

POTENSI PENGGUNAAN BASIKAL SEBAGAI MOD PENGANGKUTAN
ALTERNATIF UTAMA DI KAMPUS UNIVERSITI MALAYSIA
KAJIAN KES: KAMPUS UNIVERSITI TEKNOLOGI MALAYSIA

WONG WAI HONG

Laporan projek ini dikemukakan
sebagai memenuhi sebahagian daripada syarat
penganugerahan Ijazah Sarjana Muda Perancangan Bandar dan Wilayah

Fakulti Alam Bina
Universiti Teknologi Malaysia

NOVEMBER 2006

PENGHARGAAN

Penulis ingin merakamkan penghargaan ikhlas dan jutaan terima kasih kepada penyelia projek, En. Mohamed Don Awang atas bimbingan dan tunjuk ajar yang diberi sepanjang tempoh penyediaan projek ini. Tidak dilupakan juga kepada pembaca projek, En. Azlan Bin Hassan yang turut memberikan tunjuk ajar bagi menyempurnakan penyelidikan projek ini.

Rakaman terima kasih juga disampaikan kepada Dr. Zaly Muhammad Zaly Shah B. Muhd Hussein, Prof. Abdullah Bin Abdul Rahman dan pensyarah-pensyarah lain yang turut membantu dalam penyediaan projek ini.

Penghargaan khas juga ditujukan kepada Cik Chew Lee Ting yang membantu dalam mencetuskan idea penyelidikan ini. Rakaman terima kasih juga disampaikan kepada semua yang terlibat sama ada secara langsung atau tidak langsung membantu menjayakan projek penyelidikan ini.

Akhir sekali, terima kasih yang tidak terhingga ditujukan khas kepada ahli keluarga yang tersayang dan rakan seperjuangan yang sentiasa bersama mengharungi rintangan sepanjang tempoh pengajian di UTM. Kepercayaan, bimbingan, nasihat, dorongan, teguran dan tunjuk ajar yang diberi oleh mereka semua semoga akan diberkat oleh Tuhan.

ABSTRACT

The purpose of this research is to ensure that the potential use of bicycle as a main alternative mode of transportation in the Malaysia's university campus which aims to replace the form of mobility of student in surrounding the campus from the motorized travel modes to bicycle mode. Campus Skudai, Universiti Teknologi Malaysia has been chosen as a case study area. As a consequence, this study comprehends the student perception regarding to their willingness of using bicycle in the campus area and the problems that can cause them not to cycle. Besides, the understandings of the cycle aspects which emphasized by the students who are not cycling if they cycle in the campus have been identify in this study to apply in the bicycle transportation planning to accomplish a successful, convenience and safer method of transportation system. 140 respondents from the total student population of Campus Skudai, Universiti Teknologi Malaysia have been selected in a simple random sampling for this study. The analysis shows that the criterion in the accessibility and convenience aspects are critical in consequence to the respondents who do not cycle and are not to be ready to cycle in the campus. While the cycling aspects emphasize by the respondents to cycle is recommended to the priority for safety, followed by the accessibility, convenience, provided bicycle facility and security of the bicycle belongings. 76 percent from the non-cyclist respondents agreed to the use of bicycle as their main transportation mode in campus, and if the bicycle lanes are provided and all the recommended cycling aspects are fulfilled. The finding of this research can be a guide in providing an admirable bicycle transportation system in a campus university or a neighbourhood in Malaysia.