

## CHAPTER IV

### MATERIALS AND METHODS

#### 4.1 Plant Material

Six duplicates of ferns and fern allies specimens were collected from the study site during October 1996-February 1999. Plotless method was used; further voucher specimens were gathered along trails. In all, three hundreds and fifty-seven specimens were used in this study.

#### 4.2 Method

Some external morphology and habitat of each species were noted and photographed in the field. Dry herbarium specimens were prepared as described in Bridson and Forman (1992) and Boonkerd et al. (2530). The specimens were identified using both keys and descriptions from taxonomic literatures, such as Flora. Manual, Monograph, etc., as shown in the references. In addition, specimen of each species are proved for identity by comparison to herbarium specimens and/or type specimens deposited at the Forest Herbarium, Royal Forest Department, in Bangkok (BKF) and Kasin Suvatabhandhu Herbarium, Botany Department, Chulalongkorn University (BCU). Description of each species was prepared, based solely on Specimens collected from Khun Korn Waterfall Forest Park. Author of scientific names and their abbreviation used in this paper are in accordance with Mabberley's (1997). Dichotomous keys to genera and species were constructed for determining each taxon in the studied area. In addition, other information, including ecological data, distribution, vernacular name for each species, was prepared.