

CHAPTER 6

CONCLUSION

The main causes of the face recognition process being difficult to recognize are the low level of resolution and the distance that is too far, making faces smaller and difficult to recognize. In the method that I use the brightness level has no effect because when the brightness level increases all values will increase and the LBPH method will also get large values in its calculations. And the level of resolution is very influential in the face recognition process, the higher the level of resolution of the photos/images used to become a dataset, the higher the resulting level of accuracy. The result of this project is that the program can recognize different faces and has an accuracy rate of 66-100% depending on the number of datasets and the level of resolution used, but if the subject is given an obstacle that covers the facial lines, such as a mask or light reflection from the glasses, it will cause the subject to fail to be detected.

I hope that in the future there will be someone who can perfect the method I use so that the resulting level of accuracy can be more stable using both high and low resolutions.