***ABSTRACT***

*Traffic signs provide directions for road use, the picture shown can reduce the rate of road accidents. Images of traffic signs that are unclear because they are old have the risk of causing accidents. So it takes a knowledge that can provide an explanation of the image / pattern of traffic signs that are not good.*

*From the problems that occur, by using artificial neural network science that applies the kohonen method, it is hoped that it can help in solving traffic sign pattern recognition by building an android-based system that can be used by Android smartphone devices.*

*The results of this study create an Android-based system that is easy and efficient in its use because it does not require a data package or internet connection.*