

ABSTRACT

THE EFFECT OF CHICKEN CAGE MANURE MEASUREMENT AND NUMBER OF PLANTS PER PLANT HOLE ON GROWTH AND PAKCOY PLANT PRODUCTS (*Brassica rapa chinensis* L.)

By
Nada Hasna Pertiwi
185001133

Under the guidance of
Tini Sudartini
and
Darul Zumani

Efforts that can be made to continue to increase pakcoy productivity including by providing manure, and improving cultivation technology by arranging planting taking into account the number of plants per planting hole. Manure is organic fertilizer from fermented solid or liquid manure (urine) which generally comes from mammals or poultry. The purpose of this study was to determine the interaction of chicken manure doses and the number of plants per planting hole on the growth and yield of pakcoy (*Brassica rapa chinensis* L.). This experiment was carried out from Mei to Juni 2023. It will be held in Pananjung Barat Hamlet, Sinartanjung Village, Pataruman District, Banjar City. The experiment carried out uses the experimental method with an experimental design using a 4 x 3 factorial randomized block design (RBD), with 3 replications. Factor I: Dosage of chicken manure consisting of four levels, namely $a_0 = 0$ t/ha, $a_1 = 10$ t/ha, $a_2 = 20$ t/ha, $a_3 = 30$ t/ha. Factor II: Number of plants per planting hole consisting of three levels, namely $b_1 = 1$ plant per planting hole, $b_2 = 2$ plants per planting hole and $b_3 = 3$ plants per planting hole. The research result showed that there was an interaction between the dose of chicken manure and the number of plants per planting hole on plant height, number of leaves, and fresh weight per planting hole.

Keywords: *Brassica rapa chinensis* L chicken manure, number of plant per planting hole