

# Ferns of Sabah

The FERNS of Sabah comprise 832 species and 23 infraspecific taxa belonging to 145 genera and 37 families. Out of these, 73 species are endemic to Borneo, and 66 species are endemic to Sabah, including 41 species that are confined to the Mt. Kinabalu area.

List of fern families with their respective species number (including infraspecific taxa):

1. Aspleniaceae 49
2. Athyriaceae 60
3. Blechnaceae 14
4. Cibotiaceae 3
5. Cyatheaceae 30
6. Cystodiaceae 1
7. Cystopteridaceae 1
8. Davalliaceae 21
9. Dennstaedtiaceae 24
10. Dicksoniaceae 2
11. Didymochlaenaceae 2
12. Diplaziopsidaceae 1
13. Dipteridaceae 6
14. Dryopteridaceae 55
15. Equisetaceae 1
16. Gleicheniaceae 23
17. Hymenophyllaceae 73
18. Hypodematiaceae 3
19. Lindsaeaceae 43
20. Lomariopsidaceae 5
21. Lygodiaceae 8
22. Marattiaceae 9
23. Marsileaceae 3
24. Matoniaceae 2
25. Nephrolepidaceae 9
26. Oleandraceae 4
27. Ophioglossaceae 10
28. Osmundaceae 2
29. Plagiogyriaceae 4
30. Polypodiaceae 192
31. Psilotaceae 2
32. Pteridaceae 74
33. Saccolomataceae 2
34. Salviniaceae 2
35. Schizaeaceae 6
36. Tectariaceae 33
37. Thelypteridaceae 76

Most ferns are constant in their habitat preference and growth habit, i.e., they are either terrestrial (rooted in soil), epiphytic (growing on a tree), or rupestral (growing on rock). Some species are climbers (rooted in the ground but with their fronds or stems climbing to nearby plants). However, there are some species that are usually terrestrial, and may also be found as epiphytes, especially in damp cool habitats, and those that are usually epiphytes may be found amongst tree roots where they appear terrestrial, especially in montane mossy forests. In this poster, the fern species are displayed according to their usual habit; the numbers correspond to the family names and the alphabet refers to the species names with additional information as below:

- USES:**
- Ornamental
  - Edible
  - Medicinal
  - Poisonous
- ENDEMISM:**
- Endemic to Borneo
  - Endemic to Sabah

Mr. Cheng-Wei Chen of Biodiversity Research Center, Academia Sinica, Taiwan has kindly verified the species and commented on an earlier draft of this poster.

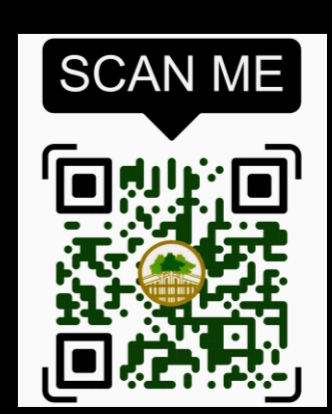
Poster prepared by Andi Maryani A Mustapeng.

Photos by Andi M.A.M. & C.W. Chen.

Produced by Sabah Forestry Department (2023). Printing funded by Heart of Borneo (HoB) Initiative.



- |  |  |   |  |
|--|--|---|--|
| <p>1.a: <i>Asplenium nidus</i></p> <p>2.a: <i>Diplazium tomentosum</i></p> <p>3.a: <i>Stenochlaena palustris</i></p> <p>3.b: <i>Cranfillia vulcanica</i></p> <p>5.a: <i>Alsophila havilandii</i></p> <p>5.b: <i>Sphaeropteris glauca</i></p> <p>8.a: <i>Davallia subvestita</i></p> <p>8.b: <i>Davallia triphylla</i></p> <p>9.a: <i>Dennstaedtia zeylanica</i></p> <p>11.a: <i>Didymochlaena truncatula</i></p> <p>13.a: <i>Cheiropleuria bicuspis</i></p> <p>13.b: <i>Dipteris conjugata</i></p> | <p>14.a: <i>Elaphoglossum angulatum</i></p> <p>14.b: <i>Teratophyllum aculeatum</i></p> <p>15.a: <i>Equisetum ramosissimum</i></p> <p>16.a: <i>Diplopterygium brevipinnulum</i></p> <p>16.b: <i>Sticherus hirtus</i></p> <p>16.c: <i>Dicranopteris linearis</i></p> <p>17.a: <i>Hymenophyllum pilosissimum</i></p> <p>17.b: <i>Hymenophyllum pallidum</i></p> <p>19.a: <i>Lindsaea cultrata</i></p> <p>19.b: <i>Lindsaea doryphora</i></p> <p>19.c: <i>Odontosoria retusa</i></p> <p>21.a: <i>Lygodium circinnatum</i></p> <p>22.a: <i>Angiopteris terox</i></p> | <p>24.a: <i>Matonia pectinata</i></p> <p>25.a: <i>Nephrolepis acutifolia</i></p> <p>26.a: <i>Oleandra neriiiformis</i></p> <p>27.a: <i>Helminthostachys zeylanica</i></p> <p>29.a: <i>Plagiogyria egenolfoides</i> var. <i>latipinna</i></p> <p>30.a: <i>Calymmodon borneensis</i></p> <p>30.b: <i>Pyrrosia piloselloides</i></p> <p>30.c: <i>Calymmodon pallidivirens</i></p> <p>30.d: <i>Selliguea murudensis</i></p> <p>30.e: <i>Selliguea albidopaleata</i></p> <p>30.f: <i>Selliguea brachypodia</i></p> <p>30.g: <i>Leptochilus axillaris</i></p> | <p>30.h: <i>Drynaria sparsisora</i></p> <p>30.i: <i>Selliguea triloba</i></p> <p>31.a: <i>Psilotum nudum</i></p> <p>32.a: <i>Taenitis blechnoides</i></p> <p>32.b: <i>Antrophyum callifolium</i></p> <p>32.c: <i>Pteris borneensis</i></p> <p>32.d: <i>Pityrogramma calomelanos</i></p> <p>32.e: <i>Pteris clemensiae</i></p> <p>35.a: <i>Schizaea dichotoma</i></p> <p>36.a: <i>Tectaria borneensis</i></p> <p>36.b: <i>Polydictyum ternatum</i></p> <p>37.a: <i>Abacopteris nitida</i></p> |
|--|--|---|--|



...to download the full checklist of Sabah's Ferns and Lycophytes...