

Jurnal Ilmiah
FARMASI

(Scientific Journal of Pharmacy)



JURNAL ILMIAH FARMASI
(SCIENTIFIC JOURNAL OF PHARMACY)

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Dekan Fakultas Matematika dan Ilmu Pengetahuan Alam
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AKTIVITAS ANTIOKSIDAN CENDAWAN SUKU PLEUROTACEAE DAN POLYPORACEAE DARI HUTAN UI

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ABSTRACT

Six mushrooms, *Lentinus sajor-caju*, *Lentinus* sp, *Panellus* sp. *Polyporus grammacephalus*, *Polyporus* cf *floccipes* and *Pseudopiptoporus* sp (Pleurotaceae and Polyporaceae Family) were used to study antioxidant properties. Ethanolic extract of the mushrooms showed scavenging ability on 1,1-diphenyl-2-picrylhydrazil (DPPH) radical. In the thiocyanate method, there is no significant inhibition of lipid peroxidation activities between samples and positive controls. Phytochemical identification on ethanolic extract of *Pseudopiptoporus* sp showed that terpenes were the major component. This finding suggested that terpenes are responsible for antioxidant activity.

Keywords: Antioxidant activity, DPPH, Pleurotaceae, Polycarpaceae, Thiocyanate method