

ARDUINO UNO-BASED ENEMY DETECTION SHIELD

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ABSTRACT

Shield is a word that means shield (protector) that serves to protect. This tool is in the form of a shield that usually covers from head to knee from blunt, sharp weapons, to projectiles. The shield is made of wood which is light and easy to carry. This shield can detect enemy targets up to 7 meters ahead, if the target is less than 7 meters. This shield has a human motion detection sensor (PIR), so that people passing in front of the shield will be clearly visible on the LCD in front of the user. Users can see the LCD screen when there is an enemy that crosses in front of the shield, the detected object is in the form of human movement and the sensor generated by the human, so that it can be detected by the sensors embedded in the shield.

Keywords: *Military, police, self-defense*