Abstract

In relationship in a complex network, we often faced the existence of an incoming data into several communities or more than one community in a network, such as the case is called Overlapping Community Structure. Detection data Overlapping Community is not easy, because clustering of data into several communities have a different leves of membership. In this Final Project that will be the case study for detection user on microblogging in network into several community. There are several methods of uncovering this case, one of the methods that will be used for the method is Fuzzy C-Means Clustering method which is development of the K-Means Clustering. In some previous studies [2,9]. At some reference is obtained satisfaction result regarding the performance of Fuzzy C-Means Clustering to handle cases Overlapping Community Structure.

Keywords: *Fuzzy C-means clustering, microblogging, Overlapping Community Structure*