

Universiti Teknologi MARA

**MALAYSIAN LICENSE PLATE NUMBER
EXTRACTION USING CHARACTER
SEGMENTATION**

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Declaration

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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Abstract

Car License Plate Recognition (CLPR) method is a key too many traffic oriented applications such as traffic monitoring, border monitoring and in toll areas. Car License Plate Recognition (CLPR) consists of three phases: license plate detection, character segmentation and character recognition. Jabatan Pengangkutan Jalan (JPJ) has a problem to detect a non-standardized Malaysian license plate number. This project proposes to extract static image of "PUTRAJAYA" Malaysian license plate number using character segmentation. The segmentation process will divided into vertical segmentation and horizontal segmentation. This application will produce the individual character. Character segmentation is an important step in Car License Plate Recognition (CLPR). There are many dif-faculties in this step, such as the influence of image noise, plate frame, rivet, the space mark and so on.

Keywords: Car License Plate Recognition (CLPR), character segmentation