

EFFECT OF PLANTING MEDIA COMPOSITION ON GROWTH
BESUKI NA OOGST TOBACCO VARIETY H382 IN THE COOPERATIVE
AGRIBUSINESS OF TARUTAMA NUSANTARA JEMBER

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ABSTRACT

Tobacco is one of the plantation commodities in East Java which has an important role in regional and national economic development. The problem that often arises is the decline in land productivity due to less fertile land. Decreasing soil fertility is related to poor physical conditions and imbalance in nutrient availability and affects tobacco production and quality. Therefore, the use of planting media is also very necessary in the cultivation of Besuki Na-Oogst tobacco. The planting media used determines the nutrient requirements for plants and creates a supportive growing space. The nursery media for the nursery of tobacco plants uses top soil, husk, and cocopeat. This research was conducted from June to December 2019 at the Greenhouse of the Tarutama Nusantara Agribusiness Cooperative, Jember. This research was conducted using a non-factorial completely randomized design. The treatment given was the ratio of planting media consisting of 3 levels, namely P1 = 10 liter / polybag classification: 10 liter husk / polybag (50%: 50%), P2 = 10 liter husk / polybag: 10 liter Cocopeat / polybag (50% : 50%), and P3 = Top Soil 20 liters / polybags. The results showed that the composition of the planting medium had a very significant effect on plant height at the age of 28, 35, 42, and 49 DAS, leaf area and leaf chlorophyll, and there was no significant difference in plant height at 14 and 21 DAS. The treatment with the highest or best mean was P2 treatment, cocopeat media + husk.

Keyword : cocopeat, husk, tobacco