

Respon Pertumbuhan Bibit Kopi Robusta (*Coffea canephora*) Asal Setek dengan Penambahan Pupuk Hayati Mikoriza Arbuskula (*The Growth Response of Robusta Coffee Cuttings (Coffea canephora) with Addition of Arbuskula Mycorrhizal Biofertilizer*) Supervised by :

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ABSTRACT

Coffe is one of important cultivation crop. The good coffe plant produce good quality of seed. Arbuskula Mycorrhizal Biofertilizer addition use to improve the coffe growth on dry land. This research aims to determine the proper and effective dose on coffe seed growth in polybag. This research was conducted at Green house of State Polytechnic of Jember in September 2018 to February 2019. This research was using Randomized Complete Block Design (RCBD) non factorial. The treatments were dose of Arbuskula Mycorrhizal Biofertilizer consisted control (P0), 5 gr/plant (P1), 10gr/plant (P2), and 15gr/plant (P3) with 6 replications. The result of this research shows that application of Arbuskula Mycorrhizal Biofertilizer is non significant effect on all parameters, it is because Arbuskula Mycorrhizal fungus are work optimally on dry and low nutrient land, whereas the media used in this research is contain sufficient water and nutrient.

Key words : Arbuskula Mycorrhizal, Coffe Plant Growth, Robusta Coffe