

## Antioxidant potential ingredient of kecombrang plants (*Etlingera elatior*)

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<b>First Author</b>	
<b>Last Author</b>	
<b>Authors</b>	Naufalin, R; Sutrisna, E; Wicaksono, R;
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<b>Citation</b>	1
<b>Abstract</b>	<p>Kecombrang (<i>Etlingera elatior</i>) is a plant that has been widely known and used by humans as food and medicine. The stems, leaves, and rhizomes of kecombrang as well as flowers contain bioactive compounds such as polyphenols, alkaloids, flavonoids, steroids, saponins and essential oils which have a potency as antioxidants. This study aims to determine the effect of the parts of kecombrang plants and the type of fraction extracted from the part of the kecombrang plant on the total phenol, antioxidant activity and physicochemical properties of the preparation. This study used a completely randomized design (CRD) with 8 combinations with 4 replications to obtain 32 experimental units. The factors tested included fragmented plant parts, namely flowers, stems, leaves, and rhizomes, and the types of stratified extraction fractions, namely ethyl acetate, and ethanol. The variables observed included physicochemical properties, total phenol and antioxidant activity of kecombrang preparations. Data were analyzed by analysis of variance (F test) followed by DMRT 5%. The results showed that the total value of phenol and the highest antioxidant activity was the part of kecombrang stems fractionated using ethanol, namely 15,894.07 mg/100g and 89.12%, respectively.</p>
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<b>Author</b>	Dr RIFDA NAUFALIN, S.P