

ABSTRACT

Mutiara Nur Siti Faridha. 2025. Effectiveness Test Biochar Three In One On The Growth Of Red Chilies (Capsicum annum L.) Supervised by Prof. Dr. Cartono, MPd., M.T. as Supervisor I and Drs.H. Ahmad Mulyadi, M.Pd., as Supervisor II

Red chili production in Indonesia in 2021 will decrease by 137,456 tonnes based on (BPS) Central Statistics Agency (2024). Red chili production is relatively low due to less than optimal use of fertilizer. There is a need to increase production, productivity and good quality by testing plants using three in one biochar. The aim of the research was to determine the effectiveness of three in one biochar on the growth of red chili plants (Capsicum annum L.). The research applied an experimental method using a Completely Randomized Design (CRD) with 6 treatments and 4 repetitions. The observation data was analyzed and continued with the Duncan test. Based on the results of statistical tests that have been carried out, it can be proven that giving Biochar Three In One is effective on the growth of red chilies (Capsicum annum L.). The optimal dose for growth in plant height, number of leaves and plant weight is dose D (administering 45 grams of Biochar Three in One).

Keywords: Biochar Three In One, Dosis, Red Chilies.