

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan umbi bibit dan penggunaan macam mulsa dalam meningkatkan pertumbuhan dan produksi umbi kentang varietas Granola. Penelitian dilaksanakan pada bulan April 2012 sampai dengan Juli 2012, di Dusun Junggo, Desa Tulungrejo, Kecamatan Bumiaji, Kota Batu. Rancangan yang digunakan dalam penelitian ini adalah Rancangan Acak Kelompok (RAK) dengan 8 perlakuan yang diulang 3 kali. Hasil penelitian ini menunjukkan penggunaan umbi bibit G4 dengan mulsa mampu memberikan pertumbuhan yang lebih baik daripada penggunaan umbi lokal, kecuali umbi lokal + mulsa plastik hitam perak terhadap jumlah daun, luas daun, indeks luas daun, bobot segar total tanaman, dan indeks panen. Penggunaan umbi lokal dengan mulsa plastik hitam perak, mulsa jerami, dan mulsa daun paitan mampu meningkatkan hasil bobot umbi segar panen masing – masing sebesar 57,38%, 40,62%, dan 39,18% daripada tanpa mulsa. Penggunaan umbi bibit G4 + mulsa plastik hitam perak mampu menghasilkan bobot umbi segar panen 16,72 Ton ha⁻¹ atau meningkat 90,65% daripada tanpa mulsa, dan meningkat 17,91% daripada umbi lokal pada perlakuan yang sama.

Kata Kunci : tanaman kentang, penggunaan mulsa, umbi bibit generasi empat.

ABSTRACT

This research aims to know the influence of the use of seeds and bulbs use of mulch to improve the growth and production of potato tuber varieties of Granola. The research was conducted in April 2011 to July 2012, in the hamlet of Junggo, village Tulungrejo, Kecamatan Bumiaji, Batu city. The method used is the Random Group Design (RAK) with 8 treatment was repeated three replication. The results of this research show is the use of seed tubers G4 with mulch capable of delivering the growth that was better than the use of seed tubers local treatment, except seed tubers local + black plastic silver mulch over the number of leaves, leaf area, leaf area index, fresh total plant weight, and harvest index. 2. the use of a local tuber with black plastic mulch, straw, and leaves paitan is able to improve the results of fresh tuber weight each harvest amounting 57,38%, 40,62%, and% without mulch 39,18. 3. the use of seed tubers G4 black plastic silver mulch capable of generating fresh tuber weight harvest 16,72 Tons ha⁻¹ or increased 90,65% without mulch, and increased local tuber 17,91% than on without treatment.

Key words: potato, the use of mulch, seed tubers generation four.