

ABSTRACT

ANTIOXIDANT TEST OF 50% ETHANOL EXTRACT OF ROSEMARY (*Rosmarinus officinalis L.*) LEAVES WHITE DIGESTION EXTRACTION USING THE DPPH METHOD

Aulia Asmadita

This study aims to determine the antioxidant activity of rosemary extract using the DPPH method. The extract was made by digestion using 50% ethanol as solvent. The antioxidant test carried out by spectrophotometry UV-Vis. Ascorbic acid was used as comparison on the antioxidant activity. The result of free radical scavenging activity is expressed by the IC₅₀ value. The results of indicated that the IC₅₀ value of rosemary extract is 42,3453 ppm while ascorbic acid is 5,0504 ppm. it can be concluded that rosemary extract has strong antioxidant activity. While the IC₅₀ value of ascorbic acid has very strong antioxidant.

Keywords : *Rosemary, Antioxidant, Digestion, DPPH, Ascorbic Acid*