

ABSTRACT

At this time, technological developments in the field of informatics are developing very rapidly. With the development of increasingly modern times, systems that have been made are also increasingly sophisticated. One field of research that has developed until at this time is Artificial Intelligence (AI). Developments in AI science, one of them is deep learning. Deep learning can be interpreted as a series of methods for training multi-layer artificial neural networks. Deep learning is used for the introduction and classification of objects is Convolutional Neural Network (CNN) because it has been widely used in previous research and produces satisfactory results in image recognition.

In this field work practice report, the introduction of a figure in the form of an image using Tensorflow framework with data obtained from MNIST. The way it works is that the program will train a data containing the picture frame, then make the checkpoints in the folder that has been determined as a result of training which is a model. Convolutional Neural Network (CNN), which will be useful for reading numbers in the input frame image entered.

Keywords : Artificial Intelligence, Deep Learning, Convolutional Neural Network, Tensorflow, MNIST