

RESPONSE OF VARIETIES OF ONION (*Allium ascalonicum* L.) TO TYPES OF LIQUID ORGANIC FERTILIZER

By: Fitri Nur Indah Sari
Supervised by: Darban Haryanto and Husain Kasim

ABSTRACT

Shallots are one of the vegetable commodities in the spice group that have high economic value. Factors supporting the success of shallot cultivation are determined by the type of shallot variety and the type of fertilizer used. The aim of this research was to determine the growth and yield response of shallot varieties to various types of liquid organic fertilizer. The research was carried out in February-April 2023 in Caran Hamlet, Sinduharjo Village, Kapanewon Ngaglik, Sleman Regency, Yogyakarta Special Region Province. The experimental design used was a factorial design arranged in a Complete Randomized Block Design (RAKL) with two factors, the first factor was the type of variety and the second factor was the type of livestock urine LOF. The research results showed that there was no interaction between variety and type of LOF. The Bima Brebes variety has an effect on plant height (34.69 cm), tuber diameter (28.2 mm), plant fresh weight (2.93 kg), and plant dry weight (1.30 kg). Cow urine LOF had an influence on plant height (34.20 cm), fresh weight (3.26 kg) and dry weight (1.43 kg).

Keywords: Bima Brebes variety, livestock urine LOF type