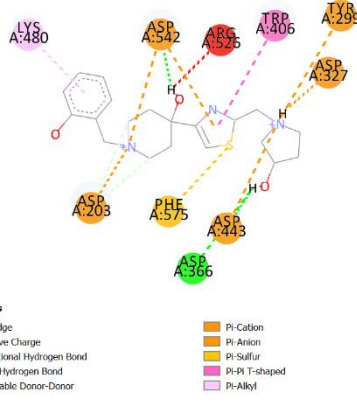
3D	2D	ΔG
ZINC000252515534		
(E)-2-cyano-3-(1,3-dimethyl-2,4-dioxo-pyrimidin-5-yl)-N-[3-(1-piperidylsulfonyl)phenyl]prop-2-enamid		
	 Interactions - Attractive Charge - Conventional Hydrogen Bond - Alkyl - Pi-Alkyl	-9.7
ZINC000079216817		
(3S)-3-[4-[2-[(8R,9S,10R,13S,14S,17R)-17-acetoxy-10,13-dimethyl-3-oxo-2,6,7,8,9,11,12,14,15,16-deca		
	 Interactions - Salt Bridge - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Alkyl	-8.89
ZINC000085594035		
(2R,6R)-6-[(3S,5S,10S,12S,13R,14R,17R)-12-acetoxy-3-hydroxy-4,4,10,13,14-pentamethyl-7,11,15-trioxo-		
	 Interactions - Salt Bridge - Conventional Hydrogen Bond - Unfavorable Donor-Donor - Alkyl	-8.66

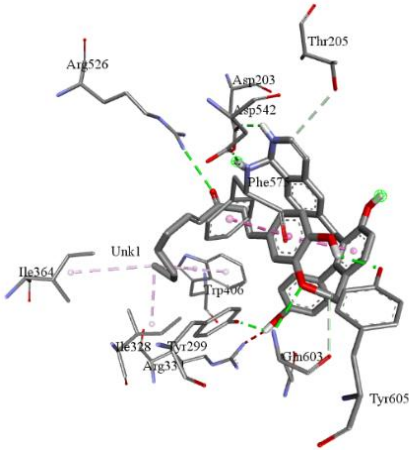
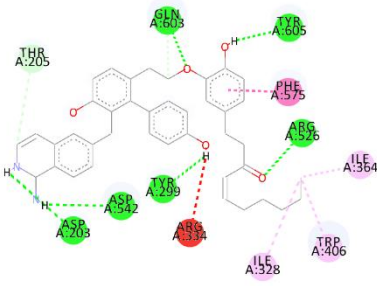
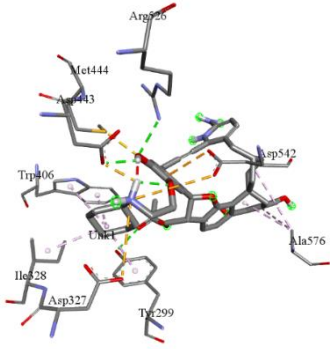
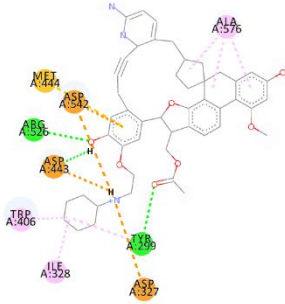
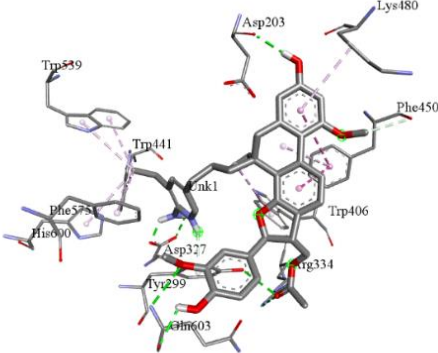
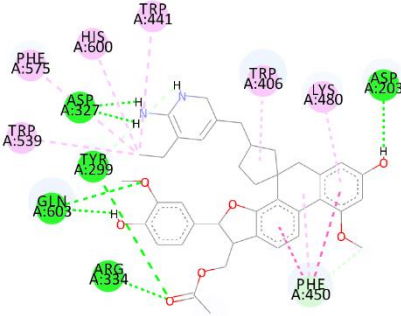
3D	2D	ΔG
ZINC000012876066		
17,21-Dihydroxypregn-4-ene-3,11,20-trione 21-(hydrogensuccinate); 21-(3-Carboxy-1-oxopropoxy)-17-hydroxypregn-4-ene-3,11,20-trione; C15429; Cortisone 21-succinate		
	 Interactions - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Sulfur-X - Pi-Anion - Pi-Pi Stacked - Pi-Pi T-shaped - Pi-Alkyl	-8.62
ZINC000070698228		
(2S)-2-[[4-[2-[(8S,9S,10R,13S,14S,17R)-17-hydroxy-10,13-dimethyl-3,11-dioxo-1,2,6,7,8,9,12,14,15,16-		
	 Interactions - Salt Bridge - Attractive Charge - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Pi-Cation - Pi-Pi T-shaped - Alkyl - Pi-Alkyl	-8.61
ZINC000012879355		
4-[2-[(8S,9S,10R,13S,14S,17R)-17-hydroxy-10,13-dimethyl-3,11-dioxo-6,7,8,9,12,14,15,16-octahydrocyclo		
	 Interactions - Salt Bridge - Attractive Charge - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Pi-Cation - Pi-Anion - Pi-Pi Stacked - Pi-Pi T-shaped - Pi-Alkyl	-8.4

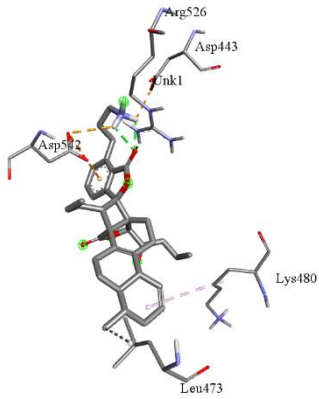
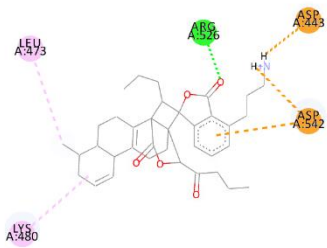
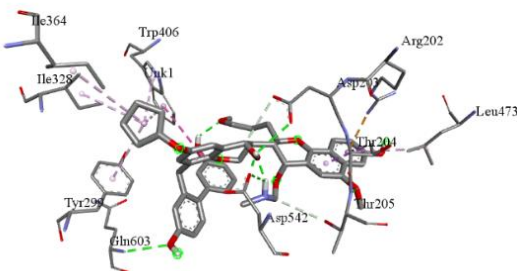
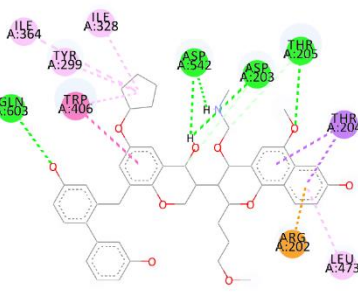
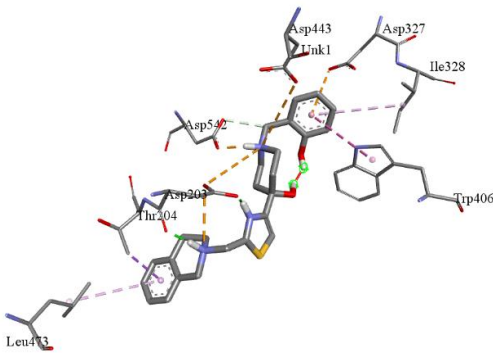
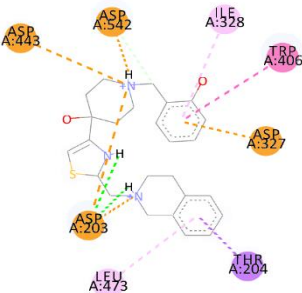
3D	2D	ΔG
ZINC000002138356		
(2S)-3-(5-hydroxy-1H-indol-3-yl)-2-[[[(2S)-2-[(6-keto-3-methyl-7,8,9,10-tetrahydrobenzo[c]isochromen-		
		-8.06
ZINC000253388167		
4-cyano-N-[2-[N'-(4-isopentyloxybenzoyl)hydrazino]-2-oxo-ethyl]-N-methyl-benzenesulfonamide		
		-7.95
ZINC000002104916		
(2S,3R)-2-[3-(2-keto-4,11-dimethyl-6,7,8,9-tetrahydrobenzofuro[3,2-g]chromen-3-yl)propanoylamino]-3-		
		-7.91

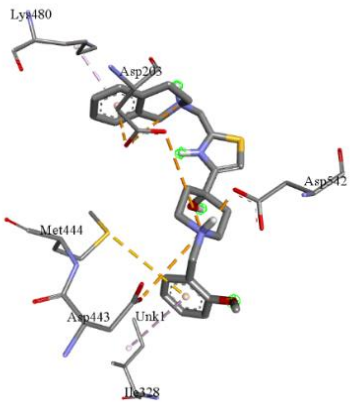
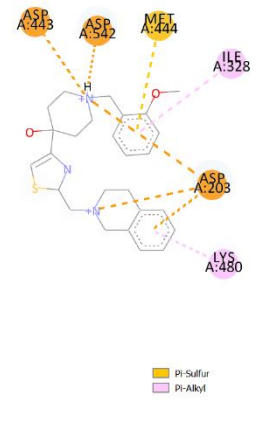
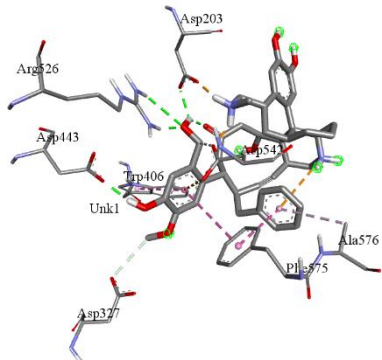
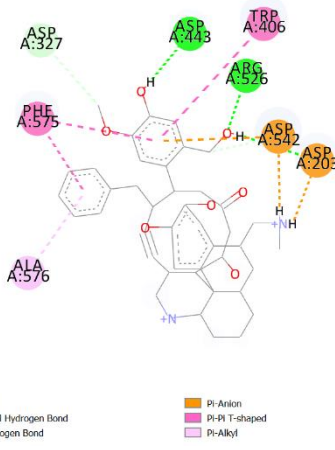
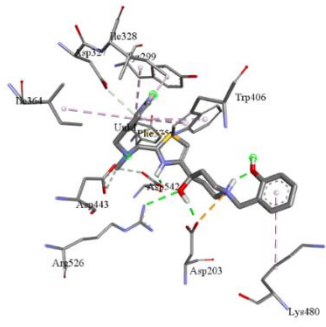
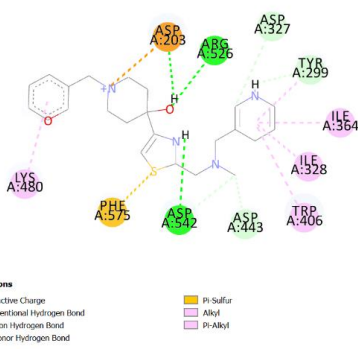
3D	2D	ΔG
ZINC000067902626		
(3-furyl-tetramethyl-trioxo-BLAHyl)		
	 Interactions - Conventional Hydrogen Bond - Unfavorable Acceptor-Acceptor - Pi-Anion - Pi-Sigma - Pi-Sulfur - Pi-Alkyl	-7.86
ZINC000085594316		
methyl		
	 Interactions - Salt Bridge - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Pi-Anion - Pi-Sulfur - Pi-Alkyl	-7.81
ZINC00002097008		
(2R)-2-[3-(2-keto-4,11-dimethyl-6,7,8,9-tetrahydrobenzofuro[3,2-g]chromen-3-yl)propanoylamino]hexano		
	 Interactions - Salt Bridge - Attractive Charge - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Unfavorable Acceptor-Acceptor - Pi-Pi T-shaped - Pi-Alkyl	-7.8

3D	2D	ΔG
ZINC000073170140		-7.73
(2R,6R)-6-[(3S,5R,7S,10S,12S,13R,14R,17R)-12-acetoxy-3,7-dihydroxy-4,4,10,13,14-pentamethyl-11,15-di		
ZINC000012879272		-7.71
2-[4-[2-[(8S,9S,10R,13S,14S,17R)-17-hydroxy-10,13-dimethyl-3,11-dioxo-1,2,6,7,8,9,12,14,15,16-decah		
ZINC000085493102		-7.69
(diacetoxy-dihydroxy-tetramethyl-methylene-BLAHyl)		

3D	2D	ΔG
ZINC000003978633		
Quassin		
	 Interactions - Salt Bridge - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Pi-Anion - Pi-Sulfur - Pi-Alkyl	-7.61
ZINC000002111216		
(2R)-2-[[2-[3-(7-keto-2,3,5-trimethyl-furo[3,2-g]chromen-6-yl)propanoylamino]acetyl]amino]-4-methyl-		
	 Interactions - Salt Bridge - Carbon Hydrogen Bond - Pi-Anion - Pi-Pi T-shaped - Alkyl - Pi-Alkyl	-7.59
ZINC000070699706		
(2R)-3-methyl-2-[[[(2S,3R)-3-methyl-2-[(oxoBLAHcarbonyl)amino]pentanoyl]amino]butanoic		
	 Interactions - Salt Bridge - Attractive Charge - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Unfavorable Donor-Donor - Pi-Cation - Pi-Anion - Pi-Sulfur - Pi-Pi T-shaped - Pi-Alkyl	-7.57

3D	2D	ΔG
ZINC000002153576		
(2S)-2-[3-(2-keto-4,11-dimethyl-6,7,8,9-tetrahydrobenzofuro[3,2-g]chromen-3-yl)propanoylamino]-4-met		
	 Interactions - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Unfavorable Donor-Donor - Pi-Pi T-shaped - Alkyl - Pi-Alkyl	-7.48
ZINC000008790338		
3-(4-chlorophenyl)-2-[2-[2-(7-methoxy-4,8-dimethyl-2-oxo-chromen-3-yl)acetyl]aminobutanoylamino]prop		
	 Interactions - Salt Bridge - Attractive Charge - Conventional Hydrogen Bond - Pi-Anion - Pi-Sulfur - Alkyl - Pi-Alkyl	-7.45
ZINC000035456305		
3-furyl-dihydroxy-pentamethyl-BLAHtrione		
	 Interactions - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Pi-Donor Hydrogen Bond - Pi-Pi Stacked - Alkyl - Pi-Alkyl	-7.36

3D	2D	ΔG
ZINC000049637490		
methyl		
	 Interactions - Salt Bridge - Conventional Hydrogen Bond - Pi-Anion - Alkyl	-7.33
ZINC000070451123		
(3-furyl-tetramethyl-trioxo-BLAHyl)		
	 Interactions - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Pi-Cation - Pi-Sigma - Pi-Pi T-shaped - Alkyl - Pi-Alkyl	-7.32
ZINC000014812218		
(acetoxy-hydroxy-trimethyl-methylene-dioxo-BLAHyl)		
	 Interactions - Salt Bridge - Attractive Charge - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Pi-Anion - Pi-Sigma - Pi-Pi Stacked - Pi-Alkyl	-7.29

3D	2D	ΔG
ZINC000070680450		
[(2R,3S,4R,6R)-3-acetoxy-6-[[[(3S,5S,8R,9S,10S,13R,14S,17R)-10-formyl-5,14-dihydroxy-13-methyl-17-(5-		
	 Interactions - Salt Bridge - Attractive Charge - Pi-Anion - Pi-Sulfur - Pi-Alkyl	-7.18
ZINC000002111260		
(2R)-2-[3-(7-keto-2,3,5-trimethyl-furo[3,2-g]chromen-6-yl)propanoylamino]-6-ureido-hexanoate		
	 Interactions - Salt Bridge - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Pi-Anion - Pi-H T-shaped - Pi-Alkyl	-6.87
ZINC000253499447		
[(1S)-1-methyl-2-[(4-nitrophenyl)carbamoylamino]-2-oxo-ethyl]		
	 Interactions - Attractive Charge - Conventional Hydrogen Bond - Carbon Hydrogen Bond - Pi-Donor Hydrogen Bond - Pi-Sulfur - Alkyl - Pi-Alkyl	-6.62

Lampiran 7 : Hasil Turnitin

Jessica Aulia_Laporan Tugas Akhir			
ORIGINALITY REPORT			
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13	journal.unpak.ac.id Internet Source	<1%	

Lampiran 8 : Riwayat Hidup



JESSICA AULIA

082185722794 | jessicaaulia1410@gmail.com | www.linkedin.com/in/jessica-aulia

Saya merupakan seorang lulusan jurusan S1 Farmasi yang memiliki pengalaman magang dalam pelayanan farmasi. Dengan latar belakang pendidikan dan pengalaman, saya memiliki pemahaman mendalam tentang prinsip-prinsip farmasi, pengembangan obat, pencarian senyawa obat baru, dan peraturan yang terkait farmasi. Saya memahami pentingnya kualitas dan keamanan dalam pelayanan kesehatan, serta memiliki komitmen yang kuat untuk memberikan kontribusi pada pengembangan solusi farmasi yang inovatif untuk meningkatkan kualitas hidup masyarakat.

Pengalaman Kerja

Apotek Mela

Jun 2022 - Nov 2022

Magang

- Melakukan Swamedikasi, Pengkajian, dan Pelayanan Resep
- Mampu memelihara kebersihan ruang peracikan, lemari obat, gudang dan rak obat.
- Mampu melakukan PIO dengan pasien dalam penjelasan efek samping obat

Kedai Pinky

Mar 2020 - Jan 2021

Kasir

- Bertanggung jawab dalam melayani proses transaksi pembayaran pelanggan
- Mampu membuat hasil laporan keuangan dan memberikan pelayanan terbaik kepada pelanggan

Pendidikan

Universitas Bhakti Kencana – Bandung

Sep 2019 - Sep 2023

S1 Farmasi - IPK, 3.28/4.00

- Proyek penelitian pencarian senyawa obat baru untuk anti kanker serviks dengan judul "Skrining Virtual dari Permodelan Farmakofor berbasis Ligan dari Senyawa Germacranolide, dan Penambatan Molekul untuk Mengidentifikasi Inhibitor dari Topoisomerase"
- Ketua Pengabdian Masyarakat dalam kegiatan KKN Tematik BKU 2021 dengan project "Penyuluhan Kepatuhan Protokol Kesehatan dan Pelaksanaan Vaksinasi Sebagai Upaya untuk Mencegah Terjadinya Pemaparan Covid-19 di Kota Garut"

MAN 1 Bandar Lampung – Lampung

Jun 2016 - Jul 2019

Pengalaman Organisasi

BEM KEMA Universitas Bhakti Kencana

Okt 2022 - Jun 2023

Kepala Departemen Kajian Strategis dan Aksi

- Bertugas sebagai penanggung jawab dalam acara workshop Kelas Kajian Strategis dan Aksi.
- Mampu mengawal isu sosial dan politik di internal dan eksternal kampus.
- Mampu dan bertanggung jawab dalam pelaksanaan Kajian dan Propaganda pada suatu isu.

BEM KEMA Universitas Bhakti Kencana

Agu 2021 - Agu 2022

Staff Kementerian Media Informasi dan Komunikasi

- Bertanggung jawab dalam dokumentasi dan publikasi segala bentuk kegiatan BEM KEMA UBK
- Mampu mengemas publikasi dengan menarik dan mudah dipahami dengan peran sebagai media marketing
- BEM KEMA UBK Bertanggung jawab memfasilitasi hubungan BEM KEMA UBK dengan pihak luar melalui media sosial BEM KEMA UBK

Pharmacy Football Club

Apr 2021 - Jul 2022

Sekretaris Umum

- Bertanggung jawab atas manajemen atau pengelolaan
- administrasi organisasi Mampu menuliskan notulensi dalam semua kegiatan dan kepentingan UKM Mampu dalam pembuatan dan mengarsipkan dokumen-dokumen kesekretariatan

Bina Desa Lampung Barat

Mei 2021 - Agu 2021

Sekretaris Koordinator Humas

- Bertanggung jawab atas manajemen atau pengelolaan surat-surat yang
- dibutuhkan dalam divisi Humas Mampu menuliskan surat-surat dan notulensi dalam semua kegiatan dan kepentingan divisi Humas Mampu dalam pembuatan dan mengarsipkan dokumen-dokumen divisi Humas

Skills, Achievements & Experience

- **Projects** (2023) : Penelitian pencarian senyawa obat baru untuk anti kanker serviks dengan judul "Skrining Virtual dari Permodelan Farmakofor berbasis Ligan dari Senyawa Germacranolide, dan Penambatan Molekul untuk Mengidentifikasi Inhibitor dari Topoisomerase" sebagai salah satu syarat Tugas Akhir S1 Farmasi, sebagai peneliti.
- **Projects** (2022): Pengabdian Masyarakat dalam Program IPE (Inter Profesional Education) dengan Tema "KB dan Kesehatan Reproduksi di Kecamatan Rancasari"
- **Projects** (2021) : Penyuluhan Kepatuhan Protokol Kesehatan dan Pelaksanaan Vaksinasi Sebagai Upaya untuk Mencegah Terjadinya Pemaparan Covid-19 di Kota Garut
- **Hard Skills** : Pemahaman Prinsip-prinsip Farmasi, Dispensing Obat, Validasi Metode Analisis, Pengembangan Obat, Manajemen Obat, Pemahaman CPOB CPKB dalam Industri Farmasi, Microsoft Office (Word, Excel, dan Power Point), Desain Grafis (Canva).
- **Soft Skills**: Komunikasi, Pelayanan, Manajemen Waktu, Kerjasama Tim, Kepemimpinan, Mampu Berkerja di bawah Tekanan.
- **Bahasa**: Bahasa Indonesia (Fasih), Bahasa Inggris (Menengah)