

以景觀計量法診斷都市綠環境之發展課題 —以基隆市為例

摘要

綠環境的意涵包含生態都市、永續發展等觀念，運用綠環境品質營造綠色都市之契機。本研究主要歸納都市綠環境之理念，以基隆市為實證基地，藉由空間分析診斷都市的綠環境得知都市環境品質，以及都市綠環境的相關課題。內容論述如下：

(1)綠環境理念文獻評析：從綠色運動的興起與發展引發綠環境的理念，包含景觀生態、永續發展等理論來評定都市綠環境的範疇；

(2)都市綠環境評估指標之建立與內容：從都市的綠空間環境文獻資料中根據各項可持續發展訂出評估指標，作為檢視都市環境品質；

(3)實證研究：以景觀計量方法及綠環境評估指標分析結合GIS系統，藉由因子與相關性分析，分析基隆市目前的綠環境發展狀況，將九大操作性指標作為影響因子，釐清所獲得之資料在綠環境中所具有的影響與意義；

(4)都市空間結構與綠環境發展：為了更深入地調查實證基地之綠環境發展狀況及分布情形，將實證基地中的非都市發展用地的部分扣除，針對基隆市的都市空間結構與綠環境發展之關係作研究；

(5)提出現況發展課題，作為提升整體環境品質之參考依據。

研究結果顯示基隆市都市空間之綠化空間不足，公共建設與環境不協調，產生諸多不佳的人為景觀，土地使用開發僅考慮內部空間的使用，缺少外部環境的考量，對於整體都市環境景觀與生活品質造成負面影響。建議建立及落實都市景觀系統，達到綠意、美質及健康的都市綠色生活環境。

關鍵詞：都市綠環境、環境品質、永續發展。

Diagnose the development subject of the green environment of city with the quantitative landscape ecological methods - Case Study in Keelung City

Abstract

The meaning of the green environment includes eco-city, sustainable development, based on green environmental quality to encourage the opportunity of the green city. This research sums up the idea of the green environment of city, take Keelung City for an example, then diagnoses green environmental quality of the city and points out those issues. The contents of this research are as following:

- (1) Literature review of green environment: The concept of green environment is developed by green movement, it reviews the theories and indicators of green environment, landscape ecological, sustainable development etc.
- (2) Establish indicators of green environment of city: Draw up indicator from sustainable development literature, as to survey the environmental quality of the city;
- (3) Case study of Keelung City: It takes the quantitative landscape ecological methods combine GIS system to analyses the factor analysis and dependence that analyzes the present green environment of Keelung, regard nine operating indicators as the factor of influencing, analyzes the influence and meaning of green environment;
- (4) City space structure and the green environment developing: In order to investigate the green environmental state of development and distributed the situation more deeply, it is not the part that the city develops the area to deduct, study to the relation between city space structure and green environmental development of Keelung;
- (5) Propose the present situation develops the subject, regarded as the basis of improving integrated environment quality.

The result of study shows the green space of Keelung is insufficient, public construction and environment are incongruous, produce a lot of artificial view not good, develop the use only considering the inside space, lack the doing in the test amount of external environment condition in land utilization, cause reverse side influence on the environmental view and quality of the life of whole city. It suggest to set up and implement the landscape system of the city, reach green purpose, environmental quality, and healthy green living environment of city.

Key word: green environment of city, the environment quality, sustainable development.