



**PROJECT REPORT**  
**INDONESIA LICENSE PLATE NUMBER AND VALIDITY**  
**PERIOD RECOGNITION SYSTEM FOR VEHICLES USING A PRE-**  
**TRAINED CNN**

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## ABSTRACT

*License plate recognition or we can call LPR has been used since a long time ago and has many benefits. LPR systems typically use cameras to capture images of vehicle registration plates, and then the software is used to compare those images against a database of number plates. This technology can be used for a variety of purposes, including security, law enforcement, and traffic management. Licenses in every country have their design and some of them have unique features. Indonesian license plates have a unique number at the bottom of the license plate number that shows the validity period of a vehicle, Therefore, modification of the existing license plate recognition system like multi-line detection can be approached using pre-trained CNN. In this study, the author modified the existing license plate recognition system using pre-trained CNN. This study aims to detect the validity period of Indonesian vehicles and recognize Indonesian license plate numbers while speeding up and simplifying the training process of license plate recognition. This research aims to be used for law enforcement purposes in Indonesia.*

*Keywords: license plate, recognition, pre-trained, Indonesian, Yolo*

