THE EXPERIMENTAL DESIGN ANALYSIS OF THE INFLUENCE OF PLANTING MEDIA FORMULA AND HARVEST TIME TOWARD THE FRESH WEIGHT OF WHITE SHELL MUSHROOM
(A Case Study Using Three Kinds of Formula to White Shell Mushroom’s Planting Media)

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ABSTRACT

Indonesian farmers have big chance to be the producer as well as vendor and exporter of mushroom in the domestic or international market. The mushrooms need to plant more seriously with the implementation of advance technology and the intensive manufacture. So that it need to know which condition that optimal in the shell mushroom cultivation based on the planting media formula factor also harvest time factor. The experiment design used in the weight of shell mushroom research is the two factor-complete random design to the fresh is the optimal condition in the shell mushroom cultivation is formula C factor with the harvest morning, afternoon and dusk (because there is no significant difference of the three harvest time). Besides formula C needs the highest operational cost, but can generate the profit of 223.3%. The composition of formula C ingredient are 100 gram of wood powder, 100 gram of bran, 50 gram of calcium carbonate, 10 gram of calcium sulfate, 50 gram of tapioca and 5 gram of fertilizer SP 36.

Keywords : RAL Factorial, ANOVA, Shell Mushroom