Title Changes in quality of *Phellinus gilvus* mushroom by different drying methods

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Abstract

This study was conducted to investigate the changes in characteristics of the *Phellinus gilvus* mushroom as influenced by drying methods after harvest. The lowest weight loss rate of *P. gilvus* mushroom was 75.8% with drying in the shade and 80% by dryer (60°C). The size loss rate of pileus was 19.3% of that in a hot air dryer (60°C). The hardness of dried material context using a hot air dryer (60°C) was the lowest (20 kg/cm^2), and that by a dry oven (60°C) was the highest (457 kg/m^2). For ΔE value, 4.9 of context and 2.6 of tubes using drying in the shade (20°C) were found to be the lowest. The survival rate of sarcoma 180 treated with *P. gilvus* dried in the sun was the lowest (51.8%), and this was considered the most effective method for antitumor activity against sarcoma 180.