

ABSTRAK

Penelitian ini bertujuan untuk mengetahui efektivitas pemberian konsentrasi pupuk organik cair azolla dan konsentrasi terbaik dalam meningkatkan pertumbuhan tanaman cabai merah keriting (*Capsicum annum L.*), untuk mengetahui efektivitas pemberian dosis kompos jerami padi dan dosis terbaik dalam meningkatkan pertumbuhan tanaman cabai merah keriting (*Capsicum annum L.*) dan untuk mengetahui interaksi antara pemberian konsentrasi pupuk organik cair azolla dan dosis pupuk kompos jerami padi dalam meningkatkan pertumbuhan tanaman cabai merah keriting (*Capsicum annum L.*). Penelitian ini dilaksanakan dengan Rancangan Acak Kelompok (RAK) Faktorial, 2 faktor yang diteliti Konsentrasi Pupuk Organik Cair Azolla (A) dan Dosis Pupuk Kompos Jerami Padi (B) dengan 4 taraf yang masing – masing diulang 3 kali. Hasil penelitian menunjukkan bahwa perlakuan konsentrasi pupuk organik cair azolla berpengaruh sangat nyata terhadap peningkatan pertumbuhan tanaman cabai merah keriting dan perlakuan A2 merupakan perlakuan terbaik. Perlakuan dosis pupuk kompos jerami padi memberikan pengaruh sangat nyata terhadap peningkatan pertumbuhan tanaman cabai merah keriting dan perlakuan B4 dengan dosis 625 g/m^2 merupakan perlakuan terbaik. Interaksi antara perlakuan Konsentrasi pupuk organik cair azolla dan Dosis pupuk kompos jerami padi berpengaruh sangat nyata terhadap pertumbuhan tanaman cabai merah keriting yaitu pada parameter berat brangkasan basah tanaman dan berat brangkasan kering tanaman. Interaksi perlakuan A4B4 menunjukkan interaksi perlakuan terbaik.

Kata Kunci : Konsentrasi Pupuk Organik Cair Azolla, Dosis Pupuk Kompos Jerami Padi, Cabai Merah Keriting

ABSTRACT

The aim of this study to determine the effectiveness of adding azolla liquid organic fertilizer concentration and the best concentration to increase curly red chilies growth (*Capsicum annum L.*), to know the effectiveness of rice straw compost dosage adding and the best dose to increase curly red chilies growth (*Capsicum annum L.*) and to determine the interaction between the azolla liquid organic fertilizer concentration and the dose of rice straw compost to increase the growth of curly red chilies growth (*Capsicum annum L.*). This research was conducted with a factorial Randomized Complete Block Design (RCBD), the two factors studied were the Azolla Liquid Organic Fertilizer concentration (A) and the Dose of Rice Straw Compost Fertilizer (B), each of which was repeated 3 times. The study results showed that the concentration of azolla liquid organic fertilizer was a very significantly effect on the curly red chilies growth and A2 treatment was the best treatment. Treatment of rice straw compost dosage was a very significantly effect on increasing of the growth of curly red chili plants and treatment B4 at a dose of 625 g/m² was the best treatment. The interaction between the treatment of Azolla liquid organic fertilizer concentration and the dose of rice straw compost was a very significantly effect on the growth of curly red chili plants, especially in parameters of plant wet stover weight shoot and plant weight shoot. A4B4 treatment interactions showed the best treatment interactions.

Keywords: Azolla Liquid Organic Fertilizer Concentration, Dosage of Rice Straw Compost, Curly Red Chilies