Abstract

Autism is a term that used to picturized neurological problems which affect mind, perception and concentration. Characteristics of autism is very wide-ranged, even the pre-problem or the main problem which are shown by one autisms sufferer to the other sometimes much different. Autism abnormalities can block, slow down or disturb signal from eyes, ears, and other sensory body parts so it can cause disturbance or slowing down the cognitive, verbal, behavior, communication and social interaction of a person. For these mean times, many kinds of therapy have been done to decrease autism level. One of the therapy done is music therapy eventhough the applications are not often to be found. In this research, test will be done to show if Murotal music can be an alternative to music therapy for autism kids. Thistesting process will be done scientifically with firstly deciding the indicators that will be tested then deciding the parameters of scoring and finally designing the experiment. This research use props (games) to help the scoring of each indicators. The scoring done before (pre-test) and after (post-test) the music therapy application. The result of pre-test and post-test are then evaluated by using statistical test which is Analysis of Variance (ANOVA). The result which is shown from the research is that therapy indeed giving effect to the cognitive scoring aspect
that is scored to research object decided. Other results show that
two types of music that had been used in this experiment can be
used to therapy material because both didn’t show significant
result. A part of that, by doing this research, can also be known
the weakness in cognitive system of autism kid with the relation in
the information processing process based on cognitive ergonomic
generic model.

**Key words**: autisme, cognitive ergonomics, music therapy, Analysis of Variance.