

## **ABSTRACT**

Artemisia Persica Belongs to Family Asteraceae, a medicinal plant have polyphenols and flavonoids, which are very strong antioxidants. Antioxidant properties are related oxidative stress and various human disease defense. Profecion extract obtained with Soxhelt Apparatus using Methanol as a solvent and determined improve its Antioxidant Activity. FRAP assay involves in the determination of total antioxidant power, depends upon the ferric tripyridyltriazine (Fe (III) - TPTZ) complex to the ferrous tripyridyltriazine (Fe(II) - TPTZ) by a reductant at low pH giving 80ug/ml; of extract equivalents to 37.05ug/ml of Ferrous Sulphate. DPPH implies for free radical scavenging potential having inhibition 91.826% of Methanolic extract, which is close to Gallic Acid (93.84%), and Tannic acid (93.99%). Total Flavonoid contents are found as Crude extract 327 mg/g equivalents to Rutin Trihydrate. Total Phenolic contents are determined as Crude extract 2987mg/g equivalents to Rutin Trihydrate. Total Phenolic contents are determined as Crude extract 297mg/g equivalent Gallic Acid. Therefore, Methanolic extract of Artemisia Persica is a major source of nature antioxidants.