

SUMMARY

Muhammad Azza Subagyo, *Urban and Regional Planning Departement, Faculty of Engineering, Brawijaya of University, November 2015. Street Space Concept As a Pedestrian Facilities Based on Movement Patterns and Activities in Kelurahan Ketawanggede Neighborhood.* Supervisor: Johannes Parlindungan Siregar ST., MT., and Chairul Maulidi ST., MT.,

Research located in Kelurahan Ketawanggede neighborhoods that provide dwelling places which are next to Universitas Brawijaya campus. Walking is the major transportation mode in here. Neighborhood street spaces are used as pedestrian ways and vehicle routes without any separation lane and inadequate facilities. The research conducted in order to identify pedestrian facilities condition that related to movement pattern and activities.

Research method that used is spatial configuration analysis to measure the neighborhood structure as parameter for the ease of pedestrian circulations. Behavior mapping is applied to traced the movements patterns of pedestrians and vehicles, as parameter for space usage and its effects on land-use pattern. In addition, this research evaluate pedestrian facilities compare with standards.

The result shows that the spatial configuration of the neighborhood is not connected strongly, so pedestrians will be easy to get lost when they going trough the neighborhood. This spatial configuration is used as indicator to classify the accessibility levels of every pathways. Seeing level of pedestrian accessibility along with pedestrian movement patterns, could be found that pedestrian movement is more attracted by land use pattern than accessibility level. In the other hand, refer to vehicle movements patterns could be decided some path which is need to be considered in preventing crash between vehicle and pedestrian movement. Pedestrian ways and its facilities is still not appropriate for pedestrian movement. In order to choose priority variables in improving pedestrian facilities, trough importance and performance analysis. At last this research bring discuss to formulate planning concepts for neighborhood utilization by combining all of the analysis findings.

The research can be used as input to Malang City Government in making policies to organize an area especially Kelurahan Ketawanggede Neighborhoods that had walking is the major transportation mode, by serves facities to support pedestrian activities, so that can decerase people habit to use vehicles and make better neighborhood environment.

Keywords: *Pedestrians, Neighborhood Structure, Movement Pattern*