ABSTRAK

Permasalahan Transportasi merupakan masalah yang dihadapi oleh Negara berkembang seperti Indonesia, Permasalahan Penyempitan pada Pasar Pagi Parak Laweh Kota Padang yaitu banyaknya pengendara dan transportasi umum yang parkir sembarangan di sepanjang bahu jalan. Tujuan penelitian ini mengetahui pengaruh penyempitan jalan terhadap karakteristik lalu lintas antara arus, kecepatan, dan kerapatan. dengan menggunakan Model linear *Greenshilds* dan Model logaritma *Greenberg* dan mengetahui nilai arus dan kerapatan maksimum pada jalan yang mengalami penyempitan didaerah studi penelitian. Pengumpulan data volume, kecepatan, dan kerapatan dilakukan selama 2 (dua) minggu pada setiap jam-jam sibuk. Hasil menunjukkan Kecepatan maksimum selama pengamatan terjadi yaitu (V= 5,23 km/jam) dan kecepatan terendah terjadi yaitu (V= 2,49 kend /jam) dengan Volume puncak terjadi hari Senin sebesar 1156 kend/jam, volume paling rendah pada hari Rabu, sebesar 1138 kend/jam. Kepadatan maksimum terjadi pada jam 07.50-07.55 yaitu 11,12 skr/jam. Dengan nilai arus lalu lintas rata-rata 395,370374 kend.

Kata Kunci: Penyempitan, Greenshilds Greenberg, Karakteristik Jalan.

ABSTRACT

The problem of transportation is a problem faced by developed countries and developing countries such as Indonesia. The problem of narrowing the morning market is the large number of motorists and public transportation who park haphazardly along the shoulder of the road. The purpose of this study is to determine the effect of road narrowing on traffic characteristics between flow, speed and density. due to the narrowing of the road at the study site using the Greenshilds linear model. The Greenberg logarithmic model and knowing the maximum current and density values on roads that experience narrowing in the research study area. Data collection on volume, speed and density is carried out for 2 (two) weeks due to busy hours. Results Conclusion The maximum speed during the observation occurred at (V= 5.23 km/hour) and the lowest speed occurred at (V= 2.49 vehicles/hour) with the peak volume occurring on Monday which was 1156 vehicles/hour, the lowest volume on Wednesday, it was 1138 vehicles/hour. The maximum density occurs at 07.50-07.55, namely 11.12 pcu/hour. With an average traffic flow value of 395.370374 vehicles.

Keywords: Narrowing, Greenschilds Greenberg, Road Characteristics