

ABSTRAK

Terminal Bukit Surungan merupakan salah satu fasilitas transportasi yang memiliki potensi untuk dikembangkan sebagai lokasi *off-street parking* bagi angkutan barang di Kota Padang Panjang. Seiring meningkatnya aktivitas distribusi barang dan terbatasnya ruang parkir di kawasan perkotaan serta adanya kebutuhan tempat pemberhentian untuk istirahat dan pendinginan system pengereman. Di lain sisi adanya area terminal yang tidak termanfaatkan untuk aktivitas angkutan penumpang, faktor inilah yang menjadikan penulis mengangkat permasalahan ini sebagai tugas akhir.

Penelitian ini bertujuan untuk menganalisis kondisi eksisting pemanfaatan terminal, kapasitas lahan parkir, karakteristik operasional angkutan barang, serta kelayakan Terminal Bukit Surungan sebagai lokasi *off-street parking*. Metode penelitian meliputi survei lapangan melalui pendataan angkutan barang yang parkir di bahu jalan dimana ini merupakan pelanggaran, durasi parkir, dan perhitungan kapasitas ruang parkir di dalam terminal.

Berdasarkan hasil analisis, Terminal Bukit Surungan dinilai layak dimanfaatkan sebagai lokasi *off-street parking* angkutan barang. Untuk optimalisasi, diperlukan penataan ulang sirkulasi kendaraan, penyediaan fasilitas pendukung seperti rambu dan marka parkir, serta pengelolaan operasional yang lebih terstruktur. Temuan ini diharapkan dapat menjadi bahan pertimbangan bagi pemerintah daerah dalam meningkatkan efisiensi dan keteraturan sistem transportasi barang di Kota Padang Panjang.

Kata kunci: terminal, *off-street parking*, angkutan barang, Bukit Surungan, Padang Panjang.

Abstract

Terminal Bukit Surungan is one of the transportation facilities that has the potential to be developed as an off-street parking location for freight vehicles in Padang Panjang City. Along with the increasing intensity of goods distribution activities, the limited availability of parking space in urban areas, and the need for designated stopping areas for rest and brake-cooling purposes, an alternative parking facility becomes essential. On the other hand, a portion of the terminal area remains underutilized for passenger transport activities. These factors motivated the author to examine this issue as the topic of the final project.

This study aims to analyze the existing utilization of the terminal, the capacity of the parking area, the operational characteristics of freight vehicles, and the feasibility of Bukit Surungan Terminal as an off-street parking location. The research method includes field surveys involving data collection on freight vehicles parking on the roadside activity considered a violation along with observations of parking duration and calculations of the parking space capacity within the terminal.

Based on the analysis results, Bukit Surungan Terminal is considered feasible to be utilized as an off-street parking location for freight vehicles. To achieve optimal functionality, improvements are required in vehicle circulation arrangements, the provision of supporting facilities such as signs and parking markings, and more structured operational management. These findings are expected to serve as a consideration for local authorities in enhancing the efficiency and orderliness of the freight transportation system in Padang Panjang City.

Keywords: terminal, off-street parking, freight vehicles, Bukit Surungan, Padang Panjang.