

**Tree Species Assessment at the University of the East  
Tan Yan Kee Garden**

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**Abstract**

Trees are of great importance to humans and the environment. They may provide cooling, shading, and aesthetic potentials in an environment, among others. In this study, the diversity and abundance of tree species at the Tan Yan Kee Garden of the University of the East, Recto Avenue, Sampaloc, Manila, were assessed. The TYK Garden was divided into four plots. Results revealed a total of 25 plant species from the families Meliaceae, Bignoniaceae, Apocynaceae, Fabaceae, Anacardiaceae, and Lamiaceae. The Shannon-Weiner Diversity Index is 2.366169282, and the species evenness is 0.735091818. The diversity is low based on Fernando's Biodiversity Scale. Hence, it is recommended that more local species be added to make the garden more diverse and to provide more shade and cooling since the university is located in an urban area. There are also endangered and vulnerable species identified within the study site. Therefore, it is also recommended to propagate these species to promote sustainability.

*Keywords:* Plant diversity and conservation, Shannon-Weiner Diversity Index, Evenness, Importance Value Index