

ABSTRACT

The use of an android application for the detection of vocal cord abnormalities can take advantage of the function of the device as a tool for screening the early stages of examining voice dysphonia that can be done in an adequate place. The parameters used consisted of jitter, shimmer, HNR (Harmonics to Noise Ratio). Uses the voice of 130 saarbruecken voice data. The results of the analysis of the data obtained show that this application can show the reference value of the four parameters of a person's vocal cord pathology. The things that can affect the data obtained include, among others, the recording quality of the microphone, the distance from the sound source to the microphone, the sensitivity of the microphone, the noise of the recording location. This indicates that the application must be carried out in an adequate location with adequate equipment.

Keywords : Android, Vocal Cord, jitter, shimmer, HNR, dysphonia.