

## ABSTRACT

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Title : Pedestrian Level of Service In The Bundaran HI Transit Oriented Development Area.

The study of the Pedestrian Service Level in the Transit Oriented Development (TOD) Area was made based on the smooth condition of the pedestrian path in the HI Roundabout TOD Area which caught the author's attention. The condition of the smoothness of this pedestrian path at first glance looks very crowded so it looks disturbing the mobility of pedestrians moving in its path. The purpose of this study was to assess the level of service of pedestrian paths in the HI Roundabout TOD Area.

This research uses a mixed methods approach. Data acquisition was carried out using field surveys and processed using quantitative analysis using the Level of Service (LOS) calculation formula by the Transportation Research Board (2000). To perform this calculation, it takes pedestrian flow and pedestrian movement space to analyze the level of service of pedestrian paths in the HI Roundabout TOD Area.

The results of this study are 20 pedestrian paths that have adequate space and smooth movement for pedestrians with the level of service A. There are also 3 paths with level of service B which indicates the presence of several obstacles or disturbances that affect the smoothness of pedestrians interfere and hinder the movement of one path with level of service C, which indicates the existence of some limitations in space and smooth pedestrian movement. One lane with the level of service E, indicates a low level of service, mainly due to the very limited width of the lane and the high number of pedestrians.

Keyword: Pedestrian, Level of Service, Transit Oriented Development