

**ANTIOXIDANT ACTIVITY OF WATER CELERY (*OENANTHE  
JAVANICA*) AS MEDICINE POTENTIAL**

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## ABSTRACT

### ANTIOXIDANT ACTIVITY OF WATER CELERY (*OENANTHE JAVANICA*) AS MEDICINE POTENTIAL

Water celery (*Oenanthe Javanica*) is use an herb and medicinal plant that has numerous health benefits. The phytochemical composition of this plants, which is quite diversified, has the potential to be exploited in different fields. The purpose of this study was to investigate the phytochemical content and antioxidant activity of water celery aerial parts as medicine potential using maceration extraction method. The phytochemical analysis method was used to determine the compound utilizing the qualitative criteria of flavonoid, alkaloid, saponin, while DPPH analysis is used to determine antioxidant activity. The findings revealed that water celery had significant amounts of flavonoid, saponin, and alkaloid chemicals. The antioxidant activity assay showed that water celery methanol extract contained a significant level of antioxidant, with an IC<sub>50</sub> value of 12.4135 ppm. These findings indicated that the aerial part of water celery contain antioxidants.

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