

**Respon Pertumbuhan Bibit Kopi Arabika Dengan Pemberian Kompos Kulit Kopi dan Asam Humat.** (*The Growth Response of Arabica Coffee Seeds by Giving Coffee Husk Compost and Humic Acid*). Commission guide : Ir. Moh. Bintoro, MP and Dr. Ir. Nurul Sjamsijah, MP.

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## ***ABSTRACT***

Good quality seeds are determined by growing media which is able to continually provide nutrients to the seedling growth. Recycling coffee husk compost and humic acid is one of the efforts to utilize growing media in nurseries process. This research was conducted within 3 months, starting from November 2016 to February 2017. It was conducted at the experimental fields of Seed Technology Laboratory in Politeknik Negeri Jember. This research used Randomized Complete Block Design with a factorial design, which has two factors. The first factor consists of the composition of coffee husk compost, it was Sand : Top Soil : Coffee Husk Compost in the ratio 2:1:1, Sand : Top Soil : Coffee Husk Compost in the ratio 2:1:2, Sand : Top Soil : Coffee Husk Compost in the ratio 2:1:3. Then, the second factor is by giving humic acid to the nursery media as much as 25, 50 and 75 grams / polybags. The results of this research showed that the used of coffee husk compost significantly affected seedling height, leaf amount, leaf length, leaf width, wet weight of seed, dry weight of seed, and root length. The giving of humic acid showed the obvious effect to the parameters of seedling height, wet weight of seed and dry weight of seed. A growing number of coffee husk compost and humic acid had only increased the parameters of seedling height and leaf length.

***Key words:*** *Coffee Husk Compost and Humic Acid*