ABSTRACT

JUDUL ***: PRODUCTIVITY OF STRAW MUSHROOMS (VOLVARIELLA VOLVACEAE) ON PALM OIL EMPTY BUNCH GROWING MEDIA WITH DIFFERENT MOLDING METHODS***

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Merang mushroom (Volvariella volvacea) is generally cultivated using rice straw media (merang), but the availability of straw which is also used as animal feed is often an obstacle in providing planting media. In addition, the use of straw without a mixture can cause a lack of cellulose needed for mushroom growth. Empty palm bunches (TKKS), as a waste of the palm oil industry that is rich in cellulose, has the potential to be an alternative growing medium for merang mushrooms. This study aims to determine the effective working time in preparing growing media for merang mushrooms. After conducting the research, it was found that the effective working time for the preparation of planting media for the gludanblog method was 53.59 minutes while for the basket method it was 36.00 minutes, the productivity of merang mushrooms produced through placement in baskets was 3.61% and the gludanblog method was 6.6%, the chemical content of mushrooms in the gludanblog method was obtained (water content 89.42%, fat content 0.83%, fiber content 1.81%, carbohydrate content 6.56%, and protein content 2.00%). 00%), for the chemical content of mushrooms from the basket method (water content 89.00%, fat content 0.94%, fiber content 1.96%, carbohydrate content 6.75%, and protein content 2.32%), the level of organoleptic acceptance of the duo trio test in the gludanblog method obtained the results of color differences in Merang mushrooms from the gludanblog method of naturally grown Merang mushrooms while in aroma and shape there is no difference.