

An Assessment of the Existing Habitat Creation at Taichung Metropolitan Park from the Viewpoint of Landscape Ecology

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ABSTRACT

Situated in the subtropics, Taiwan enjoys a fair share of rich indigenous biodiversity, if not for the ever encroaching urban development that is deprived the already densely populated island with over-development to suffer from severe deterioration in its geological and ecological environment. More than the recreational functions, a pressing issue in urban park management lies in how best to enhance their contribution toward campaigning for ecological protection and awareness. Amid the dominance of a global sustainable environmental management concept, how best to adopt a sound ecological concept into urban park habitat creation has become a main focus of the study. Integrating pertinent theories in pertinent urban park planning, habitat creation, related biology, biodiversity theorem, published studies in micro-nature ecological environment and the like the study as compiled and analyzed a host of impact factors that aim to instill a quantifiable assessment criteria in developing Taichung metropolitan park, together with related data gathering and field surveys, to provide a basis with which to assess and analyze the potential yield in Taichung metropolitan park creation. Among a list of sixteen assessment categories, except a rather immature age of the foliage and vegetable, most of the other categories have found Taichung metropolitan park to be rather satisfactory on the level of grading. In conjunction to which, a summation and a list of recommendations have also been raised to cover the current stale of Taichung metropolitan park and for planning and installing general urban parks.

Keywords : landscape ecology ; habitat creation ; urban park ; biodiversity

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