

DEVELOPMENT OF PARKING MODEL FOR CAMPUS ENVIRONMENT

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DISEMBER 2005



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Tajuk Projek : **Development Of Parking Model For Campus Environment**
Ketua Projek : Cik Tey Li Sian
Kos Projek : RM 16,127.30
Jenis Geran : Geran Dalaman

Sekian, untuk tindakan pihak tuan selanjutnya.

Terima kasih.

Yang benar


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LAPORAN AKHIR PENYELIDIKAN "DEVELOPMENT OF PARKING MODEL
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Merujuk kepada perkara di atas, bersama-sama ini disertakan 2 (dua) naskah Laporan Akhir Penyelidikan bertajuk "Development of Parking Model for Campus Environment" untuk makluman pihak prof.

Sekian, terima kasih.

Yang benar,



TEY LISIAN

Ketua

Projek Penyelidikan

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ABSTRACT

Parking space is an important component in transportation system to function as terminal. The availability of parking space is always an important factor to achieve a better traffic system since over supply of parking space will incur extra cost and land, while an acute shortage of parking space will create traffic congestion. Therefore, lacking of information on parking demand may lead to uncertainty in decision making at planning stage. The objectives of this study are to obtain parking demand trend and develop mathematical model for estimating future vehicle parking demand of academic faculty in campus environment. The study found that the parking demand depends on the population of staff, student and visitors and linear regression analysis has been used to derive the casual relationships between parking demand and population. Two significant peak parking demand and drops in parking demand were observed in each study day. The results showed that the developed model gives better estimates compared with the existing guideline provided by local council.