

Pengujian Perbandingan Kompos Kulit Kopi dan Konsentrasi Pupuk Organik Cair terhadap Pertumbuhan Bibit Termbakau Varietas H382 dengan Sistem Pottray.

The experiment Some Growing Medium Compos of Coffee Skin and Concentratio of Organic Liquid Fertilizer on The Growth of on Tobacco Seedling var H382.

Commission guide: Dr. Ir. Nurul Sjamsijah, MP and Ir. Bintoro, MP.

Faridatul Hasanah

Study Program of Seed Production Technique

Majoring of Agricultural Production

Program Studi Teknik Produksi Benih

Jurusan Produksi Pertanian

ABSTRACT

*The aims of this experiment was to study the effect of some growing medium and concentration of organic liquid fertilizer on the growth of on Tobacco seedling has been done in State Polytechnic of Jember. This research is conducted for 4 months from December 2016 until March 2017. The parental *Nicotiana tabacum* L seed var Na-Oogst H382. The research using a completely Randomized Block Design are composed of two factors growing medium and concentration of organic liquid fertilizer. Every factors consist of three treatments growing medium: soils : compos : sand (1:1:1), soils : compos : sand (1:2:1), soils : compos: sand (1:3:1) and with treatment three concentration of organic liquid fertilizer: 2,5 ml/l (P1), 5 ml/l (P2) and, 7,5 ml/l (P3). There are nine combinations of treatment, data were analyzed using analysis of variance (ANOVA) and further tested using at 5% level complate research design factorial is used, and continued with Least Significant Difference Test Method at 5% for data analysis. The best seedling growth was obtained in the treatment concentration of organic liquid fertilizer 7,5 ml/l (P3) with the growth seedlings showed significantly different effect in foliar parameter. The value of parameter height of plant (19,71 cm), wide leaf (6,61 cm), long leaf (11,87 cm), leaf area (117,78 cm²), and wet weight (6,69 g).*

Key words : Concentration of organic liquid fertilizer, Growing Medium