

Abstract. Argumentation is a sentence that provides strong and convincing reasons based on existing facts as a basis of reference in conveying an opinion. Argumentation mining plays an important role in analyzing and understanding an argument. This study focuses on classifying arguments using the k-nearest neighbor (k-NN). The main objective is to analyze the argument classification and to compare the performance of argument classification when using preprocessing techniques (stemming and stopword removal), not using stemming, now using stop removal and not using both stemming and stop removal. Testing on classification using preprocessing obtains an optimal accuracy at K=5 with value 89,41%.

Keyword : argumentation mining, k-nearest neighbor, stemming, stopword removal
