Electronic Supplementary Information

Physiological responses of pakcoy (*Brassica rapa* ssp. *chinensis*) to chitosan application under short-term drought stress

Respons fisiologis pakcoy (*Brassica rapa* ssp. *chinensis*) terhadap aplikasi kitosan pada kondisi cekaman kekeringan jangka pendek

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Table S1. Two-way ANOVA results for growth, physiological, and biochemical traits of *B. rapa* ssp. *chinensis*.

Parameter	Factor	p-value	ηp²	Sig.
Number of leaves	Chitosan (C)	0.731	0.038	ns
	Drought (D)	0.440	0.051	ns
	C × D	0.744	0.086	ns
Plant height	Chitosan (C)	0.351	0.123	ns
	Drought (D)	0.071	0.282	ns
	C × D	0.958	0.037	ns
Canopy width	Chitosan (C)	0.593	0.063	ns
	Drought (D)	0.047	0.317	*
	C × D	0.701	0.121	ns
SPAD (1st measurement)	Chitosan (C)	0.079	0.272	ns
	Drought (D)	0.034	0.345	*
	C × D	0.156	0.324	ns
SPAD (2nd measurement)	Chitosan (C)	0.455	0.094	ns
	Drought (D)	0.113	0.239	ns
	C × D	0.843	0.080	ns
Shoot fresh weight	Chitosan (C)	0.409	0.106	ns
	Drought (D)	0.001	0.592	**
	C × D	0.957	0.038	ns
Root fresh weight	Chitosan (C)	0.366	0.106	ns
	Drought (D)	0.017	0.399	*
	C × D	0.727	0.114	ns
Root length	Chitosan (C)	0.236	0.165	ns
	Drought (D)	0.181	0.192	ns
	C × D	0.485	0.184	ns
Shoot dry weight	Chitosan (C)	0.368	0.118	ns
	Drought (D)	0.001	0.595	**
	C × D	0.979	0.025	ns
Root dry weight	Chitosan (C)	0.216	0.174	ns
	Drought (D)	0.023	0.377	*
	C × D	0.930	0.049	ns
Chlorophyll a	Chitosan (C)	0.891	0.014	ns
	Drought (D)	0.484	0.087	ns
	C × D	0.956	0.085	ns
Chlorophyll b	Chitosan (C)	0.958	0.005	ns
	Drought (D)	0.326	0.131	ns
	C × D	0.916	0.055	ns
Total chlorophyll	Chitosan (C)	0.914	0.011	ns
	Drought (D)	0.437	0.098	ns
	C × D	0.859	0.075	ns
Carotenoid	Chitosan (C)	0.783	0.030	ns
	Drought (D)	0.537	0.075	ns
	C × D	0.853	0.076	ns
H_2O_2	Chitosan (C)	0.764	0.033	ns
	Drought (D)	0.950	0.006	ns
	C × D	0.128	0.344	ns
Proline	Chitosan (C)	0.217	0.174	ns
	Drought (D)	0.679	0.001	ns
	C × D	0.367	0.224	ns
RSA	Chitosan (C)	0.502	0.083	ns
	Drought (D)	0.718	0.041	ns
	C × D	0.776	0.100	ns
Phenol	Chitosan (C)	0.486	0.086	ns

Parameter	Factor	p-value	ηp²	Sig.
	Drought (D)	0.447	0.096	ns
	C × D	0.474	0.188	ns
Flavonoid	Chitosan (C)	0.292	0.143	ns
	Drought (D)	0.775	0.031	ns
	C × D	0.568	0.159	ns
Anthocyanin	Chitosan (C)	0.023	0.394	*
	Drought (D)	0.131	0.237	ns
	C × D	0.009	0.573	**

Note: C = chitosan concentration; D = drought duration; C × D = interaction between chitosan and drought. Effect size is expressed as partial eta squared (ηp²). ns = not significant ($p \geq 0.05$); * $p < 0.05$; ** $p < 0.01$.