Abstract

The development of Indonesia's urban traffic volume can up to 15% per year, with the growing number of vehicles in Indonesia giving its own problem to the needs of parking spaces. The conventional parking system currently focuses on the driver to find it own parking slot which can increase of disposal of gas emissions dan waste of time. CCTV placed in parking lot can be used as tool to determine the number of empty parking spaces lot by implementing computer vision on CCTV which is capable sending data to the for server to be reprocessed and return the available of parking slots. Result from testing with using 3 sample video of parking slot from different days giving a total accuracy with 52,33%.

Keywords: ***CCTV, Computer Vision, Parking System Lot, CNN Model, Convolutional Neural Network.***