AKLIMATISASI PLANLET PISANG CAVENDISH PADA BERBAGAI JENIS MEDIA

INTISARI

Tanaman pisang termasuk komoditas buah penting di Indonesia baik dalam luasan lahan maupun produksinya. Selain itu, budidaya dengan teknik kultur jaringan menghasilkan multiplikasi yang tinggi, secara genetik seragam, bahan tanamnya bebas hama dan penyakit. Keberhasilan proses aklimatisasi dipengaruhi komposisi media tanam, agar tumbuh dengan baik planlet pisang Cavendish memerlukan kandungan unsur P dan K yang cukup selama proses aklimatisasi. Berdasarkan hal tersebut kombinasi kompos daun bambu sebagai media tanam diharapkan mampu memenuhi kandungan unsur hara. Penelitian ini bertujuan untuk mengetahui jenis media tanam yang terbaik bagi pertumbuhan pisang Cavendish. Penelitian dilaksanakan dari 30 Agustus 2019 – 4 Oktober 2019 dengan menggunakan Rancangan Acak Lengkap faktor tunggal. Yaitu, Kompos Daun Bambu + Pasir malang (1:1), Kompos Daun Bambu + Arang Sekam (1:1), Kompos Daun Bambu + *Cocopeat* (1:1) dan Kompos Daun Bambu + Tanah Aluvial (*top soil*) *(*1:1). Setiap perlakuan diulang 3 kali, dengan diperoleh 12 satuan percobaan dan setiap satuan percobaan terdiri dari 3 sampel tanaman sehingga terdapat 36 tanaman. Hasil penelitian menunjukkan tidak ada pengaruh nyata dan interaksi pada berbagai jenis media.

Kata Kunci*: Aklimatisasi, pisang Cavendish, jenis media.*

CAVENDISH BANANA PLANLET ACCLIMATIZATION ON VARIOUS TYPES OF MEDIA

ABSTRACT

Banana is one of important fruit commodities in Indonesia in both land and production area. In addition, cultivation with tissue culture techniques produce a high multiplication, genetically uniform, pest and diseases resistant. The success of the acclimatization process influenced by composition of planting media. In order be well-grown, cavendish banana plantlets require sufficient of P and K elements during the acclimatization process. The research was aimed to determine the best type of planting media on growth of cavendish banana. The research was started from August 30th to October 4th 2019 with single factor of Complete Randomized Design. The treatments were; bamboo leaf compost + Malang sand (1:1), bamboo leaf compost + charcoal husk (1:1), bamboo leaf compost + cocopeat (1:1) and bamboo leaf compost + alluvial soil (top soil) (1:1). Each treatment was replicated 3 times, thus there were 12 units of trial obtained and each unit consisted 3 samples and there were 36 plants in total. The results showed there were no significant influence on various type of planting media.

Keywords*: acclimatization, banana Cavendish, type of media.*