

Antinematodal Activity of Some Tropical Rainforest Plants against the Pinewood Nematode, *Bursaphelenchus xylophilus*

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Antinematodal Activity, *Botrytis cinerea*,
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Sixty five methanolic extracts of Sumatran rainforest plants representing 63 species of 21 families were assayed *in vivo* for antinematodal activity against *Bursaphelenchus xylophilus* using our cotton ball-fungal mat method. Extracts of 27 plants species from 14 families exhibited antinematodal activity, while 37 species were inactive. Among them, three extracts of *Bischofia javanica*, *Knema hookeriana* and *Areca catechu* exhibited very strong activity at minimum effective dose (MED) of 0.7 mg/cotton ball (mg/bl.). Eight extracts from *Allamanda cathartica*, *Ervatamia corymbosa*, *Hoya diversifolia*, *Bischofia javanica*, *Derris malacensis*, *Melastoma melabathricum*, *Ophiorriza konsteleary* and *Brucea sumatrana* also showed strong activity (MED, 5 mg/bl.).