

ABSTRACT

Sundanese letter is a cultural heritage that must be preserved, but the public less familiar to read this letter. This research explains how the design and analysis of a sundanese letter translator system. The translated sundanese letter is media printed, and handwritten. Steps being taken in this study is the image acquisition, preprocessing, segmentation, extraction and classification. The method used in this research is Speeded Up Robust Feautres method for features, and Radial Basis Function Neural Network. Script is translated per one syllable. Data test is one word, total 20 words represent all class being tested 89,36% of accuration with 1,54s computation time with print screen datas, 89,1% of accuration with 1,53s computation time with scanned datas, and reach 52,65% of accuration with 1,48s with hand written datas. System can tolerate scale changes about 25% to 50% with accuration tolerance about 10% to 20%

Keywords : Speeded Up Robust Feature, Radial Basis Function Neural Network, Sundanese script.