

## **ABSTRACT**

### **LOD AND LOQ TEST DETERMINATION OF ANTIOXIDANT ACTIVITY OF DPPH METHOD WITH METHANOL SOLVENT AGAINST ASCORBIC ACID**

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This study aims to determine the validation of methods on antioxidant activity using methanol solvent ascorbic acid with the DPPH method. The test was carried out by making DPPH concentrations of 20, 30, 40, 50, 60 ppm and ascorbic acid solution 1 ppm and replicated 3 times and then measured the absorbance with maximum wavelength using Uv-vis Spectrophotometry. Optimization was obtained at maximum wavelengths  $\lambda$  517 and  $\lambda$  516. The results obtained by each replication can be averaged following the LOD value which is 1.716645722 ppm which can still be detected and the LOQ value which is 5.722152408 ppm shows the results of the concentration can be analyzed quantitatively.

*Keywords : DPPH, ascorbic acid, Methanol, UV-Vis spectrophotometri*