

Table S2. The influence of extraction time on ABTS and DPPH radical scavenging activity, ferric reducing antioxidant power (FRAP), and cupric ion-reducing antioxidant capacity (CUPRAC) of *Aloe vera* leaf waste extracts obtained in maceration, heat-, ultrasound-, and microwave-assisted extractions (HAE, UAE, and MAE, respectively).

Extraction techniques	Time [min]	antioxidant capacity			
		ABTS [$\mu\text{mol TE/g}$]	DPPH IC ₅₀ [mg/mL]	FRAP [mmol Fe ²⁺ /g]	CUPRAC [mmol TE/g]
Maceration	30	1.80±0.13 ^{a*}	43.86±2.81 ^a	0.200±0.006 ^b	0.126±0.003 ^b
	45	2.05±0.17 ^a	41.08±4.13 ^a	0.216±0.008 ^a	0.140±0.004 ^a
	60	2.01±0.18 ^a	40.38±1.89 ^a	0.210±0.005 ^{ab}	0.128±0.002 ^b
HAE	15	1.36±0.04 ^b	42.68±1.32 ^a	0.212±0.010 ^b	0.125±0.008 ^a
	30	1.52±0.08 ^a	41.66±2.76 ^a	0.250±0.012 ^a	0.132±0.003 ^a
	45	1.64±0.11 ^a	41.57±1.25 ^a	0.241±0.008 ^a	0.133±0.010 ^a
UAE	5	1.35±0.17 ^a	42.56±2.44 ^b	0.157±0.001 ^b	0.112±0.003 ^b
	15	1.40±0.20 ^a	35.91±3.04 ^a	0.243±0.007 ^a	0.127±0.001 ^a
	30	1.35±0.22 ^a	33.38±1.10 ^a	0.149±0.002 ^c	0.125±0.007 ^a
MAE	1	2.19±0.07 ^a	29.38±1.60 ^b	0.269±0.006 ^b	0.173±0.008 ^b
	2	2.30±0.07 ^a	24.78±0.26 ^a	0.294±0.004 ^a	0.192±0.003 ^a
	3	2.22±0.06 ^a	24.87±1.06 ^a	0.206±0.007 ^c	0.164±0.005 ^b

* Values with the same letter in each column showed no statistically significant difference ($p>0.05$; $n=3$; analysis of variance, Duncan's *post-hoc* test); TE, Trolox equivalents; IC₅₀, the concentration of extract required to neutralize 50% of DPPH radicals.