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The effect of applying various types of fertilizers on the productivity of herbal chili fruit (*Piper retrofractum* Vahl.) in Bluto District, Sumenep Regency

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ABSTRACT

This study aims to determine the effect of applying the type of fertilizer on the productivity of herbal chilies and to determine the effect of various types of fertilizers on the quality of fresh fruit (wet) and dried fruit chili herbs. This research was conducted in the herbal chili field owned by the late. Mr. Syafi'uddin in Bluto Village, Bluto District, Sumenep Regency. This research was conducted in November 2022 – March 2023. This research used a non-factorial randomized block design (RAK). In this study there were 5 treatments, namely P1 = Cow manure that had been burned 500 grams/plant + Urea 50 grams + SP-36 100 grams/plant (Farmer's Dose), P2 = Cow manure 1000 grams/plant, P3 = Goat manure 1000 gram/plant, P4 = Urea fertilizer 80 gram/plant, P5 = SP-36 fertilizer gram/plant. The results showed that the application of various types of fertilizers to chili herbs had no significant effect on the productivity of chili herbs. Whereas in dry fruit, good results were obtained in treatments P1 and P3, namely 2.42 and 2.39 grams/item.

Keywords: *Productivity, Fertilizer*