

Table S1. Adj P-values of various control and Tulsi leaf extract treatments compared on day 5, 10, 15 and 25 in vitro.

Treatment_Day	Adj.P values (fresh weight concentration)						
	IAA	ABA	GA ₃	JA	BA	Zeatin	2iP
C_5 vs 1% Tulsi leaf extract_5	0.9141	1.0000	0.0567	0.2438	0.0346	0.0621	0.4337
C_5 vs 10% Tulsi leaf extract_5	0.9999	0.5626	0.0101	0.9999	0.7544	0.4285	0.3484
C_5 vs 20% Tulsi leaf extract_5	1.0000	0.9923	0.5786	0.7252	0.6874	<.0001	0.1684
C_10 vs 1% Tulsi leaf extract_10	<.0001	0.0203	0.7891	<.0001	0.6181	0.9711	0.1691
C_10 vs 10% Tulsi leaf extract_10	<.0001	0.4132	<.0001	1.0000	<.0001	1.0000	<.0001
C_10 vs 20% Tulsi leaf extract_10	0.1296	0.1846	<.0001	0.9374	0.1400	1.0000	0.9440
C_15 vs 1% Tulsi leaf extract_15	<.0001	0.7503	0.5655	<.0001	1.0000	1.0000	0.7603
C_15 vs 10% Tulsi leaf extract_15	0.0564	0.0044	0.968	<.0001	0.7203	1.0000	0.0012
C_15 vs 20% Tulsi leaf extract_15	<.0001	0.0403	<.0001	<.0001	0.1162	0.562	<.0001
C_25 vs 1% Tulsi leaf extract_25	0.0658	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
C_25 vs 10% Tulsi leaf extract_25	0.0658	0.9912	1.0000	1.0000	1.0000	0.808	1.0000
C_25 vs 20% Tulsi leaf extract_25	0.0658	1.0000	1.0000	1.0000	1.0000	0.0015	1.0000

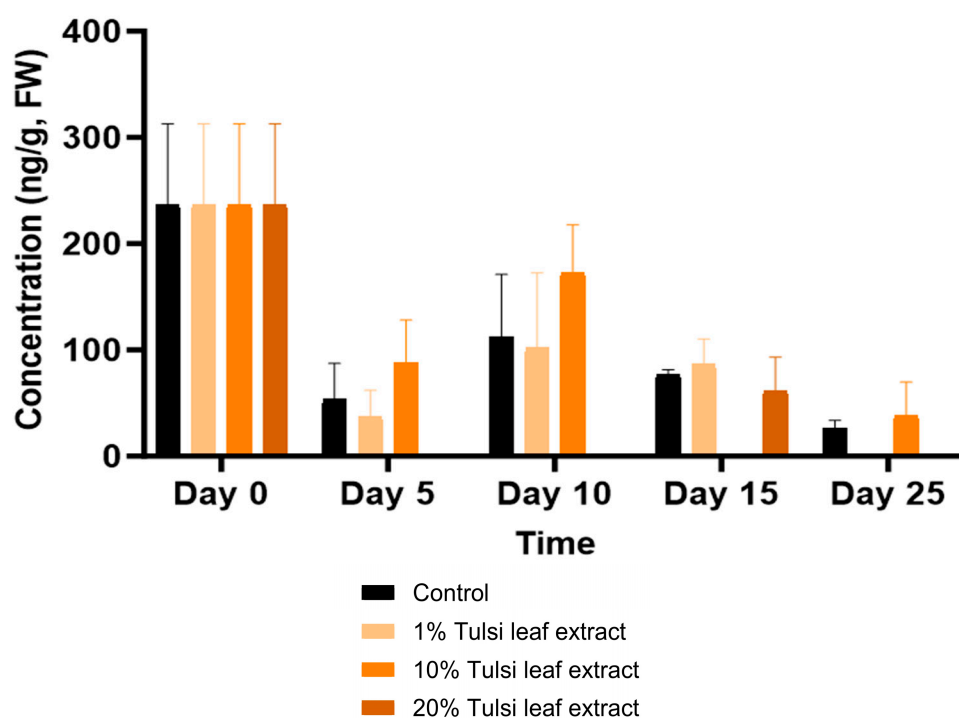


Figure S1. The fresh weight concentration of salicylic acid (SA) in the in vitro cultures of *N. tabacum* supplemented with various concentrations of Tulsi leaf extract over 0, 5, 10, 15, and 25 days in culture. Data represents the means \pm SE of two biological replicates and three technical replicates of each treatment and time point.