**Abstract ID: CPT0103**

**Abstract Title: Effect of Selected Commercial Rooting hormones on Air-Layering of Jackfruit (*Artocarpus* *heterophyllus* Lam.)**

**Comment 01:**

In this study, the effects of rooting hormones were evaluated on the air-layering of jackfruit. However, the authors discussed the success of air-layering in selected jackfruit varieties rather than the effectiveness of the selected rooting hormones in the success/ effectiveness of the tested parameters. Thus, I would suggest re-writing the following facts in the abstract considering the objectives of the study and the title of the study.

"Diameter of root primordia is significant in “Farther Long” “Maharagama” and “Hirosa” varieties. Both callus diameter and root primordia weight significant in “Hirosa”. Number of root primordia is significant in all three varieties. Callus weight is significant only in “Hirosa” (p<0.05). It is concluded that plant fix can recommend for “Maharagama”, “Farther Long” and “hirosa” varieties."

**Comment 02:**

"The sexual propagation is the main vegetative propagation method" - how does sexual propagation become under vegetative propagation? Vegetative propagation is an asexual method of plant reproduction. Please, correct the sentence.

**Comment 03:** the following sentence is revised.

"Air layering is a method of propagating a plant by cutting off part of the aerial stem and encouraging root formation by packing the area with a moist medium." - original sentence

"Air layering is a plant propagation technique in which a plant stem is wounded with a girdle stem and enclosed the wounded stem with a moist rooting medium until adventitious roots develop from the wounded area." - revised sentence

**Comment 04:**

The Plant fix (25mL+distilled water), Roocta (0.5g+distilled water) and control (distilled water) - what is the amount of distilled water used in dilution/ mixing? It is better to use the same unit for the concentrations of rooting hormones (you can convert into one unit for both hormones), maybe in ppm or mg.L-1.

**Comment 05:**

"Three rooting hormones were tested..." - there were only two hormones, please revise the sentences. Maybe as "three treatments were tested (including the control with distilled water)"

**Comment 06:** I would suggest changing the keywords as;

Adventitious rooting, Air-layering, Jackfruit, Rooting hormones, Vegetative propagation.

ere .... ().