The study of physical factors and bark surface characteristics affecting the diversity of lichen in the nature study route of the Southern International Botanical Garden (Thung Khai)
Research Team

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Research objectives

1. To study the relationship of physical characteristics related to Diversity of lichen, Southern International Botanical Garden (Thung Khai), Yan Ta Khao District, Trang Province

2. To explore the diversity of lichen on the bark surface of each species in the Southern Botanical Garden (Thung Khai), Yan Ta Khao District, Trang Province
1. Does physical appearance affect the diversity of lichen in the Southern Universal Botanical Garden (Thung Khai)?

2. The bark surface characteristics of each species are related to the diversity of lichen in the Southern International Botanical Garden (Thung Khai), Yan Ta Khao District, Trang Province.
1. If the physical factors are different Therefore, the diversity of lichen in the Southern International Botanical Garden (Thung Khai) Yan Ta Khao District, Trang Province

2. Different bark characteristics distinguish the lichen variety in the Southern Universal Botanical Garden (Thung Khai).
Globe Protocols

- Globe measurement methodology
- Biosphere Coverage Inspection Methods
- Atmosphere Measurement Methods
Measure physical factors According to the principles of GLOBE as follows:

1.) Determine the sampling point by using the nature study route in the Southern International Botanical Garden (Thung Khai), Yan Ta Khao District, Trang Province.

2.) Measure temperature and relative humidity by using a digital hygrometer, collecting data 3 times

3.) Measure the light intensity by using a moisture meter and soil pH (Moisture & pH Meter)

4.) Send data to GLOBE Data Entry
Summary of Research

The factors affecting the diversity of lichen in the Southern Universal Botanical Garden (Thung Khai) were:

- air temperature
- air relative humidity,
- light intensity
- and bark surface characteristics

Affects a variety of lichen with the appearance of bark in 3 groups: the bark surface is broken into sheets or scales, smooth bark surface, and the bark surface is cracked into grooves. A total of 14 types of lichen were found.
Table 8 shows the relationship of the bark surface, kind of tree and physical factors.