

Aktivitas Antioksidan Ekstrak Tubuh Buah Jamur Paha Ayam (*Coprinus comatus*) dengan Pelarut Berbeda

Title	Aktivitas Antioksidan Ekstrak Tubuh Buah Jamur Paha Ayam (<i>Coprinus comatus</i>) dengan Pelarut Berbeda
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Abstract	<p><i>Coprinus comatus</i> or with local name is <i>isf</i> drum stick chicken mushroom that includes edible and medicinal mushroom. This mushroom contains bioactive compounds that have several pharmacological effects, like as antibacterial, anticancer, immunomodulator, anti-inflammatory, prevent diabetes and antioxidant. bioactive compounds includes in fruit body <i>C. comatus</i> can be obtained by extraction used solvent. The objective of this study was to determine whether the <i>C. comatus</i> fungus was potential as an antioxidant producer and to know which solvent produced the best antioxidant activity from the extract of the fruit body of <i>C. comatus</i>. The method used in this research is experimental with two treatments ie n-hexane and ethanol 70% solvent. Fruit body of <i>C. comatus</i> is extracted by maceration method, then the viscous extract obtained by phytochemical test and antioxidant activity test using DPPH method (1,1-diphenyl-2-picrihidazil). The results obtained are then analyzed using t-test for independent samples. The results showed that the average yield of ethanol extract 70% higher than n-heksan <i>isf</i> were each 61.33% <i>isf</i> \pm 9,21 and 14.8% <i>isf</i> \pm 0,87. The test of total phenol extract ethanol was 70% higher than n-hexane , each with an average of 325,19 ppm <i>isf</i> \pm 50,01 and 110,08 ppm <i>isf</i> \pm 34,67. The result of antioxidant activity test using DPPH method of ethanol extract 70% and n-heksan has IC50 value 2,48 mg/ml and 3,86 mg/ml. Phytochemical test results for flavonoid test showed positive result for both samples extract, terpenoid test showed positive result in both samples , the tannin test showed negative results <i>isf</i> in both samples.</p>
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