

**The Effect of *Filler* Addition on The Levels of Flavonoid and Total Tannin of White Saffron Extract Powder (*Curcuma manggo* Val.)**

**ABSTRACT**

The use of spices for cooking spices and in the traditional medicine industry has been found on the market, one of which is white turmeric. White Kunir as a natural antioxidant is used as an antidote to free radical compounds that are toxic to the surrounding biological molecules. Flavonoids and tannins as antioxidants have the ability to inhibit reactive free radicals.

This study used a Completely Randomized Design (CRD) with a factor of the addition of white turmeric powder (100, 200, 300, 400, 500, 600, 800 and 1000 g). The resulting white turmeric extract powder was analyzed for water content, flavonoid levels and tannin levels.

The results showed that variations in filler addition to extracts of white turmeric powder did not give a significant effect on moisture content, flavonoid levels and tannin levels.

Keywords: white turmeric, filler, flavonoids and tannins