

## **ABSTRACT**

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DEVELOPMENT OF FACE DETECTION APPLICATIONS WITH ANTI-SPOOFING FEATURES USING CONVOLUTIONAL NEURAL NETWORK ALGORITHMS USING PYTHON

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Face recognition is a technology that allows computers to recognize human faces automatically, with the help of AI the detection will be more accurate. This thesis discusses creating a face detection application with anti-spoofing features using a convolutional neural network algorithm using Python. The functions contained in this application include adding new user data as an application dataset and recognizing the user's face. The test results show that the application is able to recognize real faces or faces in the form of photos or images with success 89 %

References (2003 – 2022)