IV. CONCLUSION

The results of the study show that the Gabor Wavelet and Support Vector Machine (SVM) is successfully applied to identify braille into the alphabet in digital image processing. This method can be implemented to identify braille letters in uppercase, lowercase, numbers, and punctuation, giving the test results of the confusion matrix method with an average value of 98.15% accuracy, 97.66% precision, and 98.28% recall. On average, it takes to identify a braille image is 4 seconds, and identifying numbers needs 11 seconds. Testing is done by using random test data of 758 data. Stains influence the incorrect classification results in this study on the paper around the braille word images and the slope of the braille image. For further research, it is recommended to identify the difference between dots of braille and stains on paper.

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