

ACCESSIBILITY OF URBAN GREEN SPACE IN HO CHI MINH CITY

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ABSTRACT

Urban green space has natural, social and environmental benefits, especially in cities with the high level of urbanization. The term urban green space accessibility is being widely used as a measure in urban planning and management. In the development of GIS, especially the network model supports complex spatial analysis. This study is based on two main approaches: network analysis and two-step floating catchment area (2SFCA). Data used include census data, housing, road and green space in the inner region of Ho Chi Minh city. The result identified the service area of urban green space and calculated the accessibility index for residential areas to find locations with low green space accessibility. Therefore, this study contributes scientific methods in urban planning.

BUILDING GIS DATABASE TO SUPPORT HOUSEHOLD SOLID WASTE MANAGEMENT IN CU CHI DISTRICT, HOCHIMINH CITY

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ABSTRACT

This article presents the result from building a GIS database to support decision making process in management of household solid waste in Cu Chi District, Hochiminh City. The database includes 6 layers of spatial data compatibly integrated in ArcGIS, namely: administration, transportation, transport terminal, collection sites, sites of waste generating, collection routes.

The research also presents map of current status of household solid waste management in study area. This is an important database to facilitate the effectiveness of management of household solid waste.