ABSTRACT

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APPLICATION OF ANIMAL IMAGE CLASSIFICATION USING CONVOLUTIONAL NEURAL NETWORK METHOD

This research aims to develop a web-based image classification system application for animal species using machine learning methods. The system is designed to recognize and classify different types of animals from images uploaded by users through the web. The method employed is the Convolutional Neural Network (CNN), which will be trained with a dataset of animal images. The training process of the CNN model is conducted using the Python programming language and utilizes the TensorFlow and Keras libraries. Subsequently, the trained model will be implemented into a web-based application using PHP programming language and the CodeIgniter framework. This application is expected to assist users in identifying various animal species more easily and quickly, and can be used as a supportive tool in wildlife research and conservation efforts.

Bibliography (2019 – 2023)