A Propositional Study on University Botanical Garden Development Plan
—With the Case Study of Yeungnam University Botanical Garden Development—

Kim Yung Dae, Park Chan Yong, Kim Yong Sik
Hwang Jae Wu, Kim Kyu Wan
Yeungnam Univ. Gyeunsan Saemaul

Abstract

With the role of botanical gardens and arboreta has evolved through the years, the botanical gardens and arboreta at present act roles not only as a reservoir for natural resources but also as a cultural resources. Thir fact is very important thing between man and biosphere, as we are faced a gradually increasing dangers from the enivromental pollutions. The botanical gardens and arboreta help in order to increase the knowledge of the plants by its collection, growing, and display them to the community, as well as recognition of the important of the plants world.

However, the main functions of the university botanical gardens and arboreta are focused to research activities of plant sciences and as a practicing to the students those who related to the plant sciences in addition with an above mentioned functions and roles. Nowadays many universities and colleges in the world, especially in the United States, established university botanical gardens or arboreta under those roles and functions, and this trend should be increased in the future.

The Yeungnam University has responsibilities to establish university botanical garden for the reasons of an above-mentioned roles and functions as other universities and colleges in the world: that is to serve as a scientific research bank of the plants sciences to serve to the student's practicing, as well as devotion to the community both for educational and recreational purposes The master plan of Yeungnam University Botanical Garden was made in the same reason. The planning concept is of combined type with intensive developing area where main facilities are located. The area is of 273, 300 M² and glasshouses both for display and cultivation, office building, library, herbarium and display gardens were located along the main path. The planting area will be covered over 1, 582, 000 M² for the conifers, broad-leaved trees, exotics, as well as other 9 subdivided special gardens. Total 3,000 species, varieties and cultivars of trees, shrubs, and herbaceous will be collected and displayed with
a labelled in the 12 subdivided special gardens. The planting systems will be mixed properly with the scientific planting order and aesthetics.

There are several prerequisites technical difficulties in order to establish the Yeungnam University Botanical Garden: (1) The University Museum which is under the construction is located just on the planned area, (2) an overlapping the other university buildings and facilities within the boundary, (3) the private-owned lands must be purchased in order to use the land more effectively, (4) a partly infertile lands because of soil conditions, and simple topography. In order to overcome those difficulties, the positive and ever lasting efforts and interests by the University should be needed to make the botanical garden better in the future.

敘南大學校 壹武民. 地域開發研究所刊
壹武民. 地域開發研究 第7輯 (1986) 別刷本 : 59～91