# 1. INTISARI

Penelitian ini bertujuan untuk mengaji pemberian kompos baglog jamur tiram dan menentukan takaran yang tepat pemberian kompos baglog jamur pada pertumbuhan dan hasil tanaman tomat di tanah regosol. Penelitian ini dilaksanakan di *Green House* Fakultas Pertanian dan laboratorium Fakultas Pertanian Universitas Muhammadiyah Yogyakarta pada bulan Mei 2018 sampai Agustus 2018.

Penelitian ini dilakukan dengan metode eksperimen faktor tunggal yang disusun dalam Rancangan Acak Lengkap dengan 3 ulangan. Perlakuan yang diujikan yaitu perlakuan pupuk kandang 20 ton/hektar (kontrol), kompos baglog jamur 15 ton/hektar, kompos baglog jamur 20 ton/hektar, kompos baglog jamur 25 ton/hektar, dan tanpa pupuk organik. Hasil penelitian menunjukkan pemberian kompos baglog jamur menunjukkan pengaruh terhadap pertumbuhan dan hasil tanaman. Kompos baglog jamur berpengaruh terhadap parameter tinggi,jumlah daun, berat segar tajuk, berat kering tajuk, dan jumlah buah.

Kata kunci : Kompos, tomat, regosol

# 2. ABSTRACT

*This research aims to study of adding the baglog oyster mushroom compost and determine the proper rate of granting compost baglog mushroom on growth and yield of tomato plants in the regosol soil. This research conducted at Green House of Faculty Agriculture and Faculty of Agriculture laboratory of Muhammadiyah University of Yogyakarta in May 2018 until August 2018.*

*This research conducted with a single factor experimental method which was arranged in a Completely Randomized Design with 3 replications. The treatment tested is the treatment of manure 20 tonnes/hectare (control), compost baglog mushrooms 15 tons/ha of compost, mushroom baglog 20 tonnes/ha of compost, mushroom baglog 25 tons/acre, and without organic fertilizer.The results showed the awarding of baglog compost mushroom showed the effect on growth and yield of crops.Baglog mushroom compost to high parameters, number of leaves, fresh weight, dry weight header header, and the amount of fruit.*

***Key words****: Compost, tomato, regosol*