Abstract

Because humans and vehicles share the road, this cause frequent accidents between vehicles and pedestrians. The crossing increases the efficiency of road users especially in very densely populated areas, with increasing population this cause the accident rate to increase. Smart City and IoT (Internet of Things) are belived to be able to create a sistem in city planning. The making of the Smart Crossing Lights Prototype is based on thi, where later this prototype will use a Ultrasonic sensor to detect pedestrians who will cross the road and Passive Infrared sensor to detect vehicles that will pass by measuring the distance and speed of the vehicles that will pass the crossing. LED light as the crossing light will light up when sensor detects an objek that will cross the road and the distance of passing vehicles safe limits to stop.