

ABSTRAK

Face Recognition is a technology that aims to identify and verify a person's identity based on their facial characteristics. This method has become an important research area in pattern recognition and artificial intelligence. The facial recognition process involves acquiring facial images, extracting facial features, and comparing them with existing data in a database. Techniques such as face detection, feature extraction, and deep learning algorithms such as Convolutional Neural Networks (CNN) have made significant progress in the accuracy of facial recognition. Applications of facial recognition include security, emotion recognition, monitoring, and authentication on devices. While challenges such as pose variations, lighting, and age still exist, developments in this technology continue to improve its performance and relevance in a variety of fields.

Face Recognition uses an output process stage that uses TXT logs, where when this application processes a video and finds the person you are searching for, the results will be entered into the logs.

Keywords: Face Recognition