

Thesis Title Morphological Database of Fruits and Seeds of Trees in Doi
Suthep-Pui National Park

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Abstract

Doi Suthep-Pui National Park supports an exceptionally high diversity of vascular plants. Surveys conducted by J.F. Maxwell since 1987 have enumerated a total of 2145 species to date, of which 447 are trees. The aim of this study was to provide baseline data for conservation and forest restoration research in Doi Suthep-Pui National Park. The software package FoxPro was used to develop a database of fruits and seeds morphology based on data collected from 140 of these tree species. The database facilitates analysis of this data for a variety of purposes. For example, 75 tree species had fleshy fruits, 40 species tree had dry dehiscent, 22 tree species had dry indehiscent and only 3 tree species had multiple fruits. Freshly fruits were found all year round, but dry fruits were found primarily between September & November. Large fruits (> 2 cm length) were also found throughout the year, whereas the peak fruiting period for small fruits (< 2 cm length) occurred between August & November. Database output of this kind is of considerable value for research in forest restoration and related fields.