

ABSTRACT

Noise caused by a motorcycle is influenced by several factors such as the type of muffler and the engine's cylinder volume. Noise produced from those factors will produce a different impression on the ear of the listener. Therefore, a subjective study of noise is attempted using the sound scape method. Soundscape is the acoustic environment of various sound sources that can be felt by people. The soundscape approach involves the subjective aspects of a person to be able to feel the acoustic environment in a real way.

Measurement is done by recording the noise generated by each type of muffler and engine cylinder volume. After that, the results of measurement will be heard to the respondent to assess the comfort level with the media in the form of a questionnaire. The results of each questionnaire will be tested for variance (Kurska Walis test) to identify differences between samples. The results obtained showed that on average the respondents considered the overall sample of sound to be a normal level of comfort, not sounding noisy or too comfortable. The level of concentration of respondents when listening to a sample of sound is not high because 80% of respondents consider a difference from each sample of sound. Whereas from the statistical test, it was found that there was no significant difference in the whole sample of the sound.

Keywords : Noise, Muffler, Soundscape, Perspective