The Anatomical Investigation on *Pallenis Spinosa* (L.) Cass. (Asteraceae)

Hakan Sepet¹, Bahattin Bozdağ², Canan Özdemir³

¹Assoc. Prof., Ahi Evran University, Kirşehir, Turkey; ²PhD Celal Bayar University, Manisa, Turkey; ³Prof., Celal Bayar University, Manisa, Turkey.

E-Mail: hakansepet@gmail.com

Abstract:

*Pallenis spinosa* (L.) CASS. is a monotypic species for Turkey. It’s an annual and herbaceous plants. The cross-section of the root of the species has a 1-2 row of epidermis cells. Cortex cells fills between the epidermis and the central cylinder. Root has a radial vascular bundle. The cross-section of the stem has a round shape. There is a single row and regular lined of cortex cell over the vascular bundle as a starch sheath. The sclerenchyma cells is cover the top of floem cells in the collateral vascular bundle. The leaves is a bifacial type. There is a stoma both side of the leaves. Karyological work done by species. Chromosome number of 2n = 10, respectively.

Key terms: Anatomy, Asteraceae, Pallenis spinosa