The most Salvia species are used as a traditional herbal tea in some Mediterranean countries. It has been collected from their natural habitat. Total phenolic substance, flavonol amounts, antioxidant capacity and antiradical activity values of sage extracts were determined as 51.19-118.13 mg Gallic Acid Equivalent (GAE)/gm, 820.71-1000.65 μg RE/gm, 67.26 to 138.44 mg AAE, and 725.19 – 815.56 IC50 = μg/ml, respectively. In medicinal sage (Salvia fruticosa), the highest total phenolic total flavonol, antiradical activity and antioxidant capacity were found in U2 (Metanol:water:acetic acid (95:4.5:0.5)), U2, U3 (Aceton:water:acetic acid (95:4.5:0.5)) and S1 extracts, respectively. In addition, total phenol and total flavonol of sage extract were found in U5. Antiradical activity values of extracts of S.fruticosa changed between 599.10 μg/m and 890.14 μg/ml.

The obtained results recommended that sage could be regarded as an important source of natural antioxidant.

Keywords: Salvia, Total phenol, Flavonol, Antioxidant capacity, Antiradical activity