DESIGN OF BARRIER FOR REDUCTION NOISE LEVEL WITH MAEKAWA METHOD

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Abstract
The noise source especially in the residence can happen because the design of residence location or noise attenuator is not good condition. From the outdoor observation result, obtained the noise level in Arif Rahman Hakim street are 85-95 dBA. One of the effort to reduce the noise level is design of barrier between the housing and the highway. It using the Maekawa method. The goal of design is as an effort to reduce the noise level that happened in society area so that the around of this area not disturbed by noise. The barrier specification have 3m for high, and the thick between 23.88cm – 28.9cm that expected it can reduce noise level as big as 33dBA so that it can be suitable with the ideal condition for the living place especially near the noise source.

Keywords : Noise; barrier; Maekawa Method