



Antioxidant and Hepatoprotective Effect of Black Cincau (*Mesona palustris* BL) Supplement Againsts Oxidative Stress in Rats

Tri Dewanti. Widyaningsih¹, Betty Teodora F. Sari^{2*}

¹Food Science and Technology Department , Faculty of Agricultural Technology, Brawijaya University, Malang 65145, East Java-Indonesia

²Master Degree Student of Food Science and Technology Department , Faculty of Agricultural Technology, Brawijaya University, Malang 65145, East Java-Indonesia

Abstract : The purpose of this study was to determine the antioxidant activity and hepatoprotective effect of black cincau supplement againsts ethanol induced oxidative stress in Rats liver. The research was divided into five treatment groups, namely negative group, positive group, black cincau dose 1, black cincau dose 2, and commercial group. The parameters observed were levels of MDA, SOD, SGPT, and SGOT. Wistar rats induced by alcohol 20% as much as 10 ml/kg/BW (Body Weight) for 2 weeks, and they were made in a state of oxidative stress.

The results showed that treatment with black cincau supplement at a dose of 135 mg/kg/BW per day per mouse had higher hepatoprotective effect than the dose of 90 mg/kg/BW per day per mouse. Histopathology and the percentage of liver cell damage, black cincau supplement group dose of 135 mg/kg/BW and commercial supplement of acai of 135 mg/kg/BW show a protective effect against liver cell damage induced by ethanol.

Keywords : Black Cincau (*Mesona palustris* BL), Supplement, MDA, SOD, SGPT, SGOT.

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