

# Comparison of Similar Looking Plants

## *Asplenium longissimum* and *Nephrolepis acutifolia*



**Scientific name:**

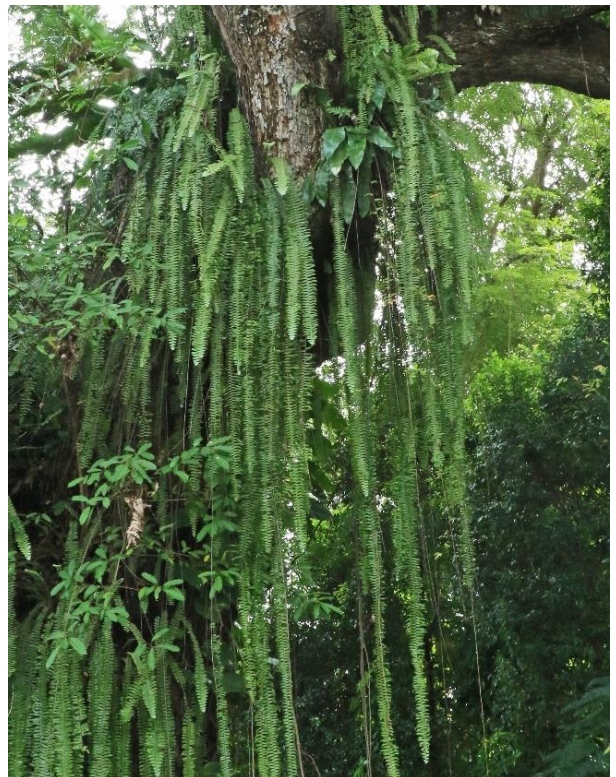
*Asplenium longissimum* Blume

**Common name:** Paku Uban Bukit

**Family name:** Aspleniaceae

**Origin:** Southeast Asia

**Status:** Native (Least Concern)



**Scientific name:**

*Nephrolepis acutifolia* (Desv.) H.Christ





**Common name:** Spleenwort











**Family name:** Nephrolepidaceae

**Origin:** Tropical Africa, Southeast Asia, Polynesia







**Status:** Native (EN)





	<i>Asplenium longissimum</i>	<i>Nephrolepis acutifolia</i>
Form	<ul style="list-style-type: none"> <li>Terrestrial or epiphytic plant</li> </ul>	<ul style="list-style-type: none"> <li>Terrestrial or epiphytic plant</li> </ul>
Fronds	  <ul style="list-style-type: none"> <li>Drooping fronds, more than 100 cm long</li> <li>May produce small plantlets on the rachis near the tip</li> </ul>	  <ul style="list-style-type: none"> <li>Drooping fronds, 150 cm or longer</li> <li>Will not produce small plantlets on the rachis</li> </ul>

	<i>Asplenium longissimum</i>	<i>Nephrolepis acutifolia</i>
Leaf stalk (Stipe)	    <p>Fig. 1a</p> <p>Fig. 1b</p> <ul style="list-style-type: none"> <li>• Up to 20 cm or more</li> <li>• Purple to black colour (Fig. 1a)</li> <li>• Scales brown, flat, lattice-like and densely packed (Fig. 1b)</li> </ul>	    <p>Fig. 2a</p> <p>Fig. 2b</p> <ul style="list-style-type: none"> <li>• 15 – 18 cm long</li> <li>• Dark brown colour (Fig. 2a)</li> <li>• Scales brown, wooly-tufted and densely packed (Fig. 2b)</li> </ul>
Sori arrangement	 <ul style="list-style-type: none"> <li>• Starts from the midrib towards the margin on both sides</li> <li>• Linear to slightly curved</li> </ul>	 <ul style="list-style-type: none"> <li>• Along the margin on both sides</li> <li>• Linear</li> </ul>



	<i>Asplenium longissimum</i>	<i>Nephrolepis acutifolia</i>
Leaflet (Pinnae)	 <p>Fig. 1c</p>	 <p>Fig. 2c</p>
	 <p>Fig. 1d</p>	 <p>Fig. 2d</p>
	 <p>Fig. 1e</p>	 <p>Fig. 2e</p>
	<ul style="list-style-type: none"> <li>• Narrow tapered tip (Fig. 1c)</li> <li>• Toothed margin (Fig. 1d)</li> <li>• Two rows of ridges along the upper side of midrib (Fig. 1d)</li> <li>• Leaflet base: boxy, heart-shaped to round with ear-like lobes on both sides (Fig. 1e)</li> </ul>	<ul style="list-style-type: none"> <li>• Short broad tip (Fig. 2c)</li> <li>• Smooth margin (Fig. 2d)</li> <li>• Brown wooly scales on the upper side of the midrib (Fig. 2d)</li> <li>• Leaflet base: boxy, heart-shaped to round base. May have ear-like lobes at the base (Fig. 2e)</li> </ul>

	<i>Asplenium longissimum</i>	<i>Nephrolepis acutifolia</i>
Leaflet (Pinnae)	 <ul style="list-style-type: none"> <li>• Sparse, black, forked scales on the underside of the pinnae</li> </ul>	 <ul style="list-style-type: none"> <li>• Dense, light brown wooly scales on the underside of the pinnae</li> </ul>

## Reference

- Plants of the World Online
- Flora Malesiana, Series II Volume 4 (2012): Nephrolepidaceae
- Flora of Thailand Volume 3 Part 2 (1985): Pteridophytes