

LAMPIRAN

Lampiran 1. Data Hasil Uji Aktivitas Antioksidan Pemerangkap DPPH pada Ekstrak Etanol Daun Sirih

Tabel Absorbansi aktivitas antioksidan pemerangkap DPPH pada ekstrak etanol daun sirih dan EGCG

Agen Antioksidan	Konsentrasi	Absorbansi 15 menit			Rata-rata
		Ulangan 1	Ulangan 2	Ulangan 3	
P betle extract 1	100	0.04	0.041	0.039	0.04
P betle extract 2	50	0.047	0.043	0.044	0.044
P betle extract 3	25	0.048	0.05	0.055	0.051
P betle extract 4	12.5	0.064	0.067	0.07	0.067
P betle extract 5	6.25	0.139	0.14	0.163	0.147
P betle extract 6	3.125	0.223	0.186	0.162	0.190
P betle extract 7	1.563	0.264	0.244	0.256	0.254
P betle extract 8	0.781	0.282	0.286	0.286	0.284
P betle extract 9	0.391	0.291	0.301	0.294	0.295
P betle extract 10	0.195	0.307	0.306	0.31	0.307
EGCG 1	100	0.050	0.056	0.054	0.053
EGCG 2	50	0.051	0.054	0.061	0.055
EGCG 3	25	0.057	0.055	0.053	0.055
EGCG 4	12.5	0.059	0.063	0.067	0.063
EGCG 5	6.25	0.057	0.058	0.061	0.059
EGCG 6	3.125	0.062	0.070	0.067	0.066
EGCG 7	1.563	0.136	0.118	0.106	0.120
EGCG 8	0.781	0.257	0.258	0.266	0.260
EGCG 9	0.391	0.347	0.345	0.350	0.347
EGCG 10	0.195	0.382	0.385	0.377	0.381

Tabel Aktivitas Antioksidan Pemerangkap DPPH (%) pada Ekstrak Etanol Daun Sirih dan EGCG

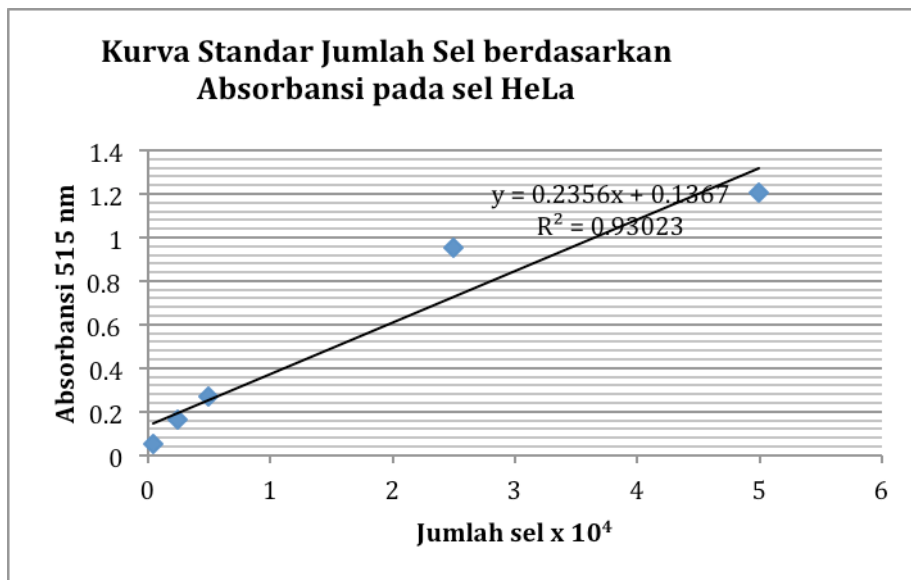
Agen Antioksidan	Konsentrasi	% DPPH			Rata-rata
		Ulangan 1	Ulangan 2	Ulangan 3	
P betle extract 1	100	89.091	88.818	89.364	89.091
P betle extract 2	50	87.182	88.273	88.000	87.818
P betle extract 3	25	86.909	86.364	85.000	86.091
P betle extract 4	12.5	82.545	81.727	80.909	81.727
P betle extract 5	6.25	62.091	61.818	55.545	59.818
P betle extract 6	3.125	39.182	49.273	55.818	48.091
P betle extract 7	1.563	28.000	33.455	30.182	30.546
P betle extract 8	0.781	23.091	22.000	22.000	22.364
P betle extract 9	0.391	20.636	17.909	19.818	19.455
P betle extract 10	0.195	16.273	16.546	15.455	16.091

EGCG 1	100	92.172	91.239	91.550	91.654
EGCG 2	50	92.017	91.550	90.461	91.343
EGCG 3	25	91.083	91.395	91.706	91.395
EGCG 4	12.5	90.772	90.150	89.528	90.150
EGCG 5	6.25	91.083	90.928	90.461	90.824
EGCG 6	3.125	90.306	89.062	89.528	89.632
EGCG 7	1.563	78.797	81.597	83.463	81.286
EGCG 8	0.781	59.979	59.824	58.580	59.461
EGCG 9	0.391	45.982	46.293	45.516	45.931
EGCG 10	0.195	40.539	40.073	41.317	40.643

Lampiran 2. Data Uji Sitotoksitas Ekstrak Etanol Daun Sirih terhadap Kultur Sel HeLa

Tabel Absorbansi Standar Kultur Sel HeLa

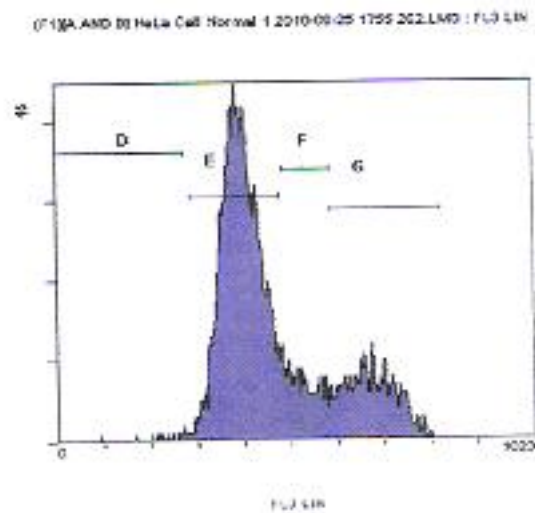
Jumlah sel	Absorbansi	Rata-rata	Absorbansi-Blanko
Blanko	0.19	0.196	
	0.201		
5x10 ⁴	1.422	1.399	1.203
	1.378		
2,5x10 ⁴	1.135	1.147	0.951
	1.159		
0,5x10 ⁴	0.471	0.466	0.27
	0.461		
0,25x10 ⁴	0.378	0.3605	0.1645
	0.343		
0,05x10 ⁴	0.29	0.2465	0.0505
	0.203		



Tabel Absorbansi Ekstrak Daun Sirih pada Sel Hela

Jumlah sel	Absorbansi	Sampel-Blanko	Jumlah sel x100	% sel hidup
Blank	0.19			
	0.165			
	0.178			
Kontrol	1.311	1.121	4.177	100
	1.223	1.058	3.910	100
	1.223	1.045	3.855	100
EDS 1000 µg/mL	0.647	0.457	1.359	32.540
	0.63	0.465	1.393	35.634
	0.833	0.655	2.199	57.062
EDS 500 µg/mL	0.659	0.469	1.410	33.760
	0.994	0.829	2.938	75.143
	0.817	0.639	2.132	55.301
EDS 250 µg/mL	1.259	1.069	3.957	94.717
	1.234	1.069	3.957	101.193
	1.022	0.844	3.002	77.870
EDS 125 µg/mL	1.216	1.026	3.774	90.348
	1.268	1.103	4.101	104.884
	1.228	1.05	3.876	100.550

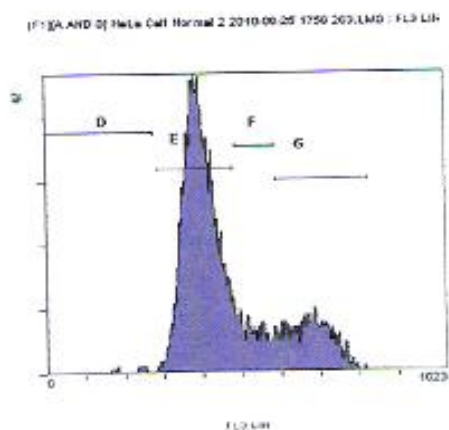
Lampiran 3. Data Uji Apoptosis Ekstrak Etanol Daun Sirih Normal (I)



normal

Region	Number	% Gated	X-Mean	HP X-CV
D	249	3.31	187.3	0.3
E	4644	61.71	393.8	5.6
F	909	12.08	532.2	0.6
G	1628	21.63	679.7	0.6

Normal (II)

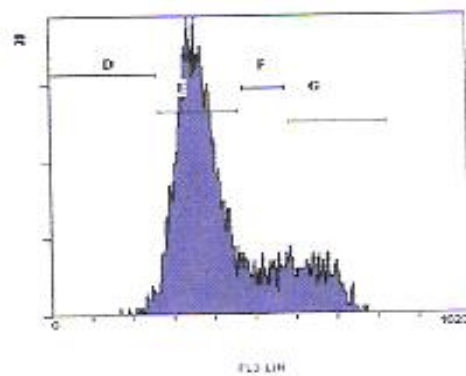


normal

Region	Number	% Gated	X-Mean	HP X-CV
D	236	3.15	186.2	0.3
E	4804	64.05	392.1	6.0
F	843	11.24	532.1	0.2
G	1548	20.64	679.9	0.1

Ekstrak Etanol Daun Sirih 100 µg/mL (I)

CP13A AND D1 HeLa cells 2 sub: 1 2010-07-02 1050 207 LMD - FL3 LIN

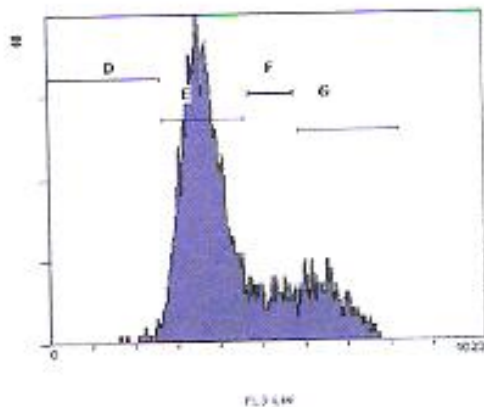


Setori 100 µg

Region	Number	% Gated	X-Mean	HP	X-CV
D	300	4.34	203.9		0.5
E	4454	64.46	359.6		2.2
F	770	11.14	522.9		0.2
G	1150	16.64	664.3		0.1

Ekstrak Etanol Daun Sirih 100 µg/mL (II)

CP13A AND D1 HeLa cells 2 sub: 2 2010-07-02 1700 200 LMD - FL3 LIN

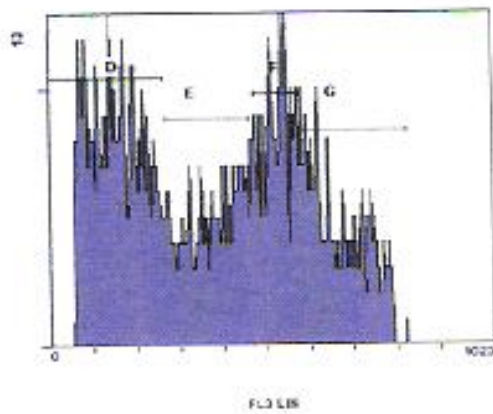


Setori 100 µg

Region	Number	% Gated	X-Mean	HP	X-CV
D	287	4.12	200.6		0.3
E	4440	63.81	361		5.7
F	774	11.12	522.7		0.1
G	1254	18.02	664.8		0.3

Doxorubisin (I)

[F1] [A AND 0] HeLa cells Doxo 1 2010-07-02 1049 201 LMD : FL3 LIN

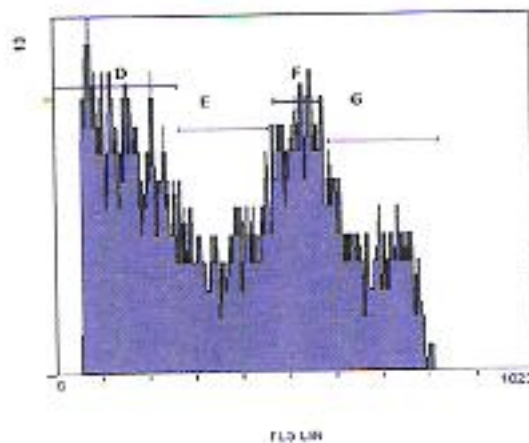


DOX

Region	Number	% Gated	X-Mean	HP X-CV
D	2055	34.59	154.1	0.8
E	1260	21.21	369.7	0.1
F	1060	17.84	524.4	0.3
G	1315	22.13	681.1	0.4

Doxorubisin (II)

[F1] [A AND 0] HeLa cells Doxo 2 2010-07-02 1051 202 LMD : FL3 LIN



DOX

Region	Number	% Gated	X-Mean	HP X-CV
D	2043	35.18	151.1	0.7
E	1206	20.77	366.9	0.1
F	1062	18.29	524.2	0.1
G	1269	21.85	684	0.2

Tabel Hasil uji induksi apoptosis sel HeLa dibandingkan dengan doxorubisin

Induksi apoptosis (%)	normal	doksorubisin	ekstrak etanol
Pengulangan I	3,31	35,18	4,34
Pengulangan II	3,15	34,59	4,12
Rerata	3,23	34,88	4,23

Riwayat Hidup

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