

Building a mobile application for detecting and warning about diseases on corn leaves using deep learning

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Abstract: This topic focuses on building a mobile application system capable of identifying and warning about diseases on corn leaves through deep learning methods. The context of the topic is determined by the necessity in agriculture to effectively manage the disease status of crops. The main objective is to develop an automated system that helps farmers monitor and address corn plant health issues early. The research method involves using deep learning techniques such as deep neural networks to train a disease recognition model from leaf images. The expected outcome of the topic is to provide an effective support tool, contributing to improving agricultural productivity and quality.

Keywords: Mobile application, deep learning, plant disease recognition