

**ANTIOXIDANT ACTIVITY OF EXTRACT KORO BEAN SWORD
(*Canavalia ensiformis*) BY USING METHODE 1,1-diphenyl-2-picrylhydrazil
(DPPH)**

Abstract

The aim of this research is to understand about antioxidant activities from various koro bean fraction using DPPH method. Research method have been done by three step, i.e; the first step was made koro bean flour, the second step was separated active compound in fraction koro bean flour and the third stage was analysed antioxidant activities from various fraction koro pedang bean and antioxidant activities was be avowed on IC₅₀ or retardation. The trial research have been conducted by antioxidant activities with 1,1-diphenyl-2-picrylhydrazil (DPPH) method and phytochemical test. The result of this research are shows that methanol fraction IC₅₀ value, ethyl acetate fraction, *n*-hexane fraction and water fraction from koro bean respectively are 2648;94, 303;54, 2433;06, dan 2400;71 ppm. Those result shows that on the four fraction which is tested have weakness antioxidant activities due to above 200 ppm.

Keywords : Antioxidant, 1,1-diphenyl-2-picrylhydrazil (DPPH).