

Research and development of a web-based system for diagnosing tea leaf diseases from images using artificial intelligence.

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Abstract: In the context of increasing attention to crop quality management, this topic aims to solve the problem of accurately identifying tea leaf diseases through image analysis. The objective is to build an AI-based Web system capable of recognizing various tea leaf diseases from image data. The research method includes collecting and processing image data, deploying a deep learning model to accurately classify disease types. The expected result is to provide a rapid diagnostic support solution for farmers and scientists, thereby contributing to improving tea production efficiency.

Keywords: artificial intelligence, image analysis, tea leaf disease diagnosis