

Abstrak

Mulch is a material that is spread on the ground level with a view to maintain soil moisture, maintain soil organic matter and suppress weed growth and reduce water loss. Chicken manure fertilizer is organic fertilizer fermented solids and liquid (urine) cattle. The purpose of this observation was to determine the effect of kinds of mulch and fertilizer chicken manure on growth and yield of cucumber plants and to investigate the interaction between the provision of a wide mulch and fertilizer chicken manure on growth and yield of cucumber local Madura.

This orservation was conducted is March 2013-May 2013. The place of research in the village District of Dasuk Mantajun Sumenep. The obsertvation used the method Rancangan Acak Kelompok (RAK) factorial. The first factor is the provision of mulch consisting of 3 levels such as without mulch (M0), straw mulch (M1), black plastic mulch (m2), while the second factor is the doses of organic fertilizer that is chicken manure fertilizer is consisting of 3 levels such as without fertilizer organic (P0), chicken manure 10 tonnes/ha (P1),and chicken manure 20 tonnes/ha (P2).

The results checked that there was an interaction between treatment mulching and fertilizer chicken manura to the plant length at age 1 week after planting (MST). Muching treatment doses not give a significantly defferent effect on the parameters of the cucumber crop, while the chicken manure treatment doses were significantly different effect on flower number, fruit weight, fruit diameter,fruit length and fruit number.

Keywords: Mulch, fertilizer chicken manure, cucumber.