Abstract

Ornamental plants include all plants that are intentionally planted to beautify a space or place such as decorating a room, garden, certain ceremonies, flower garlands, and so on. One of the leaf ornamental plants that are currently trending is the Latin name Monstera Philodendron or known as the perforated widow which is a very unusual plant where the blades are perforated and striking. Because of this uniqueness, many enthusiasts of this Monstera plant make many naughty traders or people not responsible for committing fraud against the sale and purchase of ornamental plants. How to find the differences of monstera plants, it is necessary to use the convolutional neural network (CNN) method and the VGG 16 architecture used in this research to make a system that can classify monstera plants according to leaves, because it has the Advantages are small size, high speed and residual learning. Faster convergence, better generalization and resolution of degradation problems.

Keywords: ***Monstera Classification, Convolutional Neural Network (CNN), VGG16.***