

Mashhad- Iran



EFFECT OF HIGHNESS ON ANTIOXIDANT ACTIVITY IN MELISSA OFFICINALIS L.

Mobarake Andalib, ',* Mahmood Asadi, ' Mohammad Hossien Fotokian '

[†]Azad University Tonekabon, Tonekabone, Iran [†]Plant Science Department, Azad University Tonekabon, Tonekabone, Iran [†]Agriculture College, Shahed University, Tehran, Iran E-mail: Mobarakehandalib@yahoo.com

Plant rich source of phenolic compounds are the most important natural antioxidants have been reported to prevent oxidative damage caused by free radical [1 , 1]. lemon balm (*Melissa officinalis* L.), member of Lamiaceae (formerly Labiatae) family, is one of the important medicinal plant species, this species originates from southern Europe, Asia Minor and southern parts of North America[1 , 1]. The aerial parts of *Melissa officinalis* L. were collected from 1 regions (Nashtarod, Tosakoti, Emamzadeh Ghasem, Balas Dohezar) in mazandaran and they were dried. In this study, the antioxidant activity of methanol extracts was prepard from aerial parts of *M. officinalis*. The antioxidant activity was measured by DPPH assy. Our results have showed that the higher level of antioxidant activity was in 1 · · · m (Balas Dohezar). There were significant differences in different highness in antioxidant activity (1).

References

- [1] Shui, GH.; Leong, LP. J. ChromatogrA. Y., 9, 1.77; 94_48.
- [Y] Sharareh, N.; Vahid, R. International Research Journal of Applied and Basic Sciences Y.IT; Y(T): 9.1.911.
- [7] H, Rostami.; M, Kazemi.; S, Shafiei, Asian Journal of Biochemistry 7.17, DOI: 1.
- [*] Reyhan Bahtiyarcabagdat, J. of Fac. Of Agric., Y., 7)(1): \\9-\\1.