PROJECT REPORT

Traffic Counter Based On MPG File

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FACULTY OF COMPUTER SCIENCE

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STATEMENT OF ORIGINALITY

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Declare that the report and the process of the project is the responsibility and the work itself. The project is not a process of decision / plagiarism other people's work, except as otherwise expressly stated in writing this report. If at a later proved that this work is not an original work and the plagiarisms, then I'm willing to accept the imposed sanctions and the cancellation of the rules relating to plagiarism.

Semarang, January 10th 2013

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FOREWORD

Thanks to God for the bless, I have been completed this project with title: Traffic Counter Based On MPG File.
In this opportunity, writer would thanks to:

1. My Lord Jesus Christ, by His grace that great in my life.
2. My parents, my dad Gunadi Suryoputro, my mom Tan Tjuh Djing, my sister Lydia Surya Putra and my brothers Leonardo Surya Putra and Lawin Surya Putra.
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5. All my best Friend in ikom (Ronald, Bambang, Adit, Joko, Rossy, Lukas, Jap, Aan) and many more for support to finish this project. we are best friend forever.
6. IKOM SOEGIJAPRANATA CHATOLIC UNIVERSITY.

Finally,writers apologizes because this project is not perfect, Hopefully This project may be useful for everyone .

Semarang, January 10th 2013

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ABSTRACT

System is made to count the number of a vehicle within a certain time on the tapes in a video extension *. MPG and purpose of this system is to actually facilitate a researcher in calculating the amount of a vehicle without the manual but only use this system.

One initial step is to detect vehicles in the image and then perform the segmentation of the vehicles continuously for tracking purposes. In this paper, the preprocessing stage, as one of a research results, is described. The main method used is capture video files into image files any given time, from the image files will be processed using the Grayscale and Tresholding to obtain a binary image, a binary image in getting make drawing a white and black (dark objects will be transformed into a black and light-colored object will be changed to white) light-colored car then it will be changed to white. After knowing the car object to be detected is white then we set the detection area of the most frequent object passed by a car that is white will be detected by using a method which is in java mouse listener object and if there is a car that will be in white color detection through the detection area of the car will be detected and the count will be at capacity in a txt file.

Keywords: Grayscle, Tresholding

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