

ABSTRACT

Indonesia is currently ranked 16th in the Gross Domestic Product (GDP) level in the world and is the 3rd largest economy among the G20 countries. Currently, there are 3.02 million capital market investors in Indonesia, an increase of 17.8% from the end of 2019. Companies listed on the main stock listing are companies that have operated and posted operating revenues for more than three years. The choice of mining sector objects on the main stock listing board is a consideration because it has the potential to generate profits for investors and is supported by the rising gold price. This research uses clustering analysis method with fuzzy c-means clustering which aims to group companies into clusters, after which the optimal cluster is determined by looking at the centroid value and supported by descriptive analysis. The population in this study were all mining sector companies that were on the main stock listing board. The sample in this study was data from 19 companies for 36 months, as many as 684 data. The results of this study are recommendations for purchasing shares of 3 companies that enter consecutively into the optimal group. Keywords: Mining Companies, Main Record Board, Fuzzy C-means Clustering, Optimal Group.