ABSTRACT

In the field of forensic identification, age is a very important thing. Dental X-ray results, in this case using dental panoramic, is a tool for forensic experts to determine the approximate age of the bodies being diidentifikasinya. The results of panoramic dental x-ray shows the arrangement of the teeth that look and that will grow is still located in the gums. Therefore, to obtain proper forensic results,
it is required that age identification accuracy.

At the end of this task, an application developed to identify image looks hardcopy teeth from displacement (scanning) panaromik X-ray results to an output of the estimated age. The system is made with a view to optimization of age identification is usually done manually and requires a lot of the old process. Classification This final feature of the method Schour and Massler, a method using the approximate age of the picture diagram of teeth based on the classification process as well as the milk teeth and permanent establishment of crown formation of milk and permanent teeth. Final Project is also using Fuzzy Logic as the ultimate decision maker.

The system is able to identify the dental panoramic X-ray of the right age to estimate the level of accuracy 66,67%. In addition, the image resolution will also be considered in order to obtain optimal system performance.

Key words: Schour and Masler, panoramic dental, digital images, scanning.