

Smart Farming is a modern agricultural concept that applies information and communication technology in the agricultural process. In the context of preserving orchid seeds, Smart Farming can help farmers in integrating and managing the environmental conditions needed for orchid seeds to grow optimally.

This research implements Smart Farming in orchid seeding using Internet of Things (IoT) technology and an automatic control system. Through this application, farmers can maintain environmental conditions such as humidity, temperature and light in the planting medium easily and accurately. In addition, an automatic control system can regulate and maintain environmental conditions that require orchid seeds more effectively and efficiently.

The results of this research show that the use of Smart Farming can increase the productivity and quality of the orchid seeds produced. Apart from that, the use of Smart Farming can also help farmers reduce the costs and time required in the process of sowing orchid seeds. Therefore, the use of Smart Farming can be an effective alternative in an effort to facilitate the preservation of orchid seeds and improve the welfare of farmers.