

APPENDIX

Appendix Table 1 Water-soluble pectin content in the husk and the dehiscence zone of 'Monthong' durians stored at room temperature

Treatment	Days after harvest					
	0	2	4	6	8	10
Husk	103.24	84.76	101.84	93.26	135.97	155.63
Dehiscence zone	109.90	96.17	103.17	103.17	160.27	171.37
<i>t</i> -test	ns	ns	ns	ns	*	*

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

Appendix Table 2 Chelator-soluble pectin content in the husk and the dehiscence zone of 'Monthong' durians stored at room temperature

Treatment	Days after harvest					
	0	2	4	6	8	10
Husk	198.64	221.99	268.76	271.44	276.38	307.80
Dehiscence zone	254.14	280.76	319.55	313.40	370.44	427.64
<i>t</i> -test	**	*	**	ns	**	**

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

** : significantly different at $p \leq 0.01$

Appendix Table 3 Na_2CO_3 -soluble pectin content in the husk and the dehiscence zone of 'Monthong' durians stored at room temperature

Treatment	Days after harvest					
	0	2	4	6	8	10
Husk	55.76	66.91	80.42	80.86	88.63	125.92
Dehiscence zone	66.69	64.40	84.00	82.54	91.33	132.20
<i>t</i> -test	ns	ns	ns	ns	ns	ns

ns: non-significantly different at $p \leq 0.05$

Appendix Table 4 1 M KOH-soluble fraction content in the husk and the dehiscence zone of 'Monthong' durians stored at room temperature

Treatment	Days after harvest					
	0	2	4	6	8	10
Husk	38.1	35.4	35.6	23.5	23.9	21.5
Dehiscence zone	40.3	33.5	31.8	24.6	23.4	20.4
<i>t</i> -test	ns	ns	ns	ns	ns	ns

ns: non-significantly different at $p \leq 0.05$

Appendix Table 5 4 M KOH-soluble fraction content in the husk and the dehiscence zone of 'Monthong' durians stored at room temperature

Treatment	Days after harvest					
	0	2	4	6	8	10
Husk	52.2	46.8	42.2	39.9	38.6	37.6
Dehiscence zone	50.5	48.1	44.3	33.3	32.6	30.4
<i>t</i> -test	ns	ns	ns	*	*	*

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

Appendix Table 6 Pectin methylesterase activity (η mol acetic acid /mg protein) in the husk and the dehiscence zone of 'Monthong' durians stored at room temperature

Treatment	Days after harvest					
	0	2	4	6	8	10
Husk	19.37	27.25	28.21	28.52	25.33	31.20
Dehiscence zone	18.22	27.12	30.96	31.31	32.61	34.72
<i>t</i> -test	ns	ns	ns	ns	*	*

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

Appendix Table 7 Polygalacturonase activity (η mol galacturonic acid /mg protein) in the husk and the dehiscence zone of 'Monthong' durians stored at room temperature

Treatment	Days after harvest					
	0	2	4	6	8	10
Husk	25.22	27.56	29.88	37.62	38.96	64.51
Dehiscence zone	12.17	25.24	22.31	32.53	32.14	40.27
<i>t</i> -test	*	ns	*	ns	ns	**

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

** : significantly different at $p \leq 0.01$

Appendix Table 8 β -galactosidase activity (η mol p -nitrophenol /mg protein) in the husk and the dehiscence zone of 'Monthong' durians stored at room temperature

Treatment	Days after harvest					
	0	2	4	6	8	10
Husk	38.12	61.14	85.32	56.40	52.12	50.92
Dehiscence zone	37.21	29.87	74.31	84.22	48.96	39.55
<i>t</i> -test	ns	**	*	**	ns	ns

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

** : significantly different at $p \leq 0.01$

Appendix Table 9 Endo-(1,4) β -D-glucanase activity (unit/mg protein) in the husk and the dehiscence zone of 'Monthong' durians stored at room temperature

Treatment	Days after harvest					
	0	2	4	6	8	10
Husk	1446.9	2393.6	2484.3	2514.2	2126.0	2348.7
Dehiscence zone	1357.8	2752.1	2781.3	3182.8	3424.1	3876.9
<i>t</i> -test	ns	ns	ns	ns	**	**

ns: non-significantly different at $p \leq 0.05$

** : significantly different at $p \leq 0.01$

Appendix Table 10 Dehiscence score in control and GA₃ treatment of ‘Monthong’ durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	0	1	2.5	3.0	4.0
GA ₃	0	0	0.5	1.5	2.5
<i>t</i> -test	ns	*	*	*	*

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

Appendix Table 11 Percentage of water loss in control and GA₃ treatment of ‘Monthong’ durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	3.00	4.80	7.12	7.70	10.90
GA ₃	2.50	3.80	6.20	7.20	9.00
<i>t</i> -test	ns	*	*	*	*

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

Appendix Table 12 Peel color change (L-value scale) in control and GA₃ treatment of ‘Monthong’ durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	25.77	28.40	37.40	44.05	36.34
GA ₃	25.02	25.60	30.56	32.69	31.99
<i>t</i> -test	ns	ns	**	**	**

ns: non-significantly different at $p \leq 0.05$

** : significantly different at $p \leq 0.01$

Appendix Table 13 Water-soluble pectin content in control and GA₃ treatment of 'Monthong' durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	42.30	51.09	60.10	74.00	88.80
GA ₃	39.30	49.20	68.90	79.50	77.90
<i>t</i> -test	ns	ns	*	ns	*

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

Appendix Table 14 Chelator-soluble pectin content in control and GA₃ treatment of 'Monthong' durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	45.90	41.40	41.50	29.70	25.70
GA ₃	51.40	45.00	52.60	31.20	26.60
<i>t</i> -test	*	ns	*	ns	ns

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

Appendix Table 15 Na₂CO₃-soluble pectin content in control and GA₃ treatment of 'Monthong' durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	31.50	44.50	31.80	21.50	28.00
GA ₃	37.50	34.90	19.80	19.90	24.50
<i>t</i> -test	*	*	*	ns	ns

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

Appendix Table 16 1 M KOH-soluble fraction content in control and GA₃ treatment of 'Monthong' durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	40.30	33.50	31.80	24.60	23.40
GA ₃	37.90	32.80	29.60	24.40	29.40
<i>t</i> -test	ns	ns	ns	ns	ns

ns: non-significantly different at $p \leq 0.05$

Appendix Table 17 4 M KOH soluble fraction content in control and GA₃ treatment of 'Monthong' durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	50.50	48.10	44.30	33.30	32.60
GA ₃	52.30	44.90	43.40	38.50	37.50
<i>t</i> -test	ns	ns	ns	*	ns

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

Appendix Table 18 Pectinmethylesterase activity (η mol acetic acid/mg protein) in control and GA₃ treatment of 'Monthong' durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	19.64	25.67	31.07	31.99	32.84
GA ₃	19.29	21.65	24.91	29.15	26.38
<i>t</i> -test	ns	*	*	ns	*

ns: non-significantly different at $p \leq 0.05$

*: significantly different at $p \leq 0.05$

Appendix Table 19 Polygalacturonase activity (μg galacturonic acid /g FW) in control and GA₃ treatment of 'Monthong' durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	43.08	43.77	57.98	88.14	99.21
GA ₃	43.06	36.52	49.56	66.31	86.40
<i>t</i> -test	ns	*	*	**	**

ns: non-significantly different at $p \leq 0.05$

* : significantly different at $p \leq 0.05$

** : significantly different at $p \leq 0.01$

Appendix Table 20 β -galactosidase activity (ηmol p -nitrophenol/mg protein) in control and GA₃ treatment of 'Monthong' durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	36.34	67.05	70.02	62.01	67.59
GA ₃	34.85	47.75	57.03	55.09	58.36
<i>t</i> -test	ns	**	**	*	*

ns: non-significantly different at $p \leq 0.05$

*: significantly different at $p \leq 0.05$

** : significantly different at $p \leq 0.01$

Appendix Table 21 Endo-(1,4) β -D-glucanase activity (μg glucose/g FW) in control and GA₃ treatment of 'Monthong' durians stored at room temperature for 8 days

Treatment	Days after harvest				
	0	2	4	6	8
Control	35.66	47.59	84.96	109.15	109.08
GA ₃	35.66	29.73	45.50	73.32	97.89
<i>t</i> -test	ns	**	**	**	*

ns: non-significantly different at $p \leq 0.05$

*: significantly different at $p \leq 0.05$

** : significantly different at $p \leq 0.01$