The research performed on September 2, 2005 until October 4, 2005 was located on Experimental Farm and on the livestock nutrition science laboratory of the animal husbandry and fishery Faculty of Muhammmadiyah University of Malang.

The aim of this research is to know the influence of using the Button Mushroom (Agaricus bisporus) flour waste with rations toward the protein content and the broiler meat fat. The research material used the broiler strain MB 202 (Platinum) which is produced by PT. MULTIBREEDER ADIRAMA INDONESIA Tbk. As much 72 broilers consist of the rooster and horn which are divided on 24 flocks. The woof used is mixed of Button Mushroom flour waste and the corn woof material, BR 1, Soybean meal, fish flour, lime and oil which were formulated being woof for starter and finisher periods. The program which was used in the form of the comprehensive random program and the data were analyzed with variant analysis. The treatment on the Button Mushroom flour waste that was divided on four ways is that 0 %, 3 %, 6 %, and 9 %. With repetition of each treatment as much as six times, where was in every flocks consist of three broilers. The research method which used is experimental method.

The mean research result of broilers – chest protein content on the T0 = 17,72 %; T1 = 18,30 %; T2 = 18,62 %; T3 = 18,38 % treatment. The mean of broilers – chest fat content on the T0 = 2,40 %; T1 = 2,22 %; T2 = 2,26 %; T3 = 2,23 % treatment. Based on the statistic analysis, the use of Button Mushroom flour waste influential not evident (P > 0,05) toward protein content and the broiler meat fat.

The conclusion of this research is the used Button Mushroom flour waste (Agaricus bisporus) on rations has influential not evident toward the protein content and broiler fat. It’s suggested that the broiler breeder use ration on the Button Mushroom flour waste with 9 percent percentage, because the economical cost can reached the same result. This can be observed by deriving the use of each woof raw material with in rations which will be able to keep the production cost down.