ABSTRACT

PEMI APRILIS. Safety Function and Aesthetics Assessment toward Greenbelt of Jendral Sudirman Street Pekanbaru Riau Province. Undersupervision of RACHMAD HERMAWAN and NANDI KOSMARYANDI.

Pekanbaru as the capital city of Riau Province and one of big cities in Sumatran Island had experienced developments and constructions in many sectors. One of the important constructions conducted in Pekanbaru city was the construction of transportation system. The policy of the Green Open Space development was adjusted to the policy of transportation development which was directed to the development of green arrangement and pedestrian walk along the road for the comfort and safety of road users, create the beauty and environmental balance of the city. One of the factors which would be able to support establishment of the condition aforementioned was an appropriate green-belt arrangement.

The aim of this research was to assess safety and aesthetics functions toward the greenbelt of Jendral Sudirman street, Pekanbaru, Riau Province. Locations observed were the roadmedian and roadside. The activity took 4 months time, starting on September until October 2009, and it was continued on November until December 2010. The method used was inventory of species, planting distance, leaf mass, plan height, crown shape, color variations, and plant texture. The total lengths of Jenderal Sudirman street was divided into six segments of observation sites. The assessment of safety and aesthetics function of each segment was done based on pre-determined criteria. The assessment would resulted in the segment which categorized in to good criteria on both function.

The result showed that the roadside of segment 1 and 2 were categorized in to good safety and aesthetics function. Meanwhile, the roadmedian of the same segment had bad safety function but good aesthetic function, which but the location in to fair category. Both the roadside and median of segment 3 fall in to fair category of safety and aesthetic function. The roadside of segment 4 was categorized in to fair safety and aesthetic function, while the roadmedian was categorized in to good safety and aesthetic function. The roadside of segment 5 and 6 fell in to bad category of safety and aesthetic function, while the median part fell in to fair category since the median had good safety function but bad aesthetic function.

Key words: Assessment, safety functions, aesthetics functions, greenbelt, roadside, roadmedian.