

ABSTRACT

Now in many parts of the world technology has been developed that is able to identify individuals from individual biological characters known as Biometrics. Biometrics itself is a way of identifying and verifying individuals based on their physical characteristics or behavior. So fingerprints are an option to detect a child's personality. The desire of parents to print their children into superior seeds is getting bigger. Questions about how to maximize talent, potential, and children from the start often haunt the minds of today's parents. Realizing the importance of this, psychologists continue to perfect tests to analyze children's intelligence and personality.

With the occurrence of this problem, this Final Project will design a system that can read fingerprints with the outputs. Know the child's personality and learning style. This system is designed by using the Gray Level Co-Occurance feature extraction and is classified by the K-Nearest Neighbor (KNN) Method and Decision Tree which can be used through data or facts that move forward to an outcome

In this research, the two classification methods have different accuracy, KNN has an accuracy of 85% and 89% Decision Tree has more accuracy than KNN because it uses a decision tree.

Keyword : *fingerprint, Learning style, K-Nearest Neighbor (KNN), Decision Tree*