

CHAPTER 6

CONCLUSION

From the experiments conducted, it can be concluded that using Canny edge detection will not improve the accuracy and performance of SVM. Support Vector Machine itself can classify images that have not passed the segmentation process well. SVM can also classify plants based on edge detection, more precisely using binary obtained from image segmentation results.

For future research, it is recommended to use other classification algorithms because SVM is not effective for large images and requires a long training time. It is recommended to use CNN which is quite effective and can handle the difference in image scale well. For image datasets, it is recommended to use images that are clear and have no noise, because any edge detection method is very sensitive to noise and shadows in the image.

