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Efficiency Of Humic Acid Application On Tomato (*Solanum Lycopersicum* L.) Seedlings Growth Parameters

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**Abstract**

In this study, a widely grown in Turkey Province tomato (*Solanum lycopersicum* L.) plant, seedling growing media (peat: perlite: 2:1) added at different doses (0, 500, 1000, and 2000 mg L⁻¹) humic acid (15% humic + fulvic acid) applications to determine the effects on seedling growth that conducted the trial greenhouse. Completely randomized design with 3 replications in each application study was carried out. The chlorophyll content and stomatal conductance measurements created after the plants were harvested and the harvested plants, stem length, root length, shoot length, stem diameter, root weight, stem weight, leaf weight were measured in root, stem and leaf dry matter amounts calculated. As a result of this study, depending on the doses of humic acid applications at different doses, stem length, root length, shoot length, stem diameter, root weight, stem weight, leaf weight increased compared to control groups. Especially, 1000 mg L⁻¹ humic acid dose led to further increases.

**Keywords:** Tomato, humic acid, seedling