

ABSTRACT

DEBORA (915114071330180. Effect Of Applying Liquid Organic Fertilizer Of Banana Peel On The Growth And Yield Of Curly Red Chilies (*Capsicum Annum L.*), Supervised by Yulinda Tanari and Ita Mowidu.

Curly red chilies are one of the most popular vegetable commodities in Indonesia. Curly red chili is used as a spice in cooking, containing capsaicin which gives food a spicy taste. The demand for curly red chilies continues to increase in accordance with the increasing population. Increasing yield of curly red chilies can be done through the application of liquid organic fertilizer of banana peels. The study aims to determine the effect of liquid organic fertilizer of banana peels on the growth and yield of curly red chilies. The research was conducted in Sintuwulemba village, Lage sub-district, Poso district from June to September 2019. The research method uses a randomized block design (RBD) with 5 treatments and 4 replications. The treatment consisted of control, and each 100 ml / L of liquid organic fertilizer of banana peel of Kepok, Mas, Raja and Tanduk. The results showed that the application of 100 ml of liquid organic fertilizer of Kepok banana peels per liter of water had a significant effect on plant height and number of leaves, and 100 ml of liquid organic fertilizer of Raja banana peels per liter of water has a significant effect on the number of fruit and fresh weight of curly red chilies.

Key words: *curly red chili, banana peel, liquid organic fertilizer.*

ABSTRAK

DEBORA (91511407133018) Pengaruh Pemberian Pupuk Organik Cair Kulit Pisang Terhadap Pertumbuhan Dan Hasil Cabai Merah Keriting (*Capsicum Annum L.*), di bawah bimbingan oleh Yulinda Tanari dan Ita Mowidu.

Cabai merah keriting merupakan salah satu komoditas nabati yang paling diminati di Indonesia. Cabai merah keriting digunakan sebagai bumbu masakan, mengandung capsaicin yang memberi rasa pedas pada makanan. Permintaan cabai merah keriting terus meningkat seiring dengan pertambahan jumlah penduduk. Peningkatan hasil buah cabai merah keriting dapat dilakukan melalui aplikasi pupuk organik cair kulit pisang. Penelitian bertujuan untuk mengetahui pengaruh pupuk organik cair kulit pisang terhadap pertumbuhan dan hasil tanaman cabai merah keriting. Penelitian dilakukan di Desa Sintuwulemba, Kecamatan Lage, Kabupaten Poso pada bulan Juni sampai September 2019. Metode penelitian menggunakan Rancangan Acak Kelompok (RAK) dengan 5 perlakuan dan 4 ulangan. Perlakuan terdiri dari kontrol, dan masing-masing 100 ml / L pupuk organik cair kulit pisang Kepok, Mas, Raja dan Tanduk. Hasil penelitian menunjukkan bahwa pemberian 100 ml pupuk organik cair kulit pisang kepok per liter air berpengaruh nyata terhadap tinggi tanaman dan jumlah daun, dan 100 ml pupuk organik cair kulit pisang raja per liter air memiliki pengaruh yang nyata terhadap tinggi dan jumlah daun. berpengaruh nyata terhadap jumlah buah dan bobot segar cabai merah keriting.

Kata Kunci : *Cabai merah keriting, Kulit pisang raja, Pupuk cair organik*