

ABSTRACT

Purwanto, Kiki, G.U. Sutarto, Toto, Nurkanti, Mia, 2020. The Effect of Enzact on Growth and Harvest Time Intervals of Broccoli (*Brassica oleracea var italic*),

Broccoli is one of the vegetables from the cabbage family (Brassicaceae) which contains lots of vitamins needed by the human body. This study aims to determine the response of broccoli plants to ENZACT 501 and to determine the appropriate time interval for applying ENZACT 501. This research was conducted in Cihanjuang Rahayu Village, Parongpong District, West Bandung Regency. This study used an experimental method using a completely randomized design (CRD) with 4 treatments and 6 repetitions, the first treatment was A control without giving enzact 501, B giving ENZACT 501 every 3 days, C giving ENZACT 501 every 6 days, and D giving ENZACT 501 for 9 days once. The research data was then analyzed using the SPSS application. The results of the data show that treatment B (giving 3 days of enzact 1 time) is the most influential treatment in improving the quality of weight and harvest time with an average weight of 676 grams and harvest time of 50 DAS. The results of data analysis show that giving ENZACT 501 significantly affects the wet weight of broccoli flowers but does not really affect the harvest speed of broccoli. Based on the results of the calculation of the data, the administration of enzact 501 time intervals of 3 days 1 time was the most effective in the growth and development of broccoli plants.

Key words: broccoli, enzyme, and interval