

CHAPTER 6

CONCLUSION

From the results of experiments with 70 leaf objects that were done it is known that the Morphological Closing algorithm has more superiority, it can be known from the table that the PSNR value is higher and the MSE value is lower than algorithm Thresholding. In doing the calculation of MSE is said to be good if the value of MSE is close to zero. But if using binary images, it can be seen that thresholding better algorithms, proven the MSE that were more accessible with 0. While PSNR value can be seen from a graph indicating that algorithms Thresholding better in quality. Of proven value, PSNR thresholding denotes more than 30 dB. It means the Thresholding algorithm more closely resembles the original image if using binary images.

In segmenting not all objects can be segmented seamlessly according to the edges of the leaf line. This is due to brightness and also the different contrasts in each object.

Suggestions for researchers are then attempted first to set brightness and also contrast, so as to get perfect segmentation results and can also be added edge detection to support segmentation right on the edge of the leaf line.