ABSTRACT

COVID-19 is a new type of virus with a severe infection. Transmission is directly between humans through splashes of liquid from the nose and mouth that come out such as coughing, sneezing, or talking. As a result, the transmission of COVID-19 has made people worry about being in public places, let alone in crowded places. Some ways to reduce and avoid the spread are by maintaining social distance, washing hands, and using masks. However, there are still some people, especially motorcycle riders who do not care about the importance of using masks, so in this Final Project, a system has been designed to detect masks and on motorcycle riders. To detect masks that focus on motorcyclists, the Gray Level Co-Occurrence Matrix (GLCM) method will be used as an image feature extraction and Support Vector Machine (SVM) as a classifier. By using this method, we get a mask detection system that produces the best accuracy of 93%. The accuracy was obtained from testing 300 images data using the GLCM method and SVM classification.

Keywords: Kata Kunci: *Gray Level Co-Occurrence(GLCM)*, *Support Vector Machine(SVM)*, *COVID-19*