

ABSTRACT

This study aims to make a diagnostic tool for human hearing speech audiometers. As for the background writing of this diagnostic tool making, it aims to minimize the shape of the original instrument and perform auditory hearing while checking the state of the ear by providing sound frequencies that have been modified into sounds that emit words (speech), the frequency used in the instrument These are 125 Hz, 250 Hz, 500 Hz, 1000 Hz, 2000 Hz, 4000 Hz, 8000 Hz. The frequency used is the frequency chosen to check the patient's ear so that the results will be recorded with an audiogram. This study got results until a moderate deaf examination ranged between 41-60 dB. An audiogram is a graph that shows the results of a hearing test.

Keywords: *Bronchitis, Frequency, Vibration, DC Motor*

