Table S3 Descriptive statistics (Mean±SD) of biochemical traits per treatment, one-way ANOVA and Tukey HSD tests among trees of Menara under deficit irrigation (RDI and SDI) and control treatment (T0)

	Treatment	LNC[1]	LCC	LPC	TFC	TPC	PRO	SUC	GLY
Control	T0	21.140±0.779^{a}	157.367±2.267^{a}	1.624±0.019^{a}	2.574±0.135^{e}	18.190±0.545^{f}	6.690±0.171^{e}	12.842±0.137^{e}	0.978±0.044^{e}
RDI	T1	20.902±0.492^{a,b}	156.400±2.500^{a}	1.554±0.127^{a,b}	2.669±0.124^{e}	20.198±0.258^{e}	6.985±0.734^{e}	13.078±0.804^{e}	1.111±0.017^{d,e}
	T2	20.665±0.482^{a,b}	142.433±1.115^{b}	1.381±0.023^{b,c}	2.937±0.008^{d}	23.652±0.532^{d}	11.285±0.885^{d}	19.288±0.934^{d}	1.324±0.018^{c,d,e}
	T3	19.730±0.140^{b,c}	139.700±0.200^{b,c}	1.323±0.068^{c}	4.387±0.116^{c}	26.729±0.914 ^{a,b}	18.578±0.602^{c}	21.948±0.518^{c}	1.429±0.005^{b,c,d}
	T4	18.890±0.042^{c,d}	137.933±0.550^{b,c}	1.064±0.035^{d}	4.976±0.079^{b}	24.674±0.716^{c,d}	19.312±0.321^{c}	25.575±0.103^{b}	1.601±0.052^{b,c}
SDI	T5	18.694±0.424^{c,d}	135.600±1.558^{c}	0.847±0.098^{e}	5.278±0.032^{a}	28.129±0.060^{a}	22.605±0.873^{b}	27.668±0.647^{a}	1.735±0.064^{b}
	T6	18.251±0.542^{d}	136.833±2.850^{c}	0.835±0.060^{e}	5.242±0.094^{a,b}	25.678±0.484^{b,c}	24.852±0.711^{a}	28.476±0.611^{a}	2.169±0.318^{a}
	ANOVA *F*	18.170***	76.098***	59.568***	505.257***	118.952***	373.262***	334.646***	30.616***

[1]refer to Materials and Methods section for traits abbreviations full names. ***significant at $p < 0.001$. Values with the same suffix are not statistically significantly different at $P < 0.05$ in Tukey HSD post hoc tests.