

ABSTRACT

The title of this research is the manufacture of nutrients and organic bokashi media and their application to the growth of the Philodendron Hederaceum Lemon betel ornamental plant. Philodendron Hederaceum Lemon betel ornamental plant comes from leaves that can be arranged to beautify the environment to be artistic, aesthetic, and attractive. Nutrients and bokashi media are planting media and liquid fertilizers based on biotechnology and organic for the growth of Philodendron Hederaceum Lemon betel ornamental plants so as to obtain information about which formulation treatment is the best and obtain maximum growth of Philodendron Hederaceum Lemon betel ornamental plants. This study uses a quantitative approach, descriptive method. The study was conducted with a randomized block design consisting of 8 treatments and 4 repetitions with a total of 32 samples. The treatments given were K1 roasted husks, cocofeat, raw husks, compost, livestock manure (latest media) plus nutrients of types A, B, and C. P1.1 up-to-date media and roasted husks plus nutrients of types A, B, and C. P1 .2 up-to-date media and roasted husks were not given nutrients. P2.1 up-to-date media and cocofeat plus nutrients of types A, B, and C. P2.2 up-to-date media and cocofeat without nutrients. P3.1 up-to-date media and raw husks plus nutrients of types A, B, and C. P3.2 up-to-date media and raw husks were deprived of nutrients. K2 current media is not given nutrients. Data analysis techniques used are normality test, homogeneity test, and analysis of variance test. The results showed that the growth parameters which included stem length, leaf width, leaf height, number of leaves, and number of roots obtained results of 0.920, 0.049, 0.009, 0.241, 0.579 which means Sig (p value) < 0.05 then Ha or alternative hypothesis is accepted. for each parameter and proved that the application of nutrients and organic bokashi media had a significant effect on the growth of Philodendron Hederaceum Lemon betel ornamental plants.

Keywords: Nutrients, Bokashi Media, Organic, Philodendron Hederaceum Lemon.