The purpose of the study is to compare the alliance groups determined by Braun Blanquet method with the groups of TWINSPAN and Cluster methods. Cluster analysis can confirm many of the alliance based on Braun Blanquet method. However, TWINSPAN confirms all alliances up to 100%. TWINSPAN, an objective method at the same time distinguishes the groups like Cluster method hierarchically. It can define the groups as negative and positive indicators due to its difference from the Cluster method. The result of TWINSPAN by using absence-presence data matrix however does not confirm the results of Braun Blanquet fully. In this situation, the data type must be taken care of according to the scale of study area because of the differences between the results of parametric data and the results of presence-absence data. It seems the best way to apply TWINSPAN method is based on parametric data for the small scale examples like Kayseri Sultan sazlığı.

Key Words: Braun Blanquet method, Cluster analysis, TWINSPAN analysis, vegetation classification.