

## ABSTRACT

Good performance of traditional music needs building with specific acoustic condition. The reference of building design is based on optimum value of acoustic characteristic of musical instruments. The subjective acoustic preference for the sundanese gamelan is done to obtain the parameter value according to the listener's preference. Psychoacoustic test was performed to find out the human perception towards stimulus given to determine the value of preference parameters of acoustic gamelan degung. Since it is not known yet for gamelan sunda, focus of this research is to find preference of characteristics reverberation time and listening level of it by conduct psychoacoustic analysis. Respondents from various background are asked to rank samples of certain modified reverberation time from live recording sound. The value of subjective preference of reverberation time is concluded from the result of statistical analysis.

**Keywords:** Sundanese gamelan, subjective preference, psychoacoustic, live recording.