

DYNAMICS OF N, P AND K PLANT RED CHILI PEPPER (*Capsicum annuum* L.) ON LAND OF ALFISOL IN THE VILLAGE OF JATIAYU KARANGMOJO DISTRICT OF GUNUNGKIDUL

ABSTRACT

The research in the village of Jatiayu Karangmojo District of Gunung Kidul Regency implemented in December 2012 until May 2013 at Alfisol soil types. The aim of research was determined the dynamics of nutrients N, P and K on a red pepper plant at Alfisol in the village of Jatiayu Karangmojo District of Gunung Kidul Regency.

The method of this research was using the case study and the take of sample with purposive method. The analysing of soil samples N - total, P and K available and plant tissues analyzed were N - total, P - total and K -Total, as well as analysis of pH, BV, BO and texture. Samples were taken at 60, 85 and 110 days after planting.

The results showed that the uptake of N, P and K on the age of the plant is 110 HST with 5,76 kg N / ha, P was 4,31 kg / ha and K 1,53 kg / ha with the largest production of red chili is 3.060 kg / ha.

Keywords: Dynamics, Elements N, P and K, Alfisol.