Medicinal Leaf Classification Using Artificial Intelligence

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Abstract: The automatically identified by the medicinal plant species is required in environments such as mountains, forests, and densely populated areas. Medicinal plants (herbs) are plants that have been shown to contain health-promoting compounds. Indonesia has 30,000 plant species, 7000 of which are medicinal plants (herbs). Chemical medicines contain inorganic and pure chemicals, whereas the human body is complex and organic. As a result, chemical medicine is deemed unfit for human consumption and, in large quantities, can be harmfully for human health. Some chemical drugs, on the other hand, are symptomatic (temporary), and patients with certain diseases must continue to take them for the rest of their lives. As a result, a system is needed to help the community identify medicinal plants, which in this case are concentrate here on opening of medicinal leaf. In this study, the CNNs (Convolutional Neural Network) method was used to determine a medicinal plant leaf. This research will use Convolutional Neural Networks to develop a system for identifying medicinal plant leaf. Using computer-generated training data to determine its varieties and advantages of medicinal plant leaf.

Keywords: Image Recognition, Classification, VGG19, Machine Learning

REFERENCES