

POTENSI EKSTRAK ETIL ASETAT *Coprinus comatus* TERHADAP KADAR UREUM DAN KREATININ PADA TIKUS PUTIH MODEL DIABETES

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Abstract	<p><i>Coprinus comatus</i> or chicken drumstick mushrooms has potential as antioxidant and antidiabetic. Hyperglycemia in people with diabetes mellitus causes an increase in Reactive Oxygen Species (ROS). Pancreatic β cells have less antioxidants than other organs. This causes oxidative stress which triggers a chain reaction of lipid peroxidation which damages the kidneys and disturbs the glomerular filtration rate. Impaired glomerular filtration rate is characterized by increased levels of urea and creatinine. Flavonoids in <i>C. comatus</i> are able to donate H + and stop lipid peroxidation reactions in the kidneys, so that urea and creatinine levels decrease. This study aims to determine the effect of <i>C. comatus</i> ethyl acetate extract on blood urea and creatinine levels in diabetic rats and to determine the effective dose of <i>C. comatus</i> ethyl acetate extract on blood urea and creatinine levels in diabetic rats. This study used an experimental method based on a completely randomized design (CRD). The data obtained from the measurement of urea and creatinine levels were analyzed using the one way Anova statistical test at the 95% confidence level and followed by Duncan's test at an error rate of 5%. The results of this study indicated that the ethyl acetate extract of <i>C. comatus</i> affected the blood urea and creatinine levels of diabetic rats. <i>C. comatus</i> extract at a dose of 500 mg/kgBW is an effective dose that has an effect on reducing levels of blood urea and creatinine in the amount of 16,66 \pm 0,00 mg/dL dan 0,40 \pm 0,12 mg/dL.</p>
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Author	Dr Dra NUNIEK INA RATNANINGTYAS, M.S