Abstract

The voice identification system is one system that has undergone many developments and is widely applied in various fields as a detector of one's identity at this time. This system has also been developed so that it can recognize a person's identity by detecting the sound signal energy released by a person and not driven by a particular text. However, there are not many discussions that focus on the relevance of the output results on the system. In this study, the authors implemented the voice identification system using the support vector machine (SVM) method at various levels noise and then used the confusion matrix calculation technique to calculate data accuracy and calculate precision and recall to determine the relevance of the output results on the system. The system test results state that for the level of noise at 0dB, the average accuracy is 70.92 percent and sequentially the average values of precision and recall for noise 0dB are 74,68 percent and 83,5 percent.

Keyword : system, voice, identification, evaluation.