

ABSTRACT

EFFECT OF WEED TO GROWTH AND PRODUCTION ON TWO CULTIVAR OF GLADIOL (*Gladiolus hybridus* L.)

By

RIDHO HARDIYAN

The ornamental plant is the one of horticulture product that became popular nowadays. To increase the flower production and gladiol's corm, it could be done by fulfill the plant's nutrition with application of organic fertilizer and choase the cultivar that proper with environment.

This research has a function to : (1) compare the effect of cultivar of weed on growth and production of gladiol, (2) compare the respons of two cultivar of gladiol on each weed on growth and production, (3) knowing the differences the growth and production on two cultivar of gladiol.

This research has been done in Gunung Terang District, Bandar Lampung on Januari to July 2011. This research was arranged by using factorial treatment design 2x4. That arranged on split plot design that arranged on group random design. Level of weed's placed on first plot on wide leaves weed (G1), narrow leaves weed (G2), mix weed (G3) and without weed (G4). The cultivar of gladiol were purple cultivar and Nabila Cultivar placed on tiller's plot.

The result showed that : (1) purpel cultivar resulted that growth of corm's weight higher that Nabila Cultivar, (2) cultivar and weed gave the real effect on cormels number variabel, cormels weight and corm's weight, (3) clean treatment without weed resulted floret's number, flower stem length and corm's weight higher than weed treatment.

Key words : gladiol, cultivar, weed