

**DETERMINATION OF THE TOTAL ANTIOXIDANT CAPACITY
AND TOTAL ANTHOCYANIN CONTENT OF GUNDELIA
TOURNEFORTII (L.) ROOTS OF METHANOL EXTRACTS**

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Gundelia tournefortii (L.) a medicinal plant that grows spontaneously in high places of the mountains, steep rocky areas. It is from Asteraceae family. *Gundelia tournefortii* L. has therapeutic uses in traditional medicine. For example; treatment of liver diseases, inflammation, antiparasitic effect for digestive system oral, heart stroke, diabetes, gastric pain, diarrhea, bronchitis. In this study; aim that its total antioxidant capacity was to determined by the Cuprac ABTS, DPPH methods. Total anthocyanin content was to determinate by the method. Plants were obtained from a bazaar in Elazig. Plant samples 1/10(g /ml) ratio was extracted with methanol. Analysis was performed with the Jasco V-530 UV spectrophotometer, the concentration ranges different in the antioxidant capacity was found from the slope of the calibration line concerned As a result; Antioxidant capacity cuprac method for 3,506 ±0,042 mg of Gallic acid equivalent/1gr fresh food, for ABTS method 5,59 ± 1,36 mg of Trolox equivalent/ gram, for total anthocyanin content 0,467 mg of cyanidin-3-glucoside equivalent/L were calculated.

Keywords: *Gundelia tournefortii*(L.), antioxidant capacity, total anthocyanin content

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