Development of Object Recognition Applications on Humanoid Robots for Moving Objects

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ABSTRACT

Image processing in its development is very helpful in solving problems often faced by humans in general. Image processing is used for technological purposes, especially in the field of computer vision. In previous research we discussed the application of image processing technology to stationary objects, next in this research we will discuss the use of image processing technology for the detection of moving objects, especially in humanoid robots. Image processing is a form of processing or signal processing where the input is an image and is transformed into another image as output using certain techniques. In this research, the objects used are moving objects, so with this image processing method the humanoid robot can recognize and pursue these moving objects. The target of this research is to develop an object recognition application on a humanoid robot for moving objects, so that the robot can actually recognize the object.

Kata Kunci: *computer vision, robot humanoid, image processing*