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In Indonesia, in rural areas, many people use their land to grow rice. Rice planted by the community has decreased productivity due to pests that attack the agricultural sector, pests that often attack the agricultural sector are rats. Ways to eradicate rat pests such as giving rat poison and installing mouse traps. Rat poison has the disadvantage that it can damage the ecosystem if eaten by other animals, and is not good for human health. There is technology in the electronics field, namely a multivibrator that can generate frequencies and use the output of a speaker that emits frequency waves that can interfere with rat pests. The rapid development of technology, especially technology in the field of electronics, has a lot of influence on human life to carry out daily life. In this study, the frequencies are 20 kHz, 30 kHz, 40 kHz, 50 kHz which are set at a distance of 1 m, 2m, 3m, which will then be concluded at what frequency and at what distance the rat pest will be disturbed.

Keywords : Rice, Rat, Technology, Frequenc

