

ABSTRACT

Personality assessment can be done in various ways, one through handwriting assessments based on certain criteria. Personality assessment through handwriting analysis or graphology were considered to reflect the personality of a person because of writing movement controlled by the brain that contains the memory of life experiences and stored in the subconscious. Today, assessment process through graphology analysis still using manual process so that this thesis was built to make an automate system to accelerate that assessment process.

In this thesis, the assessment of the personality seen from the size and slant of handwriting where using the method of direction feature of the Modified Direction Feature (MDF) in determining the angle of the text. The value of the size and slant of the text then classified by Adaptive Neuro-Fuzzy Inference System (ANFIS).

The testing result using testing data can be known that the personality finding system using MDF and ANFIS is able to achieve 58,33% accuracy for 9 personality output classes, 80% for 4 personality output classes, and 100% for 2 personality output classes.

Keywords: *assessment of personality, graphology, handwriting, Modified Direction Feature, MDF, Adaptive Neuro-Fuzzy Inference System, ANFIS*