

7. APPENDIX

Appendices 1. SPSS Result for Total phenolic data

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Fresh_turmeric	,195	6	,200(*)	,940	6	,661
Heated_turmeric	,225	6	,200(*)	,838	6	,126

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_galangal	,285	6	,200(*)	,854	6	,171
heated_galangal	,242	6	,200(*)	,832	6	,112

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_fingerroot	,188	6	,200(*)	,932	6	,592
heated_fingerroot	,220	6	,200(*)	,918	6	,493

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_greatergalangal	,226	6	,200(*)	,942	6	,676
heated_greatergalangal	,208	6	,200(*)	,863	6	,201

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_empritginger	,257	6	,200(*)	,877	6	,254
heated_empritginger	,214	6	,200(*)	,901	6	,379

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_elephantginger	,204	6	,200(*)	,880	6	,268
heated_elephantginger	,136	6	,200(*)	,965	6	,860

* This is a lower bound of the true significance.

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	fresh_turmeric - heated_turmeric	36,0333	3,94850	1,61197	40,17703	31,88963	22,354	5	,000

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	fresh_galangal - heated_galangal	2,91667	1,03714	,42341	4,00508	1,82825	6,888	5	,001

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	fresh_fingerroot - heated_fingerroot	50,06667	1,26557	,51667	51,39480	48,73853	96,903	5	,000

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	fresh_greatergalangal - heated_greatergalangal	14,40833	4,12400	1,68362	18,73621	10,08046	8,558	5	,000

Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 fresh_empritginger - heated_empritginger	19,17667	1,78971	,73065	21,05485	17,29848	26,246	5	,000

Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 fresh_elephantginger - heated_elephantginger	22,83333	2,56118	1,04560	25,52113	20,14553	21,838	5	,000

Appendices 2. SPSS Result for Total flavonoid Data

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_turmeric	,214	6	,200(*)	,920	6	,506
heated_turmeric	,221	6	,200(*)	,884	6	,287

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_galangal	,196	6	,200(*)	,928	6	,568
heated_galangal	,183	6	,200(*)	,978	6	,939

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_fingerroot	,170	6	,200(*)	,964	6	,853
heated_fingerroot	,231	6	,200(*)	,869	6	,221

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_greatergalangal	,224	6	,200(*)	,854	6	,170
heated_greatergalangal	,259	6	,200(*)	,846	6	,146

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_empritginger	,199	6	,200(*)	,922	6	,519
heated_empritginger	,237	6	,200(*)	,926	6	,548

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_elephantginger	,219	6	,200(*)	,919	6	,496
heated_elephantginger	,268	6	,200(*)	,779	6	,038

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	fresh_turmeric - heated_turmeric	92,68333	2,22119	,90680	95,01432	90,35234	102,210	5	,000

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	fresh_galangal - heated_galangal	4,08333	,49967	,20399	4,60770	3,55897	20,018	5	,000

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Paired 1	fresh_fingerroot - heated_fingerroot	-29,3667	3,12004	1,27375	-32,64095	-26,09238	-23,055	5	,000

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Paired 1	fresh_greatergalangal - heated_greatergalangal	-8,08333	1,70343	,69542	-9,87097	-6,29570	-11,624	5	,000

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Paired 1	fresh_empritginger - heated_empritginger	-21,80000	,93595	,38210	-22,78222	-20,81778	-57,053	5	,000

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Paired 1	fresh_elephantginger - heated_elephantginger	-24,56667	3,89855	1,59158	-28,65794	-20,47539	-15,435	5	,000

Appendices 3. SPSS Result for Antioxidant Activity Data

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_turmeric	,225	6	,200(*)	,893	6	,333
heated_turmeric	,217	6	,200(*)	,912	6	,450

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_galangal	,189	6	,200(*)	,928	6	,567
heated_galangal	,198	6	,200(*)	,882	6	,280

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_fingerroot	,256	6	,200(*)	,893	6	,337
heated_fingerroot	,268	6	,200(*)	,863	6	,200

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_greatergalangal	,247	6	,200(*)	,909	6	,432
heated_greatergalangal	,185	6	,200(*)	,975	6	,922

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_empritginger	,191	6	,200(*)	,929	6	,576
heated_empritginger	,184	6	,200(*)	,939	6	,652

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
fresh_elephantginger	,176	6	,200(*)	,955	6	,777
heated_elephantginger	,169	6	,200(*)	,968	6	,882

* This is a lower bound of the true significance.

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	fresh_turmeric - heated_turmeric	,135250	,008464	,003456	,144133	,126367	39,140	5	,000

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	fresh_fingerroot - heated_fingerroot	,055233	,037034	,015119	,094099	,016368	3,653	5	,015

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	fresh_greatergalangal - heated_greatergalangal	,026017	,017410	,007108	,044287	,007746	3,660	5	,015

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	fresh_empritginger - heated_empritginger	,064617	,026938	,010997	,092886	,036347	5,876	5	,002

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Paired	fresh_elephantginger	-.06960	,020571	,008398	-.091188	-.048012	8,288	5	,000

