

Design and fabrication of a harmful insect trap using black light powered by solar energy.

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Abstract: This topic aims to research the design and fabrication of an effective pest insect trapping system, based on the principle of attracting insects through a special light source - a black light lamp. By combining solar energy technology to ensure stable operation without relying on traditional power sources, this topic contributes to solving environmental and public health problems caused by insects. Through theoretical and experimental research, the objective of this topic is to build an insect trapping system that can be widely applied in agriculture and urban areas, in order to minimize the harm of pest insects while ensuring economic efficiency.

Keywords: Insect trap, black light lamp, solar energy