

DESIGN OF AUTOMATIC AUDIO BIOHARMONIC SYSTEM AS A PLANT GROWTH STIMULATOR WITH REMOTE CONTROL

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ABSTRACT

The purpose of this study is to design an appropriate technology for an audio bioharmonic system (ABHS) using a remote control to increase the effectiveness or features of the device by adding features to the selected mode of several manipulated frequencies so that one ABH device can be used in several different frequencies, and tested the validity of the ABH output sound spectrum as a growth and productivity stimulator after being designed with the remote controller. The bioharmonic used in this study is the sound of manipulated gurenggung animals in the sonic bloom range, which is between 3000 Hz – 5000 Hz. This research is a development of previous research, where the tools used previously were still limited to one sound mode with a single frequency. As a result, one device cannot be tuned into sound modes with different frequencies. With the addition of features to this tool, the effectiveness of the tool will be higher, making it easier for farmers to use it.

Kata Kunci: *Audio Bioharmonic, sonic bloom, automatic, remote control*