CHAPTER 6
CONCLUSION

The articial intelligence system that we use is to create a protocol detection system for health violations using masks using the SSD algorithm and Nvidia Jetson Nano. This algorithm was chosen because it has better processing than similar algorithms. SSD is a single deep neural network algorithm that applies the bounding boxes feature to estimate the location of the detected object.

The results obtained from this experiment's accuracy is 91.3%, precision is 100%, and recall is 84%. This value is quite high and can prove that SSD MobileNet V2 320x320 Algorithm has good performance for detecting health protocol violations using masks.

But, This experiment still has limitations for the position of less bright objects cannot be detected properly. The things that can be improved for further research are:

1. The position of camera can be placed at various angles.

2. Recommended to use a PC that has high specifications to support various processes so that it does not take a long time.

3. Doing some more various configurations to optimize the performance of the SSD algorithm such as sharing training and test data, learning rate configuration, number of steps, and batch size.

4. Using a larger dataset to improve the ability of the learning model.