

The leaf numbers and root diameter of pule pandak (*raufolvia serpentina* benth) influence the root-dry weight and reserpine content

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Abstrak

Reserpine is the most important alkaloid content in *Raufolevia serpentina* benth. (Pule pandak) root to figure out the relationship of pule pandak morphological character with the reserpine contents, an observation based analysis was done. The environment, fertilizing treatment, and fenotipe observation data were collected and analyzed. In Pule Pandak cultivated at 600 m-450 m above sea level under the teaks (*tectona grandis*) or sengan (*paraserianthes falcattaria*), in latosol soil and fertilizer doses at 20 t/ha-30 t/ha, we found that the leaf numbers and root diameter would followed by the root's dry weight and the increase of root diameter will be followed by the increase of its reserpine content.