

# Determination of the metal content and some nutritional values of *Enhydra fluctuans* Lour, Kanapaw

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## Abstract

The present research deals with the determination of the metal content and some nutritional values of *Enhydra fluctuans* Lour, (Kanapaw) sample from Thonze, Thayarwaddy Township, Bago Region. By using appropriate reported analytical methods based on the dry weight, the nutritional values such as moisture, ash, fiber, fat, protein, carbohydrate contents and energy values of the sample were 13.10%, 14.08%, 12.73%, 2.21%, 22.32% and 35.56% respectively. According to phytochemical tests alkaloids, carbohydrates, glycosides, phenolic compound, flavonoids, steroids,  $\alpha$ - amino acid, reducing sugar, tannins and saponins were present in selected sample. However terpenoids were not detected. The elemental analysis of sample was determined by AAS and EDXRF methods. The macro minerals calcium and iron while the micro elements zinc, lead and manganese were found to be present in Kanapaw.

**Keywords:** *Enhydra fluctuans* Lour, nutritional values, phytochemical tests, EDXRF and AAS

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