

Appendix

Appendix 1 : Brine shrimp lethality bioassay on various crude extracts of *Diospyros graciliflora* stem

Sample concentration/ppm	Extracts																	
	Petroleum ether									Chloroform								
	Replicate									Replicate								
	I			II			III			I			II			III		
	S	L	C	S	L	C	S	L	C	S	L	C	S	L	C	S	L	C
10	10	0	10	0	10	0	10	0	10	0	10	0	9	1	9	1	10	0
100	8	2	10	0	9	1	10	0	10	0	8	2	6	4	10	0	8	2
1 000	1	9	1	9	1	9	10	0	10	0	8	2	6	4	10	0	8	2

Key:

S = survive,

L = lethal,

C = control.

Note :

LC₅₀ value for Petroleum Ether extract = 301.7 ppm

LC₅₀ value for Chloroform extract = 5 942.3 ppm

LC₅₀ value for Methanol extract = 10 104. 5 ppm

Appendix 2 : Brine shrimp lethality bioassay on various crude extracts of *Diospyros graciliflora* stem bark

Sample concentration/ppm	Extracts																									
	Petroleum ether												Chloroform												Methanol	
	Replicate												Replicate												Replicate	
	I			II			III			C			I			II			III							
	S	L	0	S	L	0	S	L	0	S	L	0	S	L	0	S	L	0	S	L	0	S	L	0		
10	10	0	10	0	10	0	10	0	10	0	10	0	10	0	10	0	10	0	10	0	10	0	10	0		
100	10	0	10	0	10	0	10	0	10	0	10	0	9	1	10	0	10	0	10	0	10	0	10	0		
1 000	9	1	6	4	8	2	10	0	8	2	10	0														

Key: S = survive, L = lethal, C = control.

Note :
 LC₅₀ value for Petroleum Ether extract = 5 413.7 ppm
 LC₅₀ value for Chloroform extract = 7 957.3 ppm
 LC₅₀ value for Methanol extract = 3 877.0 ppm

Appendix 3 : Brine shrimp lethality bioassay on various crude extracts of *Diospyros discolor* stem

Sample concentration/ppm	Extracts																	
	Petroleum ether									Chloroform								
	Replicate									Replicate								
	I	II	III	C	S	L	S	L	C	I	II	III	C	S	L	S	L	C
	S	L	S	L	S	L	S	L	S	L	S	L	S	L	S	L	S	L
10	10	0	10	0	10	0	10	0	10	0	8	2	10	0	10	0	9	1
100	9	1	6	6	3	7	10	0	10	0	10	0	10	0	10	0	8	2
1 000	0	10	0	10	0	10	0	8	2	7	3	7	3	10	0	8	2	10

Key :

S = survive,

L = lethal,

C = control.

Note :

LC₅₀ value for Petroleum Ether extract = 122.4 ppm

LC₅₀ value for Chloroform extract = 26 338.4 ppm

LC₅₀ value for Methanol extract = 56 462.4 ppm

Appendix 4 : Brine shrimp lethality bioassay on various crude extracts of *Diospyros discolor* stem bark

Sample concentration/ppm	Extracts																			
	Petroleum ether										Chloroform									
	Replicate										Replicate									
	I	II	III	C	S	L	S	L	S	L	I	II	III	C	S	L	S	L	I	II
	S	L	S	L	S	L	S	L	S	L	S	L	S	L	S	L	S	L	S	L
10	9	1	9	1	10	0	10	0	10	0	10	0	10	0	10	0	10	0	10	0
100	10	0	9	1	10	0	10	0	10	0	10	0	9	1	10	0	10	0	10	0
1 000	0	10	0	10	0	10	0	6	4	5	5	8	2	10	0	9	1	6	4	8

Key :

S = survive,

L = lethal,

C = control.

Note :

LC₅₀ value for Petroleum Ether extract = 146.7 ppm

LC₅₀ value for Chloroform extract = 4 555.7 ppm

LC₅₀ value for Methanol extract = 5 413.7 ppm

Appendix 5 : Brine shrimp lethality bioassay on various crude extracts of *Diospyros lanceifolia* stem

Sample concentration/ppm	Extracts																	
	Petroleum ether									Chloroform								
	Replicate									Replicate								
	I			II			III			I			II			III		
	S	L	C	S	L	C	S	L	C	S	L	C	S	L	C	S	L	C
10	10	0		10	0		10	0		10	0		10	0		10	0	
100	8	2		9	1		8	2		10	0		10	0		10	0	
1 000	0	10		0	10		0	10		7	3		8	2		10	0	

Key :

S = survive,

L = lethal,

C = control.

Note :

LC₅₀ value for Petroleum Ether extract = 196.5 ppm

LC₅₀ value for Chloroform extract = 5 396.3 ppm

LC₅₀ value for Methanol extract = 661 705.1 ppm

Appendix 6 : Anti-tumour Promoter and Cytotoxicity Assay of Crude PE Extract of *Diospyros graciliflora* stem

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	69	26	27.1 ± 0.8	0.0 ± 0.0	0.0 ± 2.7
0.02	60	21	25.9 ± 0.6	5.0 ± 0.3	19.3 ± 1.0
10	64	22	25.3 ± 0.9	6.5 ± 0.7	27.3 ± 0.8
20	68	23	25.0 ± 0.6	7.6 ± 0.4	30.6 ± 0.6
40	62	20	24.6 ± 0.8	9.3 ± 0.3	40.2 ± 0.7
80	56	18	24.4 ± 0.7	10.0 ± 0.1	47.8 ± 0.6
160	58	19	24.3 ± 0.7	10.2 ± 0.1	49.9 ± 2.3

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 7 : Anti-tumour Promoter and Cytotoxicity Assay of Crude PE Extract of *Diospyros discolor* stem

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	41	16	0.0 ± 0.0	0.0 ± 0.4	0.0 ± 2.7
0.02	44	10	36.3 ± 0.9	0.1 ± 0.4	19.3 ± 1.0
10	41	8	41.4 ± 3.2	$* 2.5 \pm 0.3$	27.3 ± 0.8
20	52	8	55.5 ± 0.5	3.4 ± 0.4	30.6 ± 0.6
40	51	7	57.3 ± 0.8	4.8 ± 0.6	40.2 ± 0.7
80	54	7	61.9 ± 3.2	5.9 ± 4.0	47.8 ± 0.6
160	50	5	70.2 ± 2.5	7.3 ± 0.5	49.9 ± 2.3

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 8 : Anti-tumour Promoter and Cytotoxicity Assay of Crude PE Extract of *Diospyros discolor* stem bark

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	51	20	27.8 ± 0.8	0.0 ± 0.0	0.0 ± 0.5
0.02	43	15	25.8 ± 0.8	6.9 ± 0.2	26.9 ± 2.8
10	50	17	25.4 ± 0.9	$* 8.2 \pm 0.8$	30.0 ± 3.5
20	50	17	25.1 ± 1.1	9.3 ± 1.5	36.6 ± 0.1
40	38	13	25.0 ± 1.0	9.7 ± 1.2	40.0 ± 7.3
80	42	14	24.9 ± 1.0	10.2 ± 1.0	47.3 ± 0.1
160	45	15	24.7 ± 1.0	10.9 ± 1.0	48.0 ± 0.2

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 9 : Anti-tumour Promoter and Cytotoxicity Assay of Crude PE Extract of *Diospyros lanceifolia* stem

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	62	33	26.8 ± 0.2	0.0 ± 0.0	0.0 ± 0.1
0.02	71	26	26.8 ± 0.2	0.0 ± 0.0	28.4 ± 6.3
10	68	25	26.6 ± 0.3	0.8 ± 0.1	35.5 ± 2.1
20	66	24	26.4 ± 0.2	1.3 ± 0.2	41.6 ± 3.4
40	58	21	26.3 ± 0.3	2.1 ± 0.2	43.0 ± 1.7
80	61	22	26.2 ± 0.2	2.3 ± 0.1	46.7 ± 0.8
160	61	22	26.6 ± 0.3	2.6 ± 0.0	47.3 ± 2.8

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 10 : Anti-tumour Promoter and Cytotoxicity Assay of lupeol (Dd P2)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	81	28	25.6 ± 1.4	0.0 ± 0.0	0.0 ± 0.4
0.02	44	3	5.4 ± 0.9	78.8 ± 4.3	0.5 ± 0.4
10	45	2	3.2 ± 0.1	$* 87.5 \pm 0.9$	6.7 ± 0.5
20	51	0	0.0 ± 0.0	100.0 ± 0.0	13.0 ± 0.4
40	49	0	0.0 ± 0.0	100.0 ± 0.0	17.8 ± 0.5
80	57	0	0.0 ± 0.0	100.0 ± 0.0	19.1 ± 1.9
160	51	0	0.0 ± 0.0	100.0 ± 0.0	29.9 ± 2.3

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 11 : Anti-tumour Promoter and Cytotoxicity Assay of betulin (Dd P3)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	44	16	26.7 ± 1.7	0.0 ± 0.0	0.0 ± 0.5
0.02	30	11	26.1 ± 1.8	2.1 ± 0.7	15.1 ± 1.2
10	37	13	26.0 ± 1.7	2.7 ± 0.2	16.8 ± 0.8
20	46	16	26.8 ± 1.6	3.2 ± 0.0	29.3 ± 0.6
40	38	13	25.5 ± 1.7	4.5 ± 0.3	33.1 ± 1.4
80	45	15	24.7 ± 1.4	7.3 ± 0.5	34.1 ± 0.8
160	34	11	24.6 ± 1.5	7.9 ± 0.3	35.5 ± 2.3

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 12 : Anti-tumour Promoter and Cytotoxicity Assay of betulinic acid (Dd P6)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	62	23	27.3 ± 0.7	0.0 ± 0.0	0.0 ± 2.8
0.02	60	22	26.9 ± 0.6	1.5 ± 1.4	30.7 ± 0.2
10	52	19	26.9 ± 0.6	1.6 ± 0.5	36.9 ± 0.8
20	55	20	26.4 ± 0.3	3.3 ± 1.4	38.8 ± 1.0
40	60	21	26.1 ± 0.6	4.4 ± 0.6	47.1 ± 0.5
80	59	20	25.6 ± 0.6	6.2 ± 0.3	47.8 ± 1.5
160	55	19	25.5 ± 0.6	6.8 ± 0.8	48.0 ± 1.3

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 13 : Anti-tumour Promoter and Cytotoxicity Assay of Crude PE Extract of *Euphorbia hirta* and Lupeol (Dd P2)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	49	20	28.6 ± 0.3	0.0 ± 0.0	0.0 ± 1.1
0.02	51	3	5.6 ± 0.6	80.6 ± 1.7	1.7 ± 1.7
10	62	4	5.3 ± 0.5	81.5 ± 1.6	2.4 ± 2.2
20	64	3	3.7 ± 0.4	87.1 ± 1.3	2.5 ± 1.0
40	62	2	2.4 ± 0.6	91.8 ± 1.9	3.6 ± 0.6
80	63	2	2.3 ± 0.6	92.2 ± 1.9	3.7 ± 3.1
160	68	2	2.1 ± 0.5	92.7 ± 1.7	3.9 ± 0.8

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 14 : Anti-tumour Promoter and Cytotoxicity Assay of Crude PE Extract of *Euphorbia hirta* and betulin (Dd P3)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	65	26	28.6 ± 0.2	0.0 ± 0.0	0.0 ± 1.1
0.02	63	24	27.6 ± 0.2	3.3 ± 0.2	40.6 ± 0.8
10	63	24	27.4 ± 0.4	4.2 ± 0.7	41.7 ± 2.4
20	65	25	27.3 ± 0.3	4.4 ± 0.6	42.3 ± 1.6
40	63	24	27.2 ± 0.3	4.9 ± 0.4	44.8 ± 1.6
80	60	22	27.0 ± 0.3	5.5 ± 0.6	47.1 ± 0.3
160	63	23	26.9 ± 0.4	6.0 ± 0.8	47.6 ± 0.8

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 15 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Euphorbia hirta* and betulinic acid (Dd P6)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	52	21	28.6 ± 1.6	0.0 ± 0.0	0.0 ± 0.9
0.02	43	17	27.9 ± 1.6	2.3 ± 0.3	35.5 ± 1.0
10	48	18	27.5 ± 1.9	3.8 ± 1.1	39.7 ± 2.2
20	39	15	27.4 ± 1.8	4.1 ± 1.1	43.7 ± 1.0
40	46	17	27.1 ± 1.7	5.1 ± 0.8	46.1 ± 1.9
80	53	20	27.1 ± 1.8	5.3 ± 1.0	46.7 ± 1.6
160	42	16	26.8 ± 1.8	6.2 ± 1.2	48.2 ± 3.5

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 16 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Euphorbia tirucalli* and lupeol (Dd P2)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	65	26	28.3 ± 0.3	0.0 ± 0.0	0.0 ± 0.6
0.02	57	5	8.1 ± 0.1	71.4 ± 0.7	3.5 ± 0.8
10	56	4	6.6 ± 0.6	76.7 ± 1.9	3.9 ± 0.9
20	57	4	5.8 ± 0.2	79.5 ± 0.5	4.0 ± 0.4
40	67	4	5.6 ± 0.6	80.2 ± 1.2	4.1 ± 0.8
80	66	4	5.0 ± 0.1	82.4 ± 0.2	4.4 ± 0.3
160	67	3	4.2 ± 0.6	86.6 ± 0.6	4.5 ± 0.8

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 17 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Euphorbia tirucalli* and betulin (Dd P3)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	55	18	24.9 ± 0.2	0.0 ± 0.0	0.0 ± 0.4
0.02	51	17	24.5 ± 0.3	1.6 ± 0.4	32.2 ± 0.4
10	59	19	24.1 ± 0.4	3.2 ± 0.8	34.9 ± 0.2
20	46	15	24.0 ± 0.3	3.6 ± 0.4	40.2 ± 0.8
40	58	18	23.7 ± 0.3	4.7 ± 0.7	40.8 ± 0.4
80	53	16	23.4 ± 0.2	6.1 ± 0.1	42.2 ± 0.3
160	58	18	23.2 ± 0.2	6.7 ± 0.3	48.2 ± 0.4

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 18 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Euphorbia tirucalli* and betulinic acid (Dd Pg)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	58	22	27.5 ± 0.3	0.0 ± 0.0	0.0 ± 0.2
0.02	60	22	26.4 ± 0.3	2.3 ± 0.3	39.0 ± 0.5
10	63	22	26.0 ± 0.3	4.0 ± 0.0	40.7 ± 0.4
20	64	23	26.0 ± 0.3	5.3 ± 0.2	42.2 ± 0.2
40	68	24	25.8 ± 0.5	6.2 ± 0.8	44.4 ± 0.3
80	64	22	25.5 ± 0.5	7.1 ± 1.0	47.3 ± 0.1
160	58	20	25.5 ± 0.5	7.1 ± 1.0	48.3 ± 0.1

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 19 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Euphorbia splendens* and lupeol (Dd P2)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	71	28	28.3 ± 0.2	0.0 ± 0.0	0.0 ± 2.0
0.02	60	4	6.2 ± 0.3	78.1 ± 1.0	1.0 ± 0.7
10	73	5	5.9 ± 0.3	79.3 ± 0.8	1.5 ± 0.1
20	58	3	5.0 ± 0.3	82.3 ± 1.2	2.5 ± 0.1
40	61	3	4.8 ± 0.3	83.2 ± 1.0	2.6 ± 0.7
80	55	3	4.5 ± 0.3	84.3 ± 1.0	2.7 ± 0.1
160	56	3	4.4 ± 0.2	84.6 ± 0.6	3.0 ± 0.3

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 20 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Euphorbia splendens* and betulin (Dd P3)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	51	21	27.4 ± 1.0	0.0 ± 0.0	0.0 ± 0.1
0.02	50	19	27.7 ± 0.5	4.3 ± 0.1	38.1 ± 0.3
10	51	19	27.5 ± 0.5	4.9 ± 0.1	38.9 ± 0.3
20	55	21	27.2 ± 0.7	5.9 ± 0.8	39.0 ± 1.0
40	59	22	27.0 ± 0.9	6.8 ± 1.4	40.0 ± 0.2
80	39	14	26.6 ± 0.5	8.2 ± 0.1	44.8 ± 0.8
160	41	15	26.3 ± 0.3	9.2 ± 0.7	46.8 ± 1.1

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 21 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Euphorbia splendens* and betulinic acid (Dd Pc)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	56	19	25.4 ± 0.1	0.0 ± 0.0	0.0 ± 0.5
0.02	53	17	24.0 ± 0.2	5.5 ± 0.43	36.4 ± 0.1
10	60	19	23.8 ± 0.1	6.3 ± 0.0	39.9 ± 0.6
20	59	18	23.4 ± 0.0	7.7 ± 0.2	43.9 ± 0.1
40	61	19	23.3 ± 0.1	8.3 ± 0.4	44.3 ± 1.0
80	62	19	23.2 ± 0.1	8.7 ± 0.4	45.0 ± 0.1
160	53	16	22.8 ± 0.1	10.1 ± 0.3	49.5 ± 0.1

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 22 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Jatropha podagrica* and lupeol (Dd P2)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	34	11	24.7 ± 0.4	0.0 ± 0.0	0.0 ± 0.3
0.02	34	3	6.8 ± 0.5	72.5 ± 1.7	1.4 ± 0.8
10	28	2	5.0 ± 1.0	80.0 ± 3.6	2.9 ± 0.8
20	33	2	4.3 ± 0.5	82.6 ± 1.8	3.5 ± 0.8
40	35	2	4.1 ± 0.5	83.6 ± 1.6	3.7 ± 0.2
80	32	1	3.1 ± 0.1	87.7 ± 0.1	3.8 ± 0.5
160	41	1	2.5 ± 0.4	90.1 ± 1.6	4.0 ± 0.4

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 23 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Jatropha podagrica* and betulin (Dd P3)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	48	16	25.4 ± 0.7	0.0 ± 0.0	0.0 ± 0.2
0.02	43	14	24.8 ± 0.9	2.4 ± 0.9	42.4 ± 1.6
10	47	15	24.5 ± 1.0	3.2 ± 1.3	42.7 ± 0.3
20	47	15	24.5 ± 1.1	3.6 ± 1.7	46.0 ± 0.2
40	56	18	24.2 ± 0.9	4.8 ± 1.0	46.1 ± 0.6
80	48	15	24.2 ± 0.9	4.8 ± 1.0	48.7 ± 0.2
160	52	16	23.9 ± 0.7	6.0 ± 0.2	49.9 ± 0.4

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 24 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Jatropha podagrica* and betulinic acid (Dd P6)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	45	17	27.4 ± 0.5	0.0 ± 0.0	0.0 ± 0.2
0.02	44	16	26.2 ± 0.5	4.4 ± 0.4	6.3 ± 0.6
10	49	17	25.9 ± 0.4	5.3 ± 0.1	15.0 ± 0.5
20	43	15	25.7 ± 0.5	5.7 ± 0.5	22.9 ± 0.6
40	48	17	25.5 ± 0.5	7.0 ± 0.2	27.4 ± 0.1
80	51	18	25.5 ± 0.5	7.0 ± 0.2	27.7 ± 0.5
160	55	19	25.2 ± 0.6	7.9 ± 0.7	31.0 ± 0.3

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 18 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Pedilanthus tithymaloides* and lupeol (Dd P2)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	43	16	26.7 ± 0.7	0.0 ± 0.0	0.0 ± 0.7
0.02	56	5	7.5 ± 0.1	71.9 ± 0.4	3.7 ± 0.5
10	61	5	7.0 ± 0.6	74.0 ± 1.4	4.0 ± 1.2
20	55	4	6.7 ± 0.4	75.0 ± 0.9	4.4 ± 0.5
40	57	4	6.6 ± 0.4	75.4 ± 0.9	4.5 ± 1.0
80	68	5	6.3 ± 0.4	76.4 ± 0.9	4.7 ± 0.6
160	66	5	5.9 ± 0.7	78.0 ± 2.1	4.8 ± 0.5

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 26 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Pedilanthus tithymaloides* and (Dd P3)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	53	22	29.0 ± 0.6	0.0 ± 0.0	0.0 ± 0.1
0.02	55	22	28.2 ± 0.7	2.8 ± 0.4	23.9 ± 0.7
10	56	22	27.9 ± 0.5	4.0 ± 0.5	28.1 ± 0.6
20	62	24	27.7 ± 0.5	4.7 ± 0.5	30.3 ± 0.4
40	49	19	27.6 ± 0.5	5.0 ± 0.4	32.7 ± 1.1
80	65	25	27.4 ± 0.5	5.5 ± 0.2	33.7 ± 1.2
160	63	24	27.2 ± 0.7	6.4 ± 0.3	38.8 ± 0.3

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition

Appendix 27 : Anti-tumour Promoter and Cytotoxicity Assay Crude PE Extract of *Jatropha podagrica* and betulinic acid (Dd P6)

Concentration of plant extracts ($\mu\text{g/ml}$)	Total number of cells	Total number of fluorescing cells	Mean percentage of expression (%)	Mean percentage of inhibition (%)	Mean percentage of cytotoxicity (%)
0	55	20	26.8 ± 0.3	0.0 ± 0.0	0.0 ± 0.2
0.02	49	17	25.5 ± 0.5	4.9 ± 0.8	39.1 ± 0.9
10	52	18	25.5 ± 0.5	5.1 ± 0.7	41.3 ± 0.4
20	55	19	25.3 ± 0.6	5.6 ± 1.2	44.9 ± 0.2
40	52	17	25.2 ± 0.8	7.8 ± 0.1	48.0 ± 0.2
80	63	21	25.1 ± 0.9	8.2 ± 0.5	49.0 ± 0.7
160	56	18	24.9 ± 1.0	8.8 ± 1.1	49.2 ± 0.2

Note : Percentage of inhibition was calculated base on the consideration that expression (30 %) of EBV EA by Raji upon induction with TPA is considered as 0% inhibition