The Comparative Anatomical Investigation on *Plantago Lanceolata* L. and *Plantago Logopus* L. (Plantaginaceae)

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Abstract:

*Plantago lanceolata* L. and *Plantago logopus* L. species are in the Arnoglossum section in Plantaginaceae. The cross-section of root of *P. lanceolata* has a big size than *P. logopus*. The Cortex cells are 3-9 row in *P. lanceolata* and 1-3 row in *P. logopus*. The cross-section of stem of species has a pentagonal shape and one layer epidermis. Cortex layer is big in *P. lanceolata* than *P. logopus*. Vascular bundles of species continues without interruption in the stems. Sclerancymatic cells cover the vascular bundle. There is a round shape parancymatic cells in the pith region. These species has a unifacial leaves. Both side of leaves has a 2-3 layered, palisad cells. *P. lanceolata* has bigger size palisade cells than *P. logopus*. Vascular bundle has parancymatic bundle sheats. There is a sclerencyma cells are above the floem cells.

Key Terms: Anatomy, Plantago lanceolata, Plantago logopus