ABSTRACT

The spread of Corona Virus Disease 2019 (Covid-19) in Indonesia is increasingly widespread, with the number of cases exposed to Covid-19 increasing day by day. Of course one has to work, study, worship, socialize and have activities in order to be productive in the pandemic. If this is not done, it will have an impact on various sectors such as social, cultural, slow economic growth, the industry does not run well and someone loses a job. Based on this problem, research was conducted on a system that can detect masks in order to prevent the spread of Covid-19. The system can detect masks or without masks. If you are wearing a mask, only the words on the LCD will appear, please enter. If you don't have a mask, the alarm will sound and an inscription will appear on the LCD. No entry is allowed. The results of this study indicate that mask detection using the haar cascade classifier can detect masks or without masks if they have sufficient light conditions, and the distance that can affect the performance of the mask detection system or without a mask

Keywords: Haar Cascade Classifier, Warning Alarm, LCD, Mask detection.