# Pengembangan Aplikasi Pengenalan Objek Berbasis Autonoumus Quadcopter

## by Yatmono, S, Nugraha, A C, Khoirudin, M, Hakim, M L

ABSTRACT

**Abstract.** The development of image processing science is needed to solve problems that are often faced by humans, especially in the field of computer vision. One application of the image processing system is on a package delivery mission during the Covid-19 pandemic. Drones are used to send packages by detecting the presence of Qr Code to determine the point of delivery location. In this study, tests will be carried out on the maximum distance (vertical and horizontal) that can be detected by the Qr Code detection system and the length of time to detect the presence of the Qr Code (time spent). The test shows that the greater the data collection distance (vertical and horizontal), the longer the system detects the presence of the Qr Code. The maximum horizontal distance that the Qr Code can detect is 155 cm, while the vertical distance is 115 cm. The detection distance at vertical is smaller than horizontal because the vertical distance is affected by the field of view (FoV).

Kata Kunci: *Black Box Testing, Jarak Vertikal, Jarak Horisontal, field of view*