

DESIGN OF COUNTER PROGRAM THE VISITOR OF TAMAN SARI YOGYAKARTA WITH OPENCV LIBRARY

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ABSTRACT

The tourism industry is the largest industry in the world, both from the absorption of labor in this industry and its contribution to gross domestic product (GDP). Yogyakarta Special Region is the second tourist destination after Bali in Indonesia, one of historical heritage tourism in Yogyakarta is Taman Sari Water Castle. In developing a tourist attraction then information of the number of visitors is involved in a tourist attraction which is needed in improving security problems, the number of visitors density, or other problems. One of the libraries that can detect humans and count numbers of humans use OpenCV library. OpenCV is a software library intended dimensional image management in real-time.. OpenCV has more than 500 optimized algorithms for image and video processing. By using OpenCV library, the calculation visitors of Taman Sari counted which recorded in a video in 1 minute duration there are 0 people who came out from Taman Sari and there were 5 people who entered Taman Sari. In getting accounting more accurate and accuracy, this reaserch uses a minimum treshold value is 175 and a maximum value is 255.

Keywords: Object counting, people counting, OpenCV.