

Building an automatic vegetable care model using hydroponics

Duong Van Thai

Abstract: In the context of increasing urbanization and high demand for clean food sources, this topic focuses on building an automated vegetable care model using hydroponic technology. The project aims to develop a comprehensive automation system from planting to harvesting, ensuring the supply of clean vegetables with optimal cost and productivity. The research method combines theory and experimentation to design and test the system. The expected result is a significant contribution to the application of advanced technology in urban agriculture, creating a sustainable solution for food supply.

Keywords: automatic hydroponics, clean vegetables, urban agriculture, biotechnology, self-managing system