

Two types of speech samples were obtained from both groups: normal children and those who stutter: spontaneous and oral reading speech samples. The selection of different sentences for each age stage was due to the design of curriculums, which are designed based on the developmental characteristics and the nature of the learners (physical, mental, and cognitive) abilities (Ababa, 2019; Bomizbr, 2018; Kassem, 2023). Based on that, each age stage read their own Arabic curriculum sentences in order to neutralize the complexity of the sentences as the children read them to lessen the influence of reading skill development on speech and articulation rates and to focus only on the influence of age on those rates. Those sentences were written in Modern Standard Arabic (henceforth, MSA).