Abstract

Classification formula is giving mark on each finger print column that showing basic form interpretation, ridge counting, loop pattern, and the line way. Core and delta are part of human finger print characteristic that can be used for finger print formula's. Today, most of finger prints processing system still using conventional way. The conventional methods have some lack, that is not accurate in finding identification result, and the other is someone in the different places can has more than one finger print formulas. So, it is needed a software that facilitate on deciding finger print formulas.

This final assignment have been realized a software to get finger print formulas for loop fingers. The formulas are made by the author by using core point parameter, delta point, and ridge counting. Method for getting core point parameter, delta point, and ridge counting is made by author by looking for the sample pattern and theory from dactiloscopy book.

From the test that has been done, the correctness percentage for deciding core is 76%, for deciding delta is 94% , for ridge counting is 74% and for formula is 70%

Keyword: Finger print, Classification formula, Finger print formula, ridge counting.