



Indonesian Food Recognizer

Recognize 5 popular Indonesian foods



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Taking food image before eat become a **common habit**. Food image recognition is interesting because it can be useful in health industry to obtain many **information** from an image such as **calorie, nutrition, etc**. The **challenging** part of food image recognition is to recognize a food image with **different background, intensity, and perspective**.



5 popular Indonesian Food

Model trained and evaluated using 11000 images consist of 5 popular Indonesian food:

- Rendang
- Sate
- Gado-gado
- Bakso
- Ayam bakar



Very Deep Convolutional Neural Network

Model has been built using Convolutional Neural Network (CNN) approach and Inception-v4 architecture with transfer learning technique. Inception-v4 is popular CNN architecture introduced by Google.



Achieve 96.82% Accuracy

Our model has been evaluated using 1100 testing data that is split into 5 Indonesian food categories, with each category containing 220 images.



Computer Science

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