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LAMPIRAN

Lampiran 1. Senyawa rumput laut *Caulerpa racemosa*

No	Senyawa	Area %	Berat molekul (MW)	Smiles	PubChem ID
1	*Methane, (Methylsulfinyl)(Methylthio)-*	1.71	124	CSCS(=O)C	99129
2	*Silane, Dimethoxymethyl-*	0.62	106	CO[SiH](C)OC	85623
3	*2-Butanon, 3-Hydroxy*	0.16	88	CC(C(=O)C)O	179
4	*2,2-Dimethoxybutane*	0.35	118	CCC(C)(OC)OC	137941
5	*5-[(Propylsulfanyl)Methyl]-2,4-Imidazolidinedione #*	0.02	188	CCCSCC1C(=O)NC(=O)N1	560576
6	*Hexanal*	0.36	100	CCCCCC=O	6184
7	*(Z)-3-Chloropropenamide*	0.16	105	C(CCl)N=C=O	16035
8	*3-Methoxy-1,1-Dimethylsilacyclopentane*	0.35	144	CCC=CO[Si](C)(C)C	88325
9	*1,1-Diethoxy-2-Ethylhexane*	0.19	202	CCCCC(CC)C(OCC)OCC	12504289
10	*2-Decenal, (E)-*	0.09	154	CCCCCCCC=CC=O	5283345
11	*Tetradecane*	0.21	198	CCCCCCCCCCCCCC	12389
12	*1s-Neomenthyl Acetate*	0.01	198	CC1CCC(C(C1)OC(=O)C)C(C)C	75699
13	*Nonanoic Acid, 9-Oxo-, Methyl Ester*	0.08	186	COC(=O)CCCCCCCC=O	74732
14	*3-Buten-2-One, 4-(2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-*	0.05	192	CC1=CCCC(C1C=CC(=O)C)(C)C	5282108
15	*R-(+)-Methyl-3-Isopropyl-6-Oxoheptanoate*	0.58	200	CC(C)C(CCC(=O)C)CC(=O)OC	11390031
16	*4-(2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-2-Pentanone*	0.24	208	CC1=CCCC(C1C(C)CC(=O)C)(C)C	579168
17	*Phenol, 3,5-Bis(1,1-Dimethylethyl)-*	0.17	206	CC(C)(C)C1=CC(=CC(=C1)O)C(C)(C)C	70825

18	*4-(2,2,6-Trimethyl-7-Oxa-Bicyclo[4.1.0]Hept-1-Yl)-But-3-En-2-One*	0.41	208	CCC(=O)OC1CC(CC=C1C)C(=C)C	7336
19	*Phenol, 2,4-Bis(1,1-Dimethylethyl)-*	0.58	206	CC(C)(C)C1=CC(=C(C=C1)O)C(C)(C)C	7311
20	*Dodecanoic Acid, Methyl Ester*	0.18	214	CCCCCCCCCCCC(=O)OC	8139
21	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-4,4,7a-Trimethyl-*	0.40	180	CC1(CCCC2(C1=CC(=O)O2)C)C	27209
22	*1,8(2H,5H)-Naphthalenedione, Hexahydro-8a-Methyl-, Cis*	0.52	180	CC12C(CCCC1=O)CCCC2=O	580218
23	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-4,4,7a-Trimethyl-*	1.60	180	CC1(CCCC2(C1=CC(=O)O2)C)C	27209
24	*Octanoic Acid, 3-Pentadecyl Ester*	0.29	354	CCCCCCCCCCCCC(CC)OC(=O)CCCCCCC	581291
25	*Hexadecane*	0.39	226	CCCCCCCCCCCCCCCC	11006
26	*7-Hexadecenoic Acid, Methyl Ester, (Z)-*	0.46	268	CCCCCCCCC=CCCCCCC(=O)OC	5364431
27	*Heneicosane*	0.45	296	CCCCCCCCCCCCCCCCCCCCC	12403
28	*4-(1,5-Dihydroxy-2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-3-Buten-2-One*	0.37	224	CC1=CCC(C(C1(C=CC(=O)C)O)(C)C)O	5363693
29	*Heneicosane*	0.21	296	CCCCCCCCCCCCCCCCCCCCC	12403
30	*Tridecanol, 2-Ethyl-2-Methyl-*	0.22	242	CCCCCCCCCCC(C)(CC)CO	545928
31	*As-Indacene, Dodecahydro-4-(1-Octylnonyl)-*	0.59	402	CCCCCCCCC(CCCCCCCC)C1CC2CCCC2C3C1CCC3	296574
32	*Heptadecane*	0.70	240	CCCCCCCCCCCCCCCCC	12398
33	*4-(4-Hydroxy-2,2,6-Trimethyl-7-Oxa-Bicyclo[4.1.0]Hept-1-Yl)-But-3-En-2-One*	0.79	224	CC(=O)C=CC12C(CC(CC1(O2)C)O)(C)C	636523
34	*Tetradecanoic Acid, Methyl Ester*	0.98	242	CCCCCCCCCCCCCC(=O)OC	31284

35	*Hexadecane, 2,6,10,14-Tetramethyl-*	0.38	282	CCC(C)CCCC(C)CCCC(C)CCCC(C)C	12523
36	*Hexadecane, 2-Methyl-*	0.19	240	CCCCCCCCCCCCCCC(C)C	15266
37	*Pentadecane, 8-Hexyl-*	0.22	296	CCCCCCCC(CCCCCC)CCCCCCC	300518
38	*Heptadecane, 2-Methyl-*	0.22	254	CCCCCCCCCCCCCCCC(C)C	15265
39	*3-Methylheptadecane*	0.45	254	CCCCCCCCCCCCCCC(C)CC	94321
40	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-6-Hydroxy-4,4,7a-Trimethyl-, (6s-Cis)-*	0.44	196	CC1(CC(CC2(C1=CC(=O)O2)C)O)C	100332
41	*1-Octadecanethiol*	0.29	286	CCCCCCCCCCCCCCCCCCS	17905
42	*Octadecane*	0.50	254	CCCCCCCCCCCCCCCCCC	11635
43	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-6-Hydroxy-4,4,7a-Trimethyl-, (6s-Cis)-*	1.35	196	CC1(CC(CC2(C1=CC(=O)O2)C)O)C	100332
44	*Pentadecanoic Acid, Methyl Ester*	1.02	256	CCCCCCCCCCCCCC(=O)OC	23518
45	*2,6,10-Trimethyl,14-Ethylene-14-Pentadecne*	2.69	278	CC(C)CCCC(C)CCCC(C)CCCC(=C)C=C	10446
46	*2-Pentadecanone, 6,10,14-Trimethyl-*	1.87	268	CC(C)CCCC(C)CCCC(C)CCCC(=O)C	10408
47	*2,6,10-Trimethyl,14-Ethylene-14-Pentadecne*	1.46	278	CC(C)CCCC(C)CCCC(C)CCCC(=C)C=C	10446
48	*1-Butyl 2-(8-Methylnonyl) Phthalate #*	0.30	362	CCCCOC(=O)C1=CC=CC=C1C(=O)OCCCCCCCC(C)C	39180
49	*2,6,10-Trimethyl,14-Ethylene-14-Pentadecne*	1.93	278	CC(C)CCCC(C)CCCC(C)CCCC(=C)C=C	10446
50	*9-Hexadecenoic Acid, Methyl Ester, (Z)-*	1.97	268	CCCCCCC=CCCCCCCCC(=O)OC	643801
51	*Hexadecanoic Acid, Methyl Ester*	9.83	270	CCCCCCCCCCCCCCCC(=O)OC	8181
52	*3,7,11,15-Tetramethylhexadec-1-En-3-Ol*	0.03	296	CC(C)CCCC(C)CCCC(C)CCCC(C)(C=C)O	10453

53	*2,3-Dimethyl-1-Undecen-3-Ol*	0.07	198	CCCCCCCCC(C)(C(=C)C)O	559021
54	*1,2-Benzenedicarboxylic Acid, Butyl 8-Methylnonyl Ester*	0.08	362	CCCCOC(=O)C1=CC=CC=C1C(=O)OCCCCCCCC(C)C	39180
55	*Hexadecanoic Acid, Ethyl Ester*	1.29	284	CCCCCCCCCCCCCCCC(=O)OCC	12366
56	*Cis-9-Hexadecenal*	0.65	238	CCCCCCC=CCCCCCCCC=O	5364643
57	*Heneicosanoic Acid, Methyl Ester*	0.82	340	CCCCCCCCCCCCCCCCCCCCC(=O)OC	22434
58	*Methyl 2-Ethylhexyl Phthalate*	0.45	292	CCCCC(CC)COC(=O)C1=CC=CC=C1C(=O)OC	596027
59	*2-Norpinanol, 3,6,6-Trimethyl-*	0.52	154	CC1CC2CC(C1O)C2(C)C	558905
60	*8 9,12-Octadecadienoic Acid (Z,Z)-, Methyl Ester*	21.31	294	CCCCCC=CCC=CCCCCCCCC(=O)OC	528441
61	*Palmitaldehyde, Diallyl Acetal*	1.45	338	CCCCCCCCCCCCCCCC(OCC=C)OCC=C	319417400
62	*Ethyl (9z,12z)-9,12-Octadecadienoate #*	4.55	308	CCCCCC=CCC=CCCCCCCCC(=O)OCC	5282184
63	*10-Nonadecenoic Acid, Methyl Ester*	0.68	310	CCCCCCCCC=CCCCCCCCCC(=O)OC	5364486
64	*6,9,12-Octadecatrienoic Acid, Methyl Ester*	3.29	292	CCCCCC=CCC=CCC=CCCCCC(=O)OC	5362805
65	*Linolensaeuremethylester*	3.57	292	CCC=CCC=CCC=CCCCCCCCC(=O)OC	5367462
66	*9-Octadecynoic Acid, Methyl Ester*	3.61	294	CCCCCCCCC#CCCCCCCCC(=O)OC	534587
67	*4,8,12,16-Tetramethylheptadecan-4-Olide*	2.08	324	CC(C)CCCC(C)CCCC(C)CCCC1(CCC(=O)O1)C	567149

68	*Methyl Eicosa-5,8,11,14,17-Pentaenoate*	3.59	316	CCC=CCC=CCC=CCC=CCC=CCC CC(=O)OC	5367433
69	*7,9-Dimethyl-8-Nitrobicyclo[4.3.1]Decan-10-One*	0.68	225	CC1C2CCCCC(C2=O)C(C1[N+](=O)[O-])C	534696
70	*1,2-Benzenedicarboxylic Acid, Ditridecyl Ester*	0.38	530	CCCCCCCCCCCCCOC(=O)C1=C C=CC=C1C(=O)OCCCCCCCCCC CCC	8379
71	*Docosanoic Acid, Methyl Ester*	0.72	354	CCCCCCCCCCCCCCCCCCCCCC (=O)OC	13584
72	*1,2-Benzenedicarboxylic Acid*	0.83	390	CCCCC(CC)COC(=O)C1=CC=CC=C1C(=O)OCC(CC)CCCC	8343
73	*Ethyl Docosanoate*	0.03	368	CCCCCCCCCCCCCCCCCCCCCC (=O)OCC	22199
74	*Tricosanoic Acid, Methyl Ester*	0.06	368	CCCCCCCCCCCCCCCCCCCCCC C(=O)OC	75519
75	*Dotriacontane*	0.08	450	CCCCCCCCCCCCCCCCCCCCCC CCCCCCCCCC	11008
76	*Tetracosanoic Acid, Methyl Ester*	0.18	382	CCCCCCCCCCCCCCCCCCCCCC CC(=O)OC	75546
77	*N-[1-(1-Adamantan-1-Yl-Propyl)-2,5-Dioxo-4-Trifluoromethyl-Imidazolidin-4-Yl]-4-Methoxy-Benzamide*	0.04	493	CCC(C12CC3CC(C1)CC(C3)C2)N 4C(=O)C(NC4=O)(C(F)(F)F)NC(=O)C5=CC=C(C=C5)OC	4213120
78	*17-Pentatriacontene*	0.05	490	CCCCCCCCCCCCCCCCC=CCC CCCCCCCCCCCCCC	5365022
79	*2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-Hexamethyl-, (All-E)-*	0.18	410	CC(=CCCC(=CCCC(=CCCC=C(C) CCC=C(C)CCC=C(C)C)C)C)C	638072

80	*1,6,10-Dodecatrien-3-Ol, 3,7,11-Trimethyl-, [S-(Z)]-*	0.03	222	CC(=CCCC(=CCCC(C)(C=C)O)C)C	3520128
81	*2H-1-Benzopyran-6-Ol, 3,4-Dihydro-2,8-Dimethyl-2-(4,8,12-Trimethyltridecyl)-, [2R-[2R@(4R@,8R@)]]-*	0.57	402	CC1=CC(=CC2=C1OC(CC2)(C)CCCC(C)CCCC(C)CCCC(C)C)O	586537
82	*2H-1-Benzopyran-6-Ol, 3,4-Dihydro-2,8-Dimethyl-2-(4,8,12-Trimethyltridecyl)-, [2R-[2R@(4R@,8R@)]]-*	0.76	402	CC1=CC(=CC2=C1OC(CC2)(C)CCCC(C)CCCC(C)CCCC(C)C)O	586537
83	*Hexatriacontane*	0.16	506	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	12412
84	*1-(4-Ethoxy-2-Hydroxyphenyl)-1-Octadecanone #*	0.06	404	CCCCCCCCCCCCCCCCCC(=O)C1=C(C=C(C=C1)OCC)O	601846
85	*.Beta.-Tocopherol*	0.15	416	CC1=CC(=C(C2=C1OC(CC2)(C)CCCC(C)CCCC(C)CCCC(C)C)C)O	6857447
86	*Tetracontane*	0.08	562	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	20159
87	*Cholesta-4,6-Dien-3-Ol, Benzoate, (3.Beta.)-*	0.07	488	CC(C)CCCC(C)C1CCC2C1(CCC3C2C=CC4=CC(CCC34C)OC(=O)C5=CC=CC=C5)C	33010
88	*Stigmast-5-En-3-Ol, Oleate*	0.10	678	CCCCCCCCC=CCCCCCCCC(=O)OC1CCC2(C3CCC4(C(C3CC=C2C1)CCC4C(C)CCC(CC)C(C)C)C)C	20831071
89	*.Alpha.-Tocopherol-.Beta.-D-Mannoside*	0.12	592	CC1=C(C(=C(C2=C1OC(CC2)(C)CCCC(C)CCCC(C)CCCC(C)C)C)OC3C(C(C(O3)C(CO)O)O)O)C	570057

90	*Stigmasta-5,23-Dien-3-Ol, (3.Beta.)-*	0.31	412	CCC(CCC(C)C1CCC2C1(CCC3C2=CC=C4C3(CCC(C4)O)C)C)C(C)C	10740
91	*Stigmast-5-En-3-Ol, (3.Beta.)-*	0.61	414	CCC(CCC(C)C1CCC2C1(CCC3C2CC=C4C3(CCC(C4)O)C)C)C(C)C	222284
92	*Lupeol*	0.15	426	CC(=C)C1CCC2(C1C3CCC4C5(CCC(C(C5CCC4(C3(CC2)C)C)(C)C)O)C)C	259846

Lampiran 2. Senyawa rumput laut *Sargassum polycystum*

No.	Senyawa	Area %	Berat molekul (MW)	Smiles	PubChem ID
1	*1,3,5-Triazine-2,4-Diamine, 6-Chloro-N-Ethyl-*	12.85	173	CCNC1=NC(=NC(=N1)N)Cl	13878
2	*1,6-Octadien-3-Ol, 3,7-Dimethyl-*	2.31	154	CC(=CCCC(C)(C=C)O)C	6549
3	*1-Decanol*	2.40	158	CCCCCCCCCCO	8174
4	*Undecane*	6.54	156	CCCCCCCCCCC	14257
5	*N-Formylmorpholine*	1.59	115	C1COCCN1C=O	20417
6	*Cyclohexasiloxane, Dodecamethyl-*	0.99	444	C[Si]1(O[Si](O[Si](O[Si](O[Si](O[Si](O1)(C)C)(C)C)(C)C)(C)C)(C)C)C	10911
7	*1,3-Dioxane, 4,6-Dimethyl-*	5.00	116	CC1CC(OCO1)C	136893
8	*Methenamine*	6.73	140	C1N2CN3CN1CN(C2)C3	4101
9	*Azulene, 1,2,3,5,6,7,8,8a-Octahydro-1,4-Dimethyl-7-(1-Methylethenyl)-, [1S-(1.Alpha.,7.Al*	2.07	204	CC1CCCC2=CCC(CC12C)C(=C)C	2237
10	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-6-Hydroxy-4,4,7a-Trimethyl-, (6S-CIS)-*	1.05	196	CC(C)COC(=O)CCC1=CC=CO1	100332
11	*2,6,10-Trimethyl,14-Ethylene-14-Pentadecne*	2.07	278	CC(C)CCCC(C)CCCC(C)CCCC(=C)C=C	10446
12	*2,6,10-Trimethyl,14-Ethylene-14-Pentadecne*	1.33	278	CC(C)CCCC(C)CCCC(C)CCCC(=C)C=C	10446
13	*Hexadecanoic Acid, Methyl Ester*	6.66	270	CCCCCCCCCCCCCCCC(=O)OC	8181
14	*Hexadecanoic Acid, Ethyl Ester*	1.08	284	CCCCCCCCCCCCCCCCC(=O)O	5281

15	*9-Octadecenoic Acid (Z)-, Methyl Ester*	3.11	296	CCCCCCCCC=CCCCCCCCC(=O)OC	8202
16	*6,8-Dioxabicyclo(3.2.1)Octan-4.Beta.-Ol*	1.59	130	CCC(C)C(=O)C(=O)O	47
17	*Octadecanoic Acid, Methyl Ester*	1.30	298	CCCCCCCCCCCCCCCCCC(=O)OC	8201
18	*9,19-Cycloergost-24(28)-En-3-Ol, 4,14-Dimethyl-, Acetate, (3.Beta.,4.Alpha.,5.Alpha.)-*	3.62	468	CC(=O)OC1CCC2(C(C1(C)C)CCC3(C2CC=C4C3(CCC5(C4CC(CC5)(C)C)C)C)C)C	92156
19	*Dotriacontane*	7.90	450	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	11008
20	*Heneicosane, 11-Cyclopentyl-*	2.60	364	CCCCCCCCCCCCCCCCCCCCCC1CCCCC1	20511
21	*1,2-Benzenedicarboxylic Acid*	2.05	390	CCCCC(CC)COC(=O)C1=CC=CC=C1C(=O)OCC(CC)CCCC	8343
22	*Triacontane*	1.99	422	CC(C)CCCC(C)CCCC(C)CCCCC(C)CCCC(C)CCCC(C)C	8089
23	*Tetrapentacontane*	1.68	758	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	521846
24	*Triacontane*	3.64	422	CC(C)CCCC(C)CCCC(C)CCCCC(C)CCCC(C)CCCC(C)C	8089
25	*1-Hentetracontanol*	4.08	592	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCO	38627
26	*Cyclohexane, Nonadecyl-*	2.04	350	CCCCCCCCCCCCCCCCCCCC1CCCCC1	89671

27	*Hexacontane*	1.73	842	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	24318
28	*Tetracontane*	3.68	562	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	20149
29	*Tetracontane*	4.80	562	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	20149
30	*Cholest-5-En-3-Ol (3.Beta.)-*	1.51	386	CC(C)CCCC(C)C1CCC2C1(CCC3C2CC=C4C3(CCC(C4)O)C)C	5997

Lampiran 3. Senyawa rumput laut *Halymenia durvillei*

No	**Senyawa**	**Area %**	**Berat molekul (MW)**	**Smiles**	**PubChem ID**
1	*Benzene, Ethyl-*	6.27	106	CCC1=CC=CC=C1	7500
2	*Benzene, 1,2-Dimethyl-*	5.50	106	CC1=CC=CC=C1C	7237
3	*Benzene, Ethenyl-*	4.96	104	C=CC1=CC=CC=C1	7501
4	*Ethanol, 2-Butoxy-*	10.31	118	CCCCOCCO	8133
5	*2-Butoxyethyl Acetate*	0.25	160	CCCCOCCOC(=O)C	8160
6	*1-Dodecanol*	0.61	186	CCCCCCCCCCCCO	8193
7	*1-Tetradecanol*	2.79	214	CCCCCCCCCCCCCCO	8209
8	*Tetradecane*	0.35	198	CCCCCCCCCCCCCC	12389
9	*Dodecanal*	0.30	184	CCCCCCCCCCCC=O	8194
10	*Tetradecanal*	2.79	212	CCCCCCCCCCCCCC=O	31291
11	*1-Octadecene*	1.62	252	CCCCCCCCCCCCCCCCC=C	8217
12	*Hexadecane*	0.38	226	CCCCCCCCCCCCCCCC	11006
13	*Tetradecanal*	0.87	192	CCCCCCCCCCCCCC=O	31291
14	*1-Tetradecanol*	0.46	212	CCCCCCCCCCCCCCO	8209
15	*Heneicosane*	8.25	214	CCCCCCCCCCCCCCCCCCCCC	12403
16	*Octadecanal*	3.42	268	CCCCCCCCCCCCCCCCCC=O	12533
17	*Phenol, 4-(2,2,3,3-Tetramethylbutyl)-*	0.29	206	CC(C)(C)C(C)(C)CC1=CC=C(C=C1)O	41234
18	*Tetradecanoic Acid*	1.06	228	CCCCCCCCCCCCCC(=O)O	11005
19	*9-Octadecenal, (Z)-*	0.76	226	CCCCCCCCC=CCCCCCCCC=O	5364492
20	*5-Octadecene, (E)-*	0.33	252	CCCCCCCCCCCCC=CCCCC	5364598

21	*1-Octadecene*	1.47	252	CCCCCCCCCCCCCCCCC=C	8217
22	*Heneicosane*	0.87	214	CCCCCCCCCCCCCCCCCCCCC	12403
23	*13-Methyl-13-Tetradecene-1,12-Diol*	0.33	242	CCCCCCCCCCCCCC(=O)O	13849
24	*Cis-1-Chloro-9-Octadecene*	0.40	286	CCCCCCCC=CCCCCCCCCCl	5367784
25	*15-Isopropenyloxacyclopentadecan-2-One*	0.30	266	CC(=C)C1CCCCCCCCCCCCC(=O)O1	557450
26	*2,6,10-Trimethyl,14-Ethylene-14-Pentadecne*	0.24	278	CCCCCCCCCC#CCCCCCCCC	557019
27	*2-Pentadecanone, 6,10,14-Trimethyl-*	0.47	268	CC(C)CCCC(C)CCCC(C)CCCC(= O)C	10408
28	*3,7,11,15-Tetramethyl-2-Hexadecen-1-Ol*	0.23	296	CC(C)CCCC(C)CCCC(C)CCCC(=C CO)C	5366244
29	*E,E,Z-1,3,12-Nonadecatriene-5,14-Diol*	2.30	242	CCCCCCCCCCCCCC(=O)O	13849
30	*1-Octadecanol*	0.64	270	CCCCCCCCCCCCCCCCCCO	8221
31	*E,E,Z-1,3,12-Nonadecatriene-5,14-Diol*	2.30	294	CCCCCC(C=CCCCCCCC(C=CC= C)O)O	5364768
32	*1,2-Tetradecanediol*	1.49	230	CCCCCCCCCCCC(CO)O	89436
33	*Cis-1-Chloro-9-Octadecene*	4.28	286	CCCCCCCC=CCCCCCCCCCl	5367784
34	*Cis-9-Hexadecenal*	4.24	238	CCCCCCC=CCCCCCCCC=O	5364643
35	*E,E,Z-1,3,12-Nonadecatriene-5,14-Diol*	1.25	294	CCCCCC(C=CCCCCCCC(C=CC= C)O)O	5364768
36	*N-Hexadecanoicacid*	10.0 7	256	CCCCCCCCCCCCCCCC(=O)O	985
37	*1-Nonadecene*	1.83	266	CCCCCCCCCCCCCCCCCC=C	29075
38	*1H-3a,7-Methanoazulene, Octahydro-1,4,9,9-Tetramethyl-*	0.86	206	CC1CCC23C1CC(C2(C)C)CCC3C	29408
39	*Naphthalene, Decahydro-1,8a-Dimethyl-7-(1-Methylethyl)-, [1R-(1.Alpha.,4a.Beta.,7.Beta.*	1.00	208	CC1CCCC2C1(CC(CC2)C(C)C)C	27255

40	*Z-2-Tridecen-1-Ol*	0.54	198	CCCCCCCCCCC=CCO	5364998
41	*1-Hepten-1-Ol, Acetate*	0.36	156	CCCCCC=COC(=O)C	5363146
42	*Cyclopentadecanone, 2-Hydroxy-*	0.66	240	C1CCCCCCC(C(=O)CCCCCC1)O	543400
43	*Heptadecanoic Acid*	0.24	270	CCCCCCCCCCCCCCCCC(=O)O	10465
44	*5.Alpha.-Lanostane-7,11-Dione, 3.Beta.-Hydroxy-, Acetate*	0.30	500	CC(C)CCCC(C)C1CCC2(C1(CC(=O)C3C2C(=O)CC4C3(CCC(C4(C)C)OC(=O)C)C)C)C	242326
45	*Hexadecanal*	1.08	240	CCCCCCCCCCCCCCCC=O	984
46	*9-Octadecenoic Acid, (E)-*	2.56	282	CCCCCCCCC=CCCCCCCCC(=O)O	637517
47	*9-Octadecenoic Acid (Z)-*	0.70	282	CCCCCCCCC=CCCCCCCCC(=O)O	445639
48	*Hexadecanamide*	0.33	255	CCCCCCCCCCCCCCCC(=O)N	69421
49	*1-Tetracosanol*	0.74	354	CCCCCCCCCCCCCCCCCCCCCCCCO	10472
50	*Z-(13,14-Epoxy)Tetradec-11-En-1-Ol Acetate*	0.49	268	CC(=O)OCCCCCCCCCCC=CC1CO1	5363633
51	*9-Octadecenamide, (Z)-*	0.90	281	CCCCCCCCC=CCCCCCCCC(=O)N	5283387
52	*1-Triacontanol*	0.53	438	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCO	68972
53	*1,2-Benzenedicarboxylic Acid*	0.30	390	C1=CC=C(C(=C1)C(=O)O)C(=O)O	1017
54	*1-Triacontanol*	0.35	438	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCO	68972
55	*1-Triacontanol*	0.23	438	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCO	68972

56	*2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-Hexamethyl-, (All-E)-*	0.25	410	CC(=CCCC(=CCCC(=CCCC=C(C)CCC=C(C)CCC=C(C)C)C)C)C	638072
57	*5a,8a-Epidioxycholesta-6,9(11)-Dien-3b-Ol*	0.35	414	CC1CCC2(C(C3C(O2)CC4C3(CCC5C4CC=C6C5(CCC(C6)O)C)C)C)OC1	99474
58	*15-Methyl-Z-11-Hexadecenal*	0.46	252	CC(C)CCC=CCCCCCCCCCC=O	5369022
59	*9-Octadecenoic Acid, 1,2,3-Propanetriyl Ester, (E,E,E)-*	0.97	884	CCCCCCCCC=CCCCCCCCC(=O)OCC(COC(=O)CCCCCCCC=CCCCCCCCC)OC(=O)CCCCCCCC=CCCCCCCCC	5364673
60	*Cholest-5-En-3-Ol (3.Beta.)-*	1.51	386	CC(C)CCCC(C)C1CCC2C1(CCC3C2CC=C4C3(CCC(C4)O)C)C	5997

Lampiran 4. Nilai *binding affinity* senyawa rumput laut *Caulerpa racemosa*

	Senyawa	***Binding affinity***
1	*Methane, (Methylsulfinyl)(Methylthio)-*	-3,1
2	*2-Butanon, 3-Hydroxy*	-3,9
3	*2,2-Dimethoxybutane*	-3,8
4	*5-[(Propylsulfanyl)Methyl]-2,4-Imidazolidinedione #*	-5,1
5	*Hexanal*	-3,7
6	*(Z)-3-Chloropropenamide*	-3,4
7	*1,1-Diethoxy-2-Ethylhexane*	-4,9
8	*2-Decenal, (E)-*	-4,6
9	*Tetradecane*	-4,5
10	*1s-Neomenthyl Acetate*	-5,9
11	*Nonanoic Acid, 9-Oxo-, Methyl Ester*	-4,9
12	*3-Buten-2-One, 4-(2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-*	-6,3
13	*R-(+)-Methyl-3-Isopropyl-6-Oxoheptanoate*	-5,7
14	*4-(2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-2-Pentanone*	-5,5
15	*Phenol, 3,5-Bis(1,1-Dimethylethyl)-*	-6
16	*4-(2,2,6-Trimethyl-7-Oxa-Bicyclo[4.1.0]Hept-1-Yl)-But-3-En-2-One*	-5,9
17	*Phenol, 2,4-Bis(1,1-Dimethylethyl)-*	-6,1
18	*Dodecanoic Acid, Methyl Ester*	-5
19	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-4,4,7a-Trimethyl-*	-6,8
20	*1,8(2H,5H)-Naphthalenedione, Hexahydro-8a-Methyl-, Cis*	-6,2
21	*Octanoic Acid, 3-Pentadecyl Ester*	-5,7
22	*Hexadecane*	-4,5

23	*7-Hexadecenoic Acid, Methyl Ester, (Z)-*	-5,4
24	*Heneicosane*	-5,2
25	*4-(1,5-Dihydroxy-2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-3-Buten-2-One*	-6,4
26	*Tridecanol, 2-Ethyl-2-Methyl-*	-5,2
27	*As-Indacene, Dodecahydro-4-(1-Octylnonyl)-*	-7,2
28	*Heptadecane*	-4,9
29	*4-(4-Hydroxy-2,2,6-Trimethyl-7-Oxa-Bicyclo[4.1.0]Hept-1-Yl)-But-3-En-2-One*	-7
30	*Tetradecanoic Acid, Methyl Ester*	-5,3
31	*Hexadecane, 2,6,10,14-Tetramethyl-*	-5,6
32	*Hexadecane, 2-Methyl-*	-5
33	*Pentadecane, 8-Hexyl-*	-5,4
34	*Heptadecane, 2-Methyl-*	-5,1
35	*3-Methylheptadecane*	-5,1
36	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-6-Hydroxy-4,4,7a-Trimethyl-, (6s-Cis)-*	-7,2
37	*1-Octadecanethiol*	-4,7
38	*Octadecane*	-4,8
39	*Pentadecanoic Acid, Methyl Ester*	-5,2
40	*2,6,10-Trimethyl,14-Ethylene-14-Pentadecne*	-5,6
41	*2-Pentadecanone, 6,10,14-Trimethyl-*	-5,6
42	*1-Butyl 2-(8-Methylnonyl) Phthalate #*	-7
43	*9-Hexadecenoic Acid, Methyl Ester, (Z)-*	-5,4
44	*Hexadecanoic Acid, Methyl Ester*	-5,2
45	*3,7,11,15-Tetramethylhexadec-1-En-3-Ol*	-5,8
46	*2,3-Dimethyl-1-Undecen-3-Ol*	-4,8
47	*1,2-Benzenedicarboxylic Acid, Butyl 8-Methylnonyl Ester*	-6,9

48	*Hexadecanoic Acid, Ethyl Ester*	-5,4
49	*Cis-9-Hexadecenal*	-5
50	*Heneicosanoic Acid, Methyl Ester*	-5,7
51	*Methyl 2-Ethylhexyl Phthalate*	-6,9
52	*2-Norpinanol, 3,6,6-Trimethyl-*	-5,8
53	*8 9,12-Octadecadienoic Acid (Z,Z)-, Methyl Ester*	-5,9
54	*Palmitaldehyde, Diallyl Acetal*	-5,7
55	*Ethyl (9z,12z)-9,12-Octadecadienoate #*	-5,7
56	*10-Nonadecenoic Acid, Methyl Ester*	-5,6
57	*6,9,12-Octadecatrienoic Acid, Methyl Ester*	-5,9
58	*Linolensaeuremethylester*	-6,1
59	*9-Octadecynoic Acid, Methyl Ester*	-5,8
60	*4,8,12,16-Tetramethylheptadecan-4-Olide*	-6,3
61	*Methyl Eicosa-5,8,11,14,17-Pentaenoate*	-6,6
62	*7,9-Dimethyl-8-Nitrobicyclo[4.3.1]Decan-10-One*	-6,9
63	*1,2-Benzenedicarboxylic Acid, Ditridecyl Ester*	-6,8
64	*Docosanoic Acid, Methyl Ester*	-5,7
65	*1,2-Benzenedicarboxylic Acid*	-7,3
66	*Ethyl Docosanoate*	-5,6
67	*Tricosanoic Acid, Methyl Ester*	-6
68	*Dotriacontane*	-5,8
69	*Tetracosanoic Acid, Methyl Ester*	-5,8
70	*N-[1-(1-Adamantan-1-Yl-Propyl)-2,5-Dioxo-4-Trifluoromethyl-Imidazolidin-4-Yl]-4-Methoxy-Benzamide*	-3,7
71	*17-Pentatriacontene*	-5,9
72	*2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-Hexamethyl-, (All-E)-*	-7,4

73	*1,6,10-Dodecatrien-3-Ol, 3,7,11-Trimethyl-, [S-(Z)]-*	-6
74	*2H-1-Benzopyran-6-Ol, 3,4-Dihydro-2,8-Dimethyl-2-(4,8,12-Trimethyltridecyl)-, [2R-[2R@(4R@,8R@)]]-*	-7,6
75	*Hexatriacontane*	-5,8
76	*1-(4-Ethoxy-2-Hydroxyphenyl)-1-Octadecanone #*	-6,6
77	*.Beta.-Tocopherol*	-7,1
78	*Tetracontane*	-5,3
79	*Cholesta-4,6-Dien-3-Ol, Benzoate, (3.Beta.)-*	-4,8
80	*Stigmast-5-En-3-Ol, Oleate*	-4,3
81	*.Alpha.-Tocopherol-.Beta.-D-Mannoside*	-6,8
82	*Stigmasta-5,23-Dien-3-Ol, (3.Beta.)-*	-6,3
83	*Stigmast-5-En-3-Ol, (3.Beta.)-*	-3,3
84	*Lupeol*	4,4

Lampiran 5. Nilai *binding affinity* senyawa rumput laut *Sargassum polycystum*

	Senyawa	***Binding affinity***
1	*1,3,5-Triazine-2,4-Diamine, 6-Chloro-N-Ethyl-*	-6,0
2	*1,6-Octadien-3-Ol, 3,7-Dimethyl-*	-5,1
3	*1-Decanol*	-6,0
4	*Undecane*	-4,0
5	*N-Formylmorpholine*	-4,2
6	*1,3-Dioxane, 4,6-Dimethyl-*	-4,3
7	*Methenamine*	-4,5
8	*Azulene, 1,2,3,5,6,7,8,8a-Octahydro-1,4-Dimethyl-7-(1-Methylethenyl)-, [1S-(1.Alpha.,7.Al*	-6,3
9	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-6-Hydroxy-4,4,7a-Trimethyl*	-6,8
10	*2,6,10-Trimethyl,14-Ethylene-14-Pentadecne*	-5,6
11	*Hexadecanoic Acid, Methyl Ester*	-5,2
12	*Hexadecanoic Acid, Ethyl Ester*	-5,4
13	*9-Octadecenoic Acid (Z)-, Methyl Ester*	-5,8
14	*6,8-Dioxabicyclo(3.2.1)Octan-4.Beta.-Ol*	-4,9
15	*Octadecanoic Acid, Methyl Ester*	-5,5
16	*9,19-Cycloergost-24(28)-En-3-Ol, 4,14-Dimethyl-, Acetate, (3.Beta.,4.Alpha.,5.Alpha.)-*	-1,5
17	*Dotriacontane*	-5,8
18	*Heneicosane, 11-Cyclopentyl-*	-6,0
19	*1,2-Benzenedicarboxylic Acid*	-7,3
20	*Triacontane*	-5,7
21	*Tetrapentacontane*	-5,3
22	*1-Hentetracontanol*	-6,0

23	*Cyclohexane, Nonadecyl-*	-6,1
24	*Hexacontane*	-4,5
25	*Tetracontane*	-5,7
26	*Cholest-5-En-3-Ol (3.Beta.)-*	-7,0

Lampiran 6. Nilai *binding affinity* senyawa rumput laut *Halymenia durvillei*

	Senyawa	***Binding affinity***
1	*Benzene, Ethyl-*	-4,8
2	*Benzene, 1,2-Dimethyl-*	-4,6
3	*Benzene, Ethenyl-*	-4,8
4	*Ethanol, 2-Butoxy-*	-4,2
5	*2-Butoxyethyl Acetate*	-4,5
6	*1-Dodecanol*	-5,0
7	*1-Tetradecanol*	-4,8
8	*Tetradecane*	-4,5
9	*Dodecanal*	-4,4
10	*Tetradecanal*	-4,8
11	*1-Octadecene*	-5,0
12	*Hexadecane*	-4,5
13	*Heneicosane*	-5,2
14	*Octadecanal*	-4,9
15	*Phenol, 4-(2,2,3,3-Tetramethylbutyl)-*	-6,2
16	*Tetradecanoic Acid*	-5,2
17	*9-Octadecenal, (Z)-*	-5,3
18	*5-Octadecene, (E)-*	-5,2
19	*13-Methyl-13-Tetradecene-1,12-Diol*	-5,5
20	*Cis-1-Chloro-9-Octadecene*	-5.2
21	*15-Isopropenyloxacyclopentadecan-2-One*	-6,5
22	*2,6,10-Trimethyl,14-Ethylene-14-Pentadecne*	-5,6
23	*2-Pentadecanone, 6,10,14-Trimethyl-*	-5,6
24	*3,7,11,15-Tetramethyl-2-Hexadecen-1-Ol*	-6,3
25	*E,E,Z-1,3,12-Nonadecatriene-5,14-Diol*	-5,9
26	*1-Octadecanol*	-5,1
27	*1,2-Tetradecanediol*	-5,1

28	*Cis-9-Hexadecenal*	-5
29	*N-Hexadecanoicacid*	-5,4
30	*1-Nonadecene*	-4,9
31	*1H-3a,7-Methanoazulene, Octahydro-1,4,9,9-Tetramethyl-*	-6,4
32	*Naphthalene, Decahydro-1,8a-Dimethyl-7-(1-Methylethyl)-, [1R-(1.Alpha.,4a.Beta.,7.Beta.*	-6,2
33	*Z-2-Tridecen-1-Ol*	-5,2
34	*1-Hepten-1-Ol, Acetate*	-4,6
35	*Cyclopentadecanone, 2-Hydroxy-*	-6,4
36	*Heptadecanoic Acid*	-5,5
37	*5.Alpha.-Lanostane-7,11-Dione, 3.Beta.-Hydroxy-, Acetate*	-0,8
38	*Hexadecanal*	-4,8
39	*9-Octadecenoic Acid, (E)-*	-5,8
40	*9-Octadecenoic Acid (Z)-*	-5,8
41	*Hexadecanamide*	-5,6
42	*1-Tetracosanol*	-5,6
43	*Z-(13,14-Epoxy)Tetradec-11-En-1-Ol Acetate*	-5,6
44	*9-Octadecenamide, (Z)-*	-5,8
45	*1-Triacontanol*	-5,9
46	*1,2-Benzenedicarboxylic Acid*	-7,3
47	*2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-Hexamethyl-, (All-E)-*	-7,4
48	*5a,8a-Epidioxycholesta-6,9(11)-Dien-3b-Ol*	-2,1
49	*15-Methyl-Z-11-Hexadecenal*	-5,2
50	*9-Octadecenoic Acid, 1,2,3-Propanetriyl Ester, (E,E,E)-*	-6,8
51	*Cholest-5-En-3-Ol (3.Beta.)-*	-7,0