

ABSTRACT

PRECISION TEST OF DETERMINATION ANTIOXIDE ACTIVITIES OF DPPH METHOD WITH METANOL SOLVENT TO ASCORBIC ACID

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Antioxidant are compounds that can inhibit reactive species and also free radicals so that antioxidants can prevent diseases related to free radical. Research design started by using dpph solution 40 ppm and ascorbic acid 100 ppm which from that 100 ppm is made concentration 1,2,3,4,5 ppm, then the absorbance was measured at a predetermined maximum wavelength. The result of the antioxiide activities were obtained precision precision with a very strong category, expressed by the value IC50 6,7206 SD 0,0724 and RSD 1,078%, less or smaller than 2%, concluded that it has good precision. Further research was carried out using different standard, different spectrophotometric instruments from other laboratories.

Keyword : dpph methode, ascorbic acid, precission test