**Respon Perbedaan Nilai *Electrical Conductivity* (EC) Terhadap Pertumbuhan Dan Produksi Beberapa Varietas Melon (*Cucumis Melo L.*) Hibrida Sistem Hidroponik**

Response To Different Value Of Electrical Conductivity (EC) On The Growth And Production Of Some Varieties Of Melon (Cucumis Melo L.) Hybrid Hydroponic Systems

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## *ABSTRACT*

*The purpose of this research was to determine the response of differences in the value of Electrical Conductivity (EC) to the growth and production of several varieties of melon seeds hybrid hydroponic system. The study was carried out on February 2 - April 20, 2021 at the Smart Green House of the Jember State Polytechnic using a factorial Completely Randomized Design (RAL) with two factors or treatments, the first factor was the value of EC (E) with 3 levels of E1 = 2.6 mS, E2 = 2.8 mS and E3 = 3.0 mS, the second factor was the treatment of varieties (V) with 2 levels V1 = Honey Globe variety and V2 = Orange Queen variety. The results showed that the treatment of EC value (E) and the interaction of E x V treatment were not significantly different in all observed parameters, while the treatment of varieties (V) had a very significant effect on all parameters observed with treatment V1 (Honey Globe) highest in all observation parameters which include plant length, number of leaves, leaf area, fruit weight, thickness of fruit flesh, brix content and storability.*

***Keywords*** : *Electrical Conductivity (EC), varieties, hydroponic*