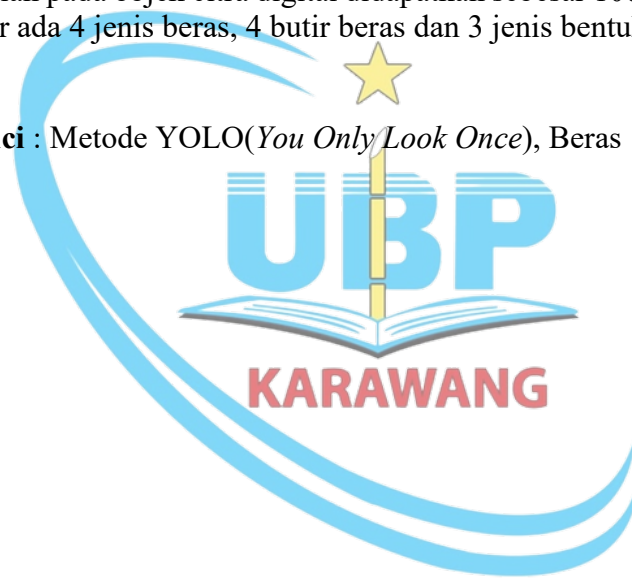


ABSTRAK

Beras adalah makanan pokok yang banyak mengandung energi bagi kehidupan manusia. Ada beberapa jenis beras yang sering dijual di toko beras pada umumnya yaitu beras IR42, beras Pera, beras Ketan dan beras Pandan wangi. Untuk saat ini masih banyak orang-orang yang belum mengenali ke-4 jenis beras tersebut khususnya kaum milenial, untuk itu dilakukanlah penelitian tentang pengenalan jenis beras. Tujuan dari penelitian ini untuk mempermudah pembeli mengenali jenis beras yang ada di toko beras sehingga, meminimalisir kecurangan para pedagang beras. Metode yang digunakan pada penelitian ini yaitu metode YOLO(*You Only Look Once*) v3 terhadap pendeteksi jenis beras. Implementasi dari proses pendeteksian gambar menggunakan YOLO(*You Only Look Once*)v3 ini telah diuji sebanyak 12 sample. Berdasarkan hasil pengujian 12 kali percobaan pendeteksian pada objek citra digital didapatkan sebesar 100% dimana pergambar ada 4 jenis beras, 4 butir beras dan 3 jenis bentuk beras.

Kata kunci : Metode YOLO(*You Only Look Once*), Beras



ABSTRACT

Rice is a staple food that contains a lot of energy for human life. There are several types of rice that are often sold in rice shops in general, namely IR42 rice, Pera rice, glutinous rice and Pandan fragrant rice. For now, there are still many people who do not recognize the 4 types of rice, especially millennials, for this reason, research is carried out on the introduction of rice types. The purpose of this study is to make it easier for buyers to identify the type of rice that is in the rice shop so as to minimize fraud by rice traders. The method used in this study is the YOLO (You Only Look Once) v3 method for detecting rice types. The implementation of the image detection process using YOLO (You Only Look Once) v3 has been tested for 12 samples. Based on the results of testing 12 detection experiments on digital image objects, it was obtained 100% where in the picture there were 4 types of rice, 4 grains of rice and 3 types of rice shapes.

Keywords : YOLO(You Only Look Once) Method, Rice

