

Figure S1 Standard curve of total phenolic content (TPC) with gallic acid agent used as a standard.

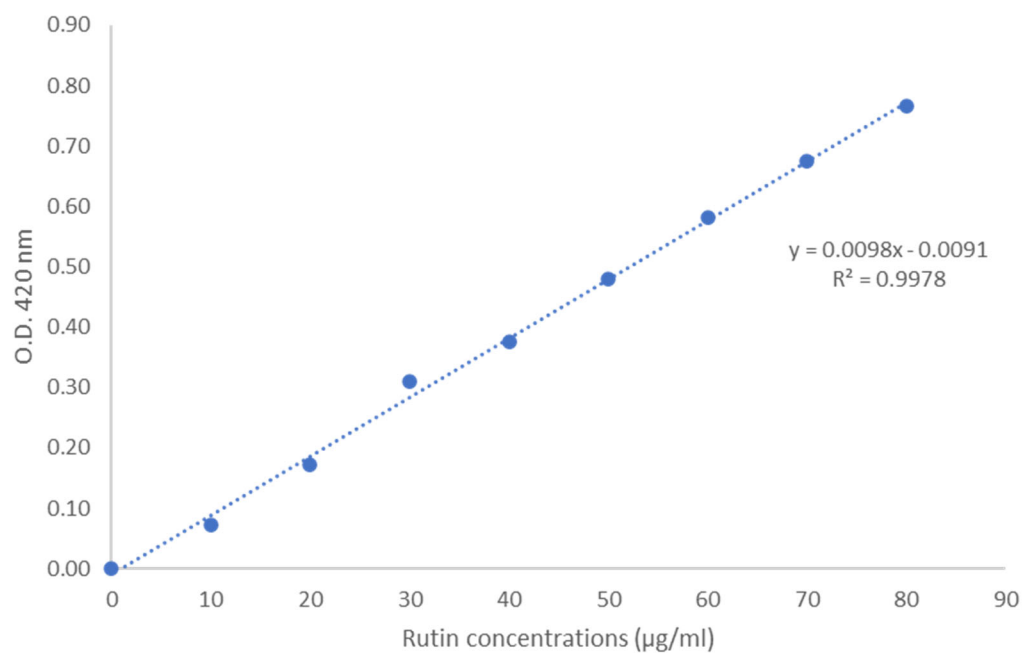


Figure S2 Standard curve of total flavonoid content (TFC) with rutin agent used as a standard.

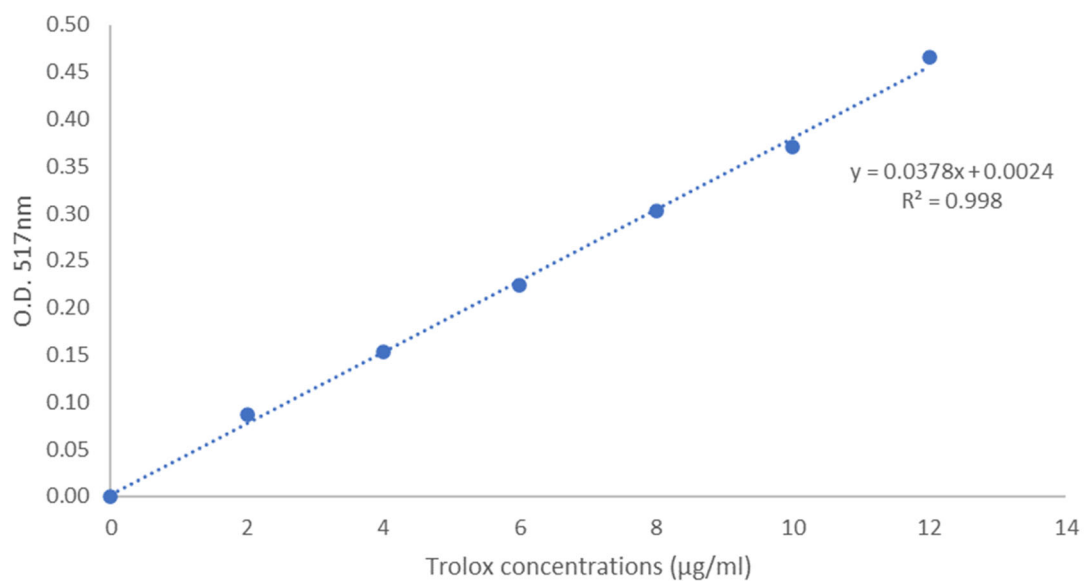


Figure S3 Standard curve of DPPH assay with Trolox agent used as a standard.

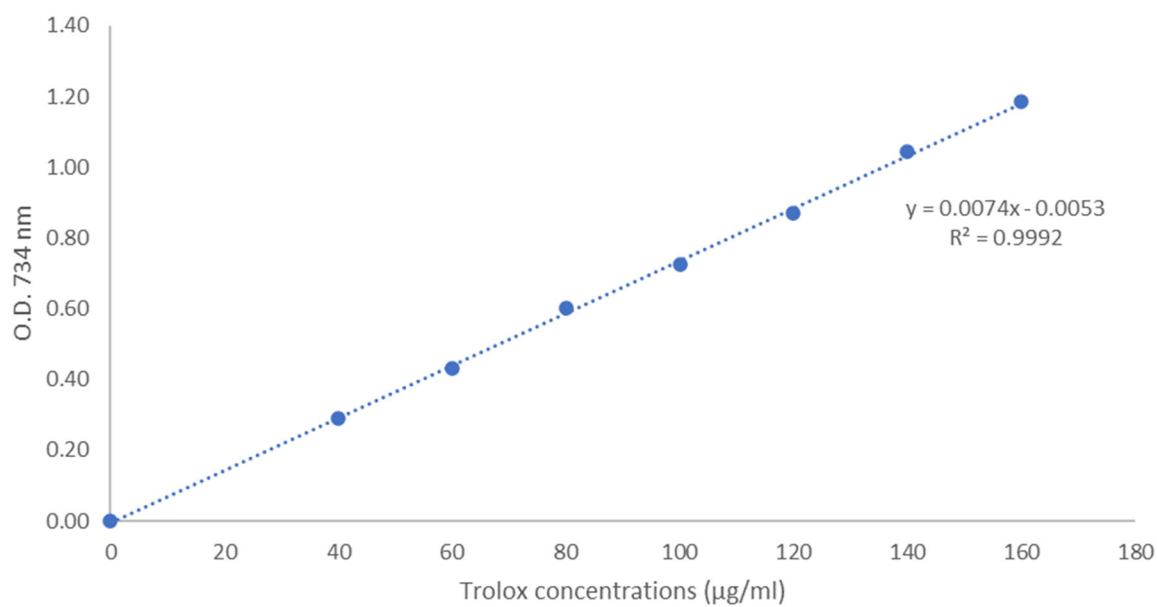


Figure S4 Standard curve of ABTS assay with Trolox agent used as a standard.

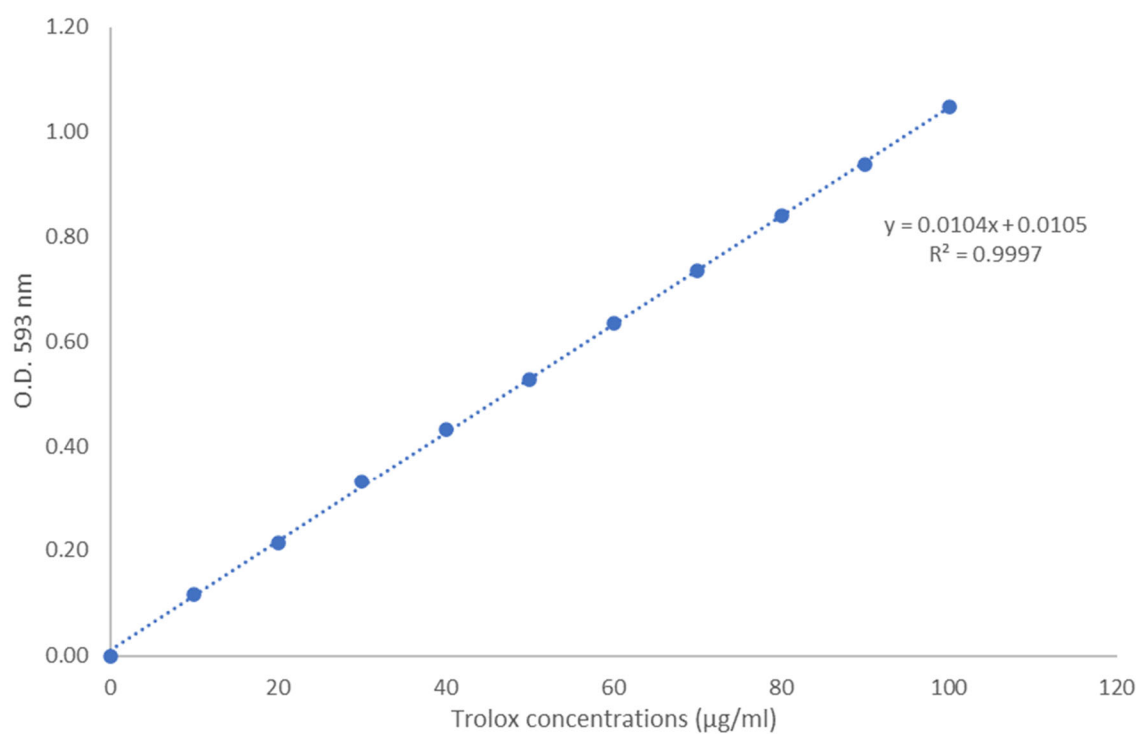


Figure S5 Standard curve of FRAP assay with Trolox agent used as a standard.

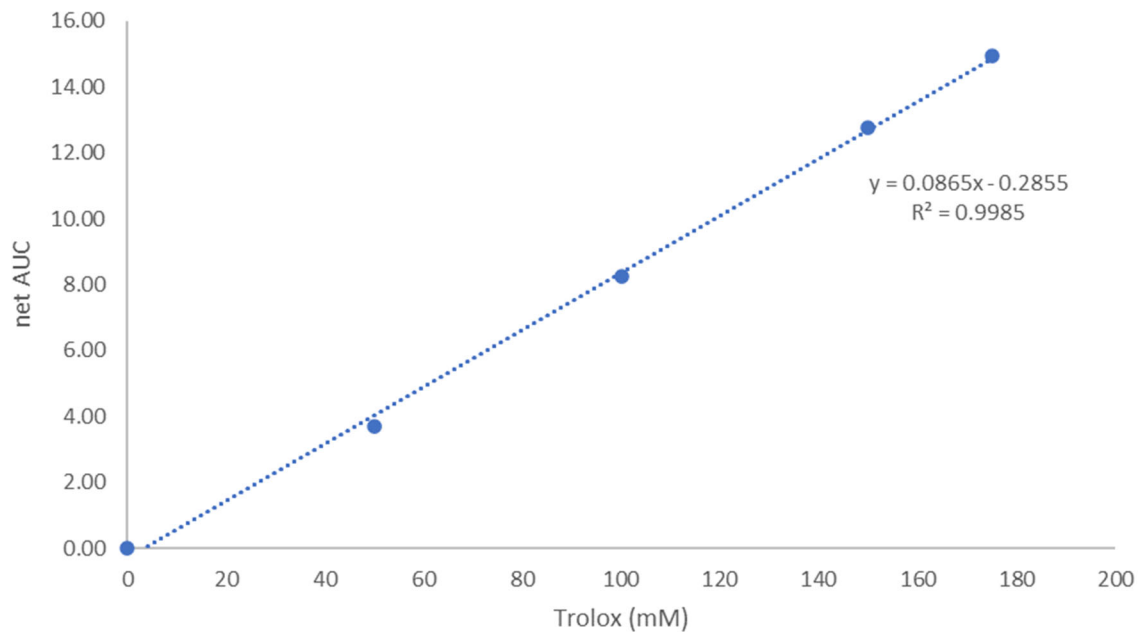


Figure S6 Standard curve of ORAC assay with Trolox agent used as a standard.

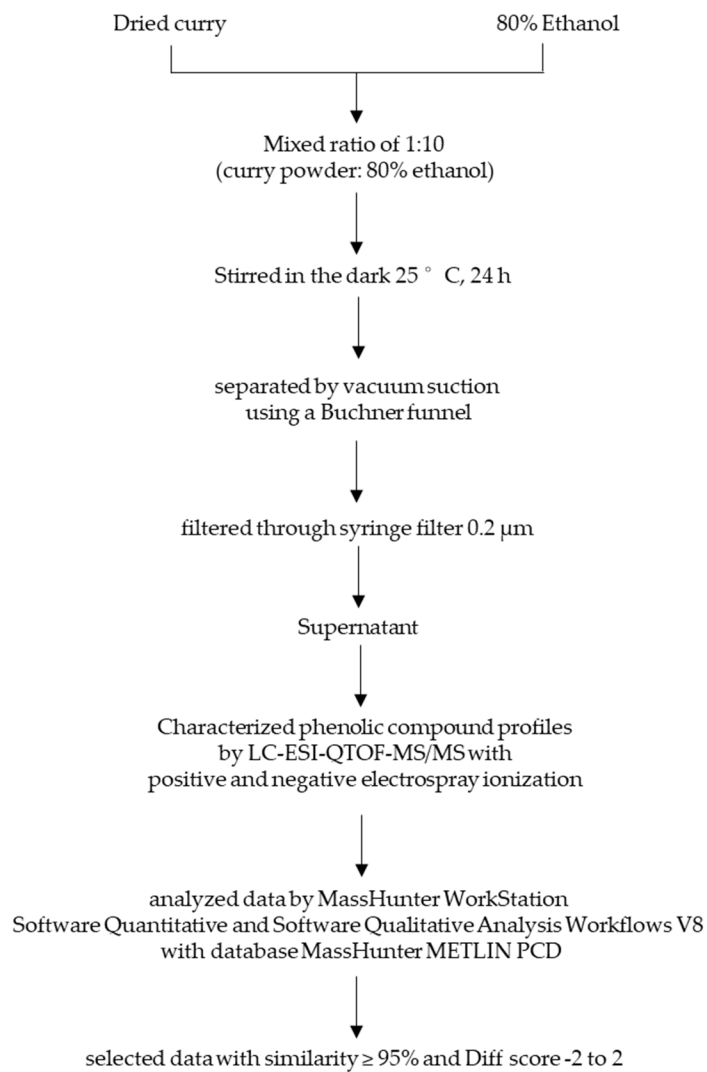


Figure S7 Diagram of characterization of phenolic profiles by LC-ESI-QTOF-MS/MS.

Table S1 Correlation coefficients of total phenolic content, total flavonoid content, and antioxidant activities.

Variables	TPC	TFC	DPPH	ABTS	FRAP
TFC	0.974**				
DPPH	0.996**	0.971**			
ABTS	0.994**	0.967**	0.994**		
FRAP	0.994**	0.966**	0.993**	0.995**	
ORAC	0.974**	0.898*	0.981**	0.981**	0.985**

** Correlation is significant at $p < 0.01$ and * Correlation is significant at $p < 0.05$