

ABSTRACT

Title	SOLAR POWERED BIRDS AND RATS PEST REPELLANT USING ULTRASONIC GENERATOR
Researchers	AGUILAR, Freddie T. CERENO, Ravin P. MARISCOTES, Neil Byronne B. PEREZ, Eugene Alison L.
Adviser	Engr. Emmanuel T. Longares
School	De La Salle University – Dasmariñas
Pages	92
Year	2007 - 2008
Degree	Bachelor of Science in Electronics and Communications Engineering

The Philippine Agricultural Industry has a lot of potentials and opportunities to grow. However due to pests that infest plantation, added to the fact that the Philippines is within the typhoon belt in South East Asia, the local vegetation have always been of low quality.

This study aims to improve the quality of vegetation in the Philippines. To solve this, the proponents have devised a scheme of designing a sound wave generator that can produce sounds that are deterrent to certain pests. In this project, the proponents learned the different effects of sound on birds and rats at different frequencies.

The Solar Powered Birds and Rats Pest Repellant Using Ultrasonic Wave is a sound wave generator tuned in a frequency that is deterrent to birds and rats. This device is powered by a battery that is partially aided with the energy of the sun through the solar panel

