
Abstract

Coronavirus Disease 2019 (COVID-19) is a disease caused by the SARS-CoV-2 virus (Severe Acute Respiratory Syndrome Coronavirus 2). Detection of COVID-19 is generally carried out using a reverse transcription polymerase chain reaction (RT-PCR) test. However, RT-PCR testing is take times and the accuracy is low. Therefore, one alternative for detecting COVID-19 is to use Deep Learning based on CT-Scan images. using the External In this research, the author will build a model to detect the COVID-19 Attention Transformer method. This research aims to build a model to detect COVID-19 based on lung CT-Scan images of 2482 data consisting of lung images with COVID-19 and another lung disease. The results of this research are the EAT model with an accuracy of 79.46% and an f1-score of 81.31% in predicting COVID-19 with CT-Scan images.

Keywords: COVID-19, EAT, CT-Scan