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LAMPIRAN

Lampiran 1. Senyawa Hasil GC-MS Ekstrak Alga Hijau (*Caulerpa racemosa*)

No.	Nama Senyawa	Area (%)
1.	*Methane*, (*methylsulfinyl*)(*methylthio*)	1.71
2.	*Silane, dimethoxymethyl*	0.62
3.	*2-butanon, 3-hydroxy-*	0.16
4.	*2,2-dimethoxybutane*	0.35
5.	*5-[(Propylsulfanyl)Methyl]-2,4-Imidazolidinedione*	0.02
6.	*Hexanal*	0.36
7.	*(Z)-3-Chloropropenamide*	0.16
8.	*3-Methoxy-1,1-Dimethylsilacyclopentane*	0.35
9.	*1,1-Diethoxy-2-Ethylhexane*	0.19
10.	*2-Decenal, (E)-*	0.09
11.	*Tetradecane*	0.21
12.	*1s-Neomenthyl Acetate*	0.01
13.	*Nonanoc Acid, 9-Oxo-, Methyl Ester*	0.08
14.	*3-Buten-2-One, 4-(2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-*	0.05
15.	*R-(+)-Methyl-3-Isopropyl-6-Oxoheptanoate*	0.58
16.	*4-(2,2,6-Trimethyl-2-Cyclohexen-1-Yl)-2-Pentanone*	0.24
17.	*Phenol, 3,5-Bis(1,1, -Dimethylethyl)*	0.17
18.	*4-(2,2,6-Trimethyl-7-Oxa-Bycclo[4.1.0]Hept-1-Yl)-But-3-En-2-One*	0.41
19.	*Phenol, 2,4-Bis(1,1-Dimethylethyl)-*	0.58
20.	*Dodecanoic Acid, Methyl Ester*	0.18
21.	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-4,4,7a-Trimethyl-*	0.40
22.	*1,8(2h,5h)-Naphthalenedione, Hexahydro-8a-Methyl-,Cis-*	0.52
23.	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-4,4,7a-Trimethyl-*	1.60
24.	*Octanoic Acid*, *3-pentadecyl ester*	0.29
25.	*Hexadecane*	0.39
26.	*7-Hexadecenoic Acid,Methyl Ester, (Z)-*	0.46
27.	*Heneicosane*	0.45
28.	*4-(1,5-Dihydroxy-2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-3-Buten-2-On*	0.37
29.	*Heneicosane*	0.21
30.	*Tridecanol, 2-Ethyl-2-Methyl-*	0.22
31.	*As-Indacene, Dodecahydro-4-(1-Octylnonyl)-*	0.59
32.	*Heptadecane*	0.70

33.	*4-(4-Hydroxy-2,2,6-Trimethyl-7-Oxa-Bicclo[4.1.0]Hept-1-Yl)-But-3-En*	0.79
34.	*Tetradecanoic Acid, Methyl Ester*	0.98
35.	*Hexadecane, 2,6,10,14-Tetramethyl-*	0.38
36.	*Hexadecane, 2-Methyl*	0.19
37.	*Pentadecane, 8-Hexyl-*	0.22
38.	*Heptadecane, 2-Methyl-*	0.22
39.	*3-Methylheptadecane*	0.45
40.	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-6-Hydroxy-4,4,7a-Trimethyl-, (6S-CIS)-*	0.44
41.	*1-Octadecanethiol*	0.29
42.	*Octadecane*	0.50
43.	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-6-Hydroxy-4,4,7a-Trimethyl-, (6S-CIS)-*	1.35
44.	*Pentadecanoic Acid, Methyl Ester*	1.02
45.	*2,6,10-Trimethyl, 14-Ethylene-14-Pentadecne*	2.69
46.	*2-Pentadecanone, 6,10,14-Trimethyl-*	1.87
47.	*2,6,10-Trimethyl, 14-Ethylene-14-Pentadecne*	1.46
48.	*1-Butyl 2-(8-Methylnonyl) Phthalate*	0.30
49.	*2,6,10-Trimethyl, 14-Ethylene-14-Pentadecne*	1.93
50.	*9-Hexadecenoic Acid, Methyl Ester (Z)-*	1.97
51.	*Hexadecanoic Acid, Methyl Ester*	9.38
52.	*3,7,11,15-Tetramethylhexadec-1-En-3-Ol*	0.03
53.	*2,3-Dimethyl-1-Undecen-3-Ol*	0.07
54.	*1,2-Benzenedicarboxylic acid, butyl 8-methylnonyl ester*	0.08
55.	*Hexadecanoic Acid, Ethyl Ester*	1.29
56.	*Cis-9-Hexadecenal*	0.65
57.	*Heneicosanoic Acid, Methyl Ester*	0.82
58.	*Methyl 2-Ethylhexyl Phthalate*	0.45
59.	*2-Norpinanol, 3,6,6-Trimethyl-*	0.52
60.	*9,12-Octadecadienoic Acid (Z,Z)-, Methyl Ester*	21.31
61.	*Palmitaldehyde, Diallyl Acetal*	1.45
62.	*Ethyl (9z,12a)-9,12-Octadecadienoate (Ethyl Linoleat)*	4.55
63.	*10-Nonadecenoic Acid, Methyl Ester*	0.68
64.	*6,9,12-Octadecatrienoic Acid, Methyl Ester*	3.29
65.	*Methyl 9,12,15-Octadecatrienoate Atau Linolensaueuremethylester*	3.57
66.	*9-Octadecynoic Acid, Methyl Ester*	3.61
67.	*4,8,12,16-Tetramethylheptadecan-4-Olide*	2.08
68.	*Methyl Eicosa-5,8,11,14,17-Pentaenoate*	3.59
69.	*7,9-Dimethyl-8-Nitrobicyclo[4.3.1]Decan-10-One*	0.68
70.	*1,2-Benzenedicarboxylic Acid, Ditridecyl Ester*	0.38
71.	*Docosanoic Acid, Methyl Ester*	0.72

72.	*1,2-Benzenedicarboxylic Acid*	6.83
73.	*Ethyl Docosanoate*	0.03
74.	*Tricosanoic Acid, Methyl Ester*	0.06
75.	*Dotricontane*	0.08
76.	*Tetracosanoic Acid, Methyl Ester*	0.18
77.	*N-[1-(1-Adamantan-1-Yl-Propyl)-2,5-Dioxo-4-Trifluoromethyl-Imidazolidin -4-Yl]4-Methoxy-Benzamide*	0.04
78.	*17-Pentatriacontene*	0.05
79.	*2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-Hexamethyl-, (All-E)-*	0.18
80.	*1,6,10-Dodecatrien-3-Ol, 3,7,11-Trimethyl-, [S-(Z)]-*	0,03
81.	*2h-1-Benzopyran-6-Ol, 3,4-Dihydro-2,8-Dimethyl-2-(4,8,12-Trimethyltridecyl)-, [2r-[2r@(4r@,8r@)]]*	0.57
82.	*2h-1-Benzopyran-6-Ol, 3,4-Dihydro-2,8-Dimethyl-2-(4,8,12-Trimethyltridecyl)-, [2r-[2r@(4r@,8r@)]]*	0.76
83.	*Hexatriacontane*	0.16
84.	*1-(4-Ethoxy-2-Hydroxyphenyl)-1-Octadecanone*	0.06
85.	*.Beta.-Tocopherol*	0.15
86.	*Tetracontane*	0.08
87.	*Cholesta-4,6-Dien-4-Ol, Benzoate, (3.Beta.)-*	0.07
88.	*Stigmast-5-En-3-Ol, Oleate*	0.10
89.	*.Alpha.-Tocopherol-.Beta.-D-Mannoside*	0.12
90.	*Stigmasta-5,23-Dien-3-Ol, (3.Beta.)-*	0.31
91.	*Stigmasta-5-En-3-Ol, (3.Beta.)-*	0.61
92.	*Lupeol*	0.15

Lampiran 2. Hasil Analisis 83 Senyawa dari Ekstrasi Etanol 96% Alga Hijau (*Caulerpa racemosa*) Terhadap Protein Target SARS-CoV-2 dengan Metode *Insilico*

No.	Senyawa	Binding Affinity (kcal/mol)
1.	*METHANE, (methylsulfinyl)(metylthio)*	-3.4
2.	*2-butanon, 3-hydroxy-*	-4.0
3.	*2,2-dimethoxybutane*	-3.6
4.	*5-[(Propylsulfanyl)Methyl]-2,4-Imidazolidinedione*	-5.1
5.	*Hexanal*	-3.3
6.	*(Z)-3-Chloropropenamide*	-3.5
7.	*1,1-Diethoxy-2-Ethylhexane*	-4.1
8.	*2-Decenal, (E)-*	-4.0
9.	*Tetradecane*	-3.9
10.	*1s-Neomenthyl Acetate*	-4.8
11.	*Nonanoc Acid, 9-Oxo-, Methyl Ester*	-4.3
12.	*3-Buten-2-One, 4-(2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-*	-5.1
13.	*R-(+)-Methyl-3-Isopropyl-6-Oxoheptanoate*	-4.6
14.	*4-(2,2,6-Trimethyl-2-Cyclohexen-1-Yl)-2-Pentanone*	-4.5
15.	*Phenol, 3,5-Bis(1,1, -Dimethylethyl)*	-5.8
16.	*4-(2,2,6-Trimethyl-7-Oxa-Bycclo[4.1.0]Hept-1-Yl)-But-3-En-2-One*	-5.1
17.	*Phenol, 2,4-Bis(1,1-Dimethylethyl)-*	-5.4
18.	*Dodecanoic Acid, Methyl Ester*	-4.3

19.	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-4.4.7a-Trimethyl-*	-5.1
20.	*1,8(2h,5h)-Naphthalenedione, Hexahydro-8a-Methyl-,Cis-*	-4.9
21.	*Octanoic Acid, 3-Pentadecyl Ester*	-4.6
22.	*Hexadecane*	-3.9
23.	*7-Hexadecenoic Acid,Methyl Ester, (Z)-*	-4.3
24.	*Heneicosane*	-4.1
25.	*4-(1,5-Dihydroxy-2,6,6-Trimethyl-2-Cyclohexen-1-Yl)-3-Buten-2-On*	-5.6
26.	*Tridecanol, 2-Ethyl-2-Methyl-*	-4.7
27.	*As-Indacene, Dodecahydro-4-(1-Octylnonyl)-*	-5.6
28.	*Heptadecane*	-4.3
29.	*4-(4-Hydroxy-2,2,6-Trimethyl-7-Oxa-Bicclo[4.1.0]Hept-1-Yl)-But-3-En*	-5.5
30.	*Tetradecanoic Acid, Methyl Ester*	-4.3
31.	*Hexadecane, 2,6,10,14-Tetramethyl-*	-4.8
32.	*Hexadecane, 2-Methyl*	-4.4
33.	*Pentadecane, 8-Hexyl-*	-4.6
34.	*Heptadecane, 2-Methyl-*	-4.2
35.	*3-Methylheptadecane*	-4.1
36.	*2(4h)-Benzofuranone, 5,6,7,7a-Tetrahydro-6-Hydroxy-4,4,7a-Trimethyl-*	-5.5
37.	*1-Octadecanethiol*	-4.3
38.	*Octadecane*	-4.1
39.	*Pentadecanoic Acid, Methyl Ester*	-4.1

40.	*2,6,10-Trimethyl, 14-Ethylene-14-Pentadecne*	-4.4
41.	*2-Pentadecanone, 6,10,14-Trimethyl-*	-4.4
42.	*1-Butyl 2-(8-Methylnonyl) Phthalate*	-4.9
43.	*9-Hexadecenoic Acid, Methyl Ester (Z)-*	-4.1
44.	*Hexadecanoic Acid, Methyl Ester*	-4.4
45.	*3,7,11,15-Tetramethylhexadec-1-En-3-Ol*	-4.7
46.	*2,3-Dimethyl-1-Undecen-3-Ol*	-4.3
47.	*Hexadecanoic Acid, Ethyl Ester*	-4.6
48.	*Cis-9-Hexadecenal*	-4.3
49.	*Heneicosanoic Acid, Methyl Ester*	-4.5
50.	*Methyl 2-Ethylhexyl Phthalate*	-5.7
51.	*2-Norpinanol, 3,6,6-Trimethyl-*	-4.8
52.	*9,12-Octadecadienoic Acid (Z,Z)-, Methyl Ester*	-4.9
53.	*Palmitaldehyde, Diallyl Acetal*	-4.6
54.	*Ethyl (9z,12a)-9,12-Octadecadienoate (Ethyl Linoleat)*	-4.5
55.	*10-Nonadecenoic Acid, Methyl Ester*	-4.5
56.	*6,9,12-Octadecatrienoic Acid, Methyl Ester*	-5.0
57.	*Methyl 9,12,15-Octadecatrienoate Atau Linolensaueuremethylester*	-4.4
58.	*9-Octadecynoic Acid, Methyl Ester*	-4.7
59.	*4,8,12,16-Tetramethylheptadecan-4-Olide*	-5.6
60.	*Methyl Eicosa-5,8,11,14,17-Pentaenoate*	-5.2
61.	*7,9-Dimethyl-8-Nitrobicyclo[4.3.1]Decan-10-One*	-5.7
62.	*1,2-Benzenedicarboxylic Acid, Ditridecyl Ester*	-4.3

63.	*Docosanoic Acid, Methyl Ester*	-4.3
64.	*1,2-Benzenedicarboxylic Acid*	-5.0
65.	*Ethyl Docosanoate*	-4.2
66.	*Tricosanoic Acid, Methyl Ester*	-4.6
67.	*Dotricontane*	-4.2
68.	*Tetracosanoic Acid, Methyl Ester*	-4.2
69.	*N-[1-(1-Adamantan-1-Yl-Propyl)-2,5-Dioxo-4-Trifluoromethyl-Imidazolidin -4-Yl]4-Methoxy-Benzamide*	-8.1
70.	*17-Pentatriacontene*	-4.4
71.	*2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-Hexamethyl-, (All-E)-*	-5.4
72.	*1,6,10-Dodecatrien-3-Ol, 3,7,11-Trimethyl-, [S-(Z)]-*	-5.2
73.	*2h-1-Benzopyran-6-Ol, 3,4-Dihydro-2,8-Dimethyl-2-(4,8,12-Trimethyltridecyl)-, [2r-[2r@(4r@,8r@)]]*	-6.3
74.	*Hexatriacontane*	-3.7
75.	*1-(4-Ethoxy-2-Hydroxyphenyl)-1-Octadecanone*	-5.7
76.	*.Beta.-Tocopherol*	-6.1
77.	*Tetracontane*	-3.8
78.	*Cholesta-4,6-Dien-4-Ol, Benzoate, (3.Beta.)-*	-7.7
79.	*Stigmast-5-En-3-Ol, Oleate*	-5.9
80.	*.Alpha.-Tocopherol-.Beta.-D-Mannoside*	-6.7
81.	*Stigmasta-5,23-Dien-3-Ol, (3.Beta.)-*	-6.8
82.	*Stigmasta-5-En-3-Ol, (3.Beta.)-*	-6.8
83.	*Lupeol*	-7.2
84.	*Remdesivir*	-8.1