

Analisa kebutuhan ruang parkir sepeda motor berdasarkan perubahan tarif dan penambahan luas lahan park and ride pada stasiun Pondok Cina = Needs analysis by motorcycle parking space fare and addition of changes in size of land park and ride on pondok Cina Station

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Abstrak

ABSTRAK

Peningkatan jumlah pengguna park and ride diikuti peningkatan kebutuhan ruang parkir pada stasiun Pondok Cina, disebabkan adanya masyarakat yang setiap harinya memarkirkan kendaraan pribadi mereka dan menggunakan kereta api sebagai moda transportasi untuk menuju ke tempat kerja. Penelitian ini membahas mengenai analisa kebutuhan ruang parkir sepeda motor berdasarkan perubahan tarif dan penambahan luas lahan park and ride Pondok Cina. Metode pengumpulan data dengan survei langsung ke lapangan dengan cara melakukan wawancara dengan metode stated preference untuk mendapatkan data karakteristik responden, data kedatangan dan keberangkatan serta data stated preference. Hasil penelitian menunjukkan probabilitas terbesar yaitu sebesar 0,408 serta nilai utilitas sebesar -0,371 dengan perubahan tarif parkir sebesar 9000 dan luas lahan 1856 m² dengan kemampuan maksimum ruang parkir dalam menampung kendaraan yang parkir yaitu sebesar 1332 kendaraan. Pengguna fasilitas mendapatkan manfaat dari segi biaya perjalanan lebih murah Rp. 8000,- dibandingkan menggunakan sepeda motor langsung. Penelitian ini juga mendapatkan data asal perjalanan responden berdasarkan alamat responden tersebar sejauh 4,2 km kearah sisi barat dan sejauh 10,8 km kearah sisi timur serta 2,4 km pada sisi utara dan 9,6 km pada sisi selatan.

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<i>ABSTRACT</i>

The increase in the number of users of park and ride followed by an increased need for parking spaces at the station Pondok China, due to their communities every day to park their personal vehicles and use the train as a mode of transportation to get to work. This study discusses the analysis of motorcycle parking space needs based on changes in tariff and the land area of the park and ride Pondok Cina. Data were collected by the survey directly into the field by conducting interviews with the stated preference methods to get the data characteristics of the respondents, the data of arrival and departure as well as the data stated preference. Results showed the greatest probability is equal to 0.408 and the utility value of 0.371 with Pakir tariff changes of 9000 and a land area of 1856 m² with a maximum capacity of parking spaces to accommodate the parking of vehicles in the amount of 1332 vehicles. Users benefit from having the facilities in terms of cheaper travel costs Rp. 8000 compared to a motorbike directly. The study also obtain travel origin data by address respondents respondents spread as far as 4.2 km towards the west and as far as 10.8 km to the east side and 2.4 km in the north and 9.6 km on the south side.