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Spatial analysis of users movement pattern and its socialization on public facilities and environment through the ESVA

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Abstract

The aim of developing spatial analysis of user movement pattern analysis and socialization is to ensure socializing comfort at the user environment. User Movement patterns and socialization need to be estimated in order to avoid any disturbance in obtaining user comfort during in its environment. Research on this spatial analysis was held on public facilities in Surabaya and Malang City. In the analysis on various public facilities was concluded that comfort sense was influenced by facilities and infrastructure, spacious place to socialize, view and direction in order to control the circulation flow and the ability to accept a variety of activities that are likely arise. Results of this research showed that the type of movement and socialization can be known through the Environment Socialization Values Analysis (ESVA). The value results of the ESVA are determined from the average number of socialization types that occurs and the average of user member number.

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1. Introduction

Research in the field of spatial indispensable for a variety of analysis advantages. Some advantages of this analysis is to provide a clear picture of the environment's ability to support the needs of its users. Other uses of this analysis is to predict the density and avoid disasters that can cause. Furthermore, spatial analysis capabilities in

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