

Supplementary Information

The Effect of Maltose-Sucrose Weight Ratio in Lozenges of Bajakah Root Ethanolic Extract (*Spatholobus littoralis* Hassk.) on Their Flavonoid Total Release, Physical, and Sensory Properties

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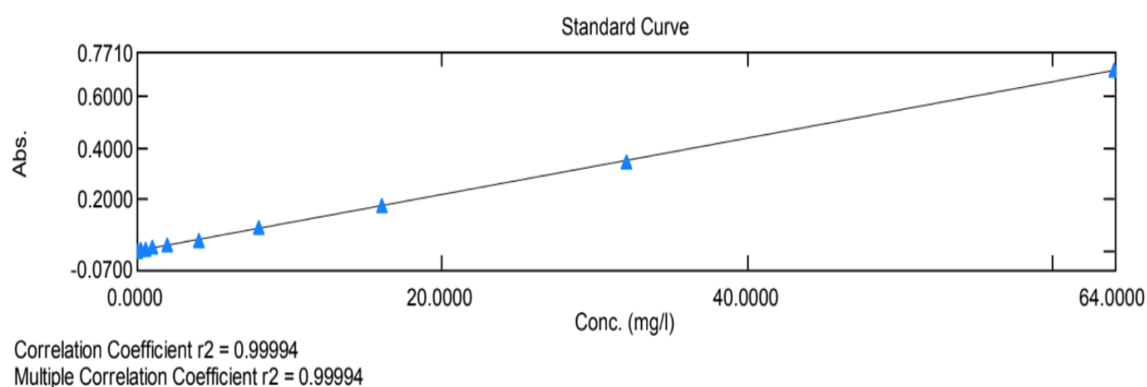


Figure S1. Standard curve tannic acid.

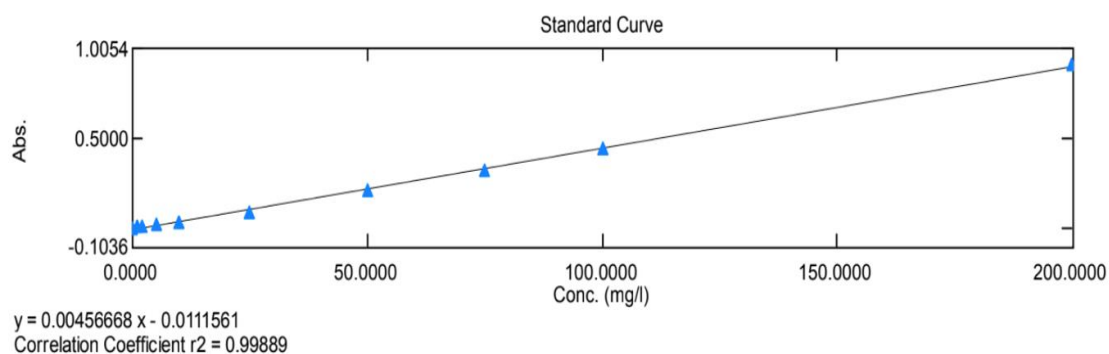


Figure S2. Standard curve flavonoid total.

Table S1. Kadar tanin total equivalen.

Berat sampel (g)	FP	Kadar (% b/b)
0.050	100	9.05
0.051	100	9.03
0.050	100	9.04

Table S2. Kadar flavonoid total equivalen.

Berat sampel (g)	FP	Kadar (% b/b)
0.0519	1.0	2.24
0.0512	1.0	2.16
0.0518	1.0	2.17

Table S3. Statistical analysis of weigh uniformity.

Tests of Normality							
	Replikasi	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Nilai	F1 R1	.145	20	.200 [*]	.921	20	.105
	F1 r2	.169	20	.136	.911	20	.065
	F1 R3	.145	20	.200 [*]	.954	20	.432
	F2 r1	.184	20	.074	.921	20	.103
	F2 R2	.088	20	.200 [*]	.983	20	.965
	F2 R3	.153	20	.200 [*]	.957	20	.482
	F3 R1	.177	20	.099	.943	20	.276
	F3 R2	.117	20	.200 [*]	.940	20	.242
	F3 R3	.124	20	.200 [*]	.936	20	.200

Test of Homogeneity of Variances					
	Based on	Levene		df2	Sig.
		Statistic	df1		
Nilai	Based on Mean	1.361	8	171	.217
	Based on Median	1.084	8	171	.377
	Based on Median and with adjusted df	1.084	8	160.249	.377
	Based on trimmed mean	1.353	8	171	.220

Tests of Normality							
	Replikasi	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Nilai	F1 R1	.145	20	.200 [*]	.921	20	.105
	F1 r2	.169	20	.136	.911	20	.065
	F1 R3	.145	20	.200 [*]	.954	20	.432
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	Based on trimmed mean	1.353	8	171	.220

Table S4. Statistical analysis of hardness test.

Tests of Normality							
	Replikasi	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Nilai	F1 R1	.145	20	.200 [*]	.921	20	.105
	F1 r2	.169	20	.136	.911	20	.065
	F1 R3	.145	20	.200 [*]	.954	20	.432
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	F3 R1	.177	20	.099	.943	20	.276
	F3 R2	.117	20	.200 [*]	.940	20	.242
	F3 R3	.124	20	.200 [*]	.936	20	.200

Test of Homogeneity of Variances

		Levene			
		Statistic	df1	df2	Sig.
Nilai	Based on Mean	2.711	11	60	.007
	Based on Median	2.505	11	60	.012
	Based on Median and with adjusted df	2.505	11	39.267	.017
	Based on trimmed mean	2.706	11	60	.007

Table S5. Statistical analysis of disintegration time.

Tests of Normality							
	Formulasi	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Nilai	F1	.289	3	.	.928	3	.480
	F2	.310	3	.	.900	3	.384
	F3	.292	3	.	.923	3	.463
	F4	.253	3	.	.964	3	.637

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

		Levene			
		Statistic	df1	df2	Sig.
Nilai	Based on Mean	1.417	3	8	.307
	Based on Median	.265	3	8	.849
	Based on Median and with adjusted df	.265	3	5.605	.848
	Based on trimmed mean	1.273	3	8	.347

Table S6. Release test of Formula 1.

Time (min)	Abs.	Cp (mg/mL)	Concentration (mg)	cf	cf of Conc.	Dissolution conc.	AUC
0	0.013	1.580	14.220	0.000	14.220	5.690	0.000
2	0.019	2.450	22.040	0.240	22.290	8.920	3.760
5	0.290	41.720	375.52	4.170	379.69	151.88	124.01
10	0.370	53.320	479.87	5.330	485.20	194.08	191.74
15	0.430	62.010	558.13	6.200	564.33	225.73	228.41
20	0.390	56.220	505.96	5.620	511.58	204.63	204.52
30	0.420	60.570	545.09	6.060	551.14	220.46	258.68
45	0.530	76.510	688.57	7.650	696.22	278.49	326.50
60	0.420	60.570	545.09	6.060	551.14	220.46	113.94
Σ AUC							1451.56
% DE							82.96

Table S7. Release test of Formula 2.

Time (min)	Abs.	Cp (mg/mL)	Concentration (mg)	cf	cf of Conc.	Dissolution conc.	AUC
0	0.013	1.580	14.220	0.000	14.220	5.69	0.000
2	0.019	2.450	22.040	0.240	22.290	8.92	3.76
5	0.290	41.720	375.52	4.170	379.69	151.88	124.01
10	0.370	53.320	479.87	5.330	485.20	194.08	184.50
15	0.400	57.670	519.00	5.770	524.77	209.91	207.23
20	0.400	57.670	519.00	5.770	524.77	209.91	207.20
30	0.400	57.670	519.00	5.770	524.77	209.91	251.55
45	0.570	82.300	740.74	8.230	748.97	299.59	366.06
60	0.420	60.570	545.09	6.060	551.14	220.46	113.90
Σ AUC							1458.21
% DE							83.34

Table S8. Release test of Formula 3.

Time (min)	Abs.	Cp (mg/mL)	Concentration (mg)	Cf	cf of Conc.	Dissolution conc.	AUC
0	0.013	1.580	14.220	0.000	14.220	5.69	0.000
2	0.020	2.590	23.350	0.260	23.610	9.44	3.980
5	0.290	41.720	375.52	4.170	379.69	151.88	124.01
10	0.370	53.320	479.87	5.330	485.20	194.08	191.74
15	0.430	62.010	558.13	6.200	564.33	225.73	228.41
20	0.390	56.220	505.96	5.620	511.58	204.63	214.70
30	0.460	66.360	597.26	6.640	603.90	241.56	295.35
45	0.530	76.510	688.57	7.650	696.22	278.49	354.11
60	0.500	72.160	649.43	7.220	656.65	262.66	161.83
Σ AUC							1574.12
% DE							75.510