The banking sector is one of the most important factor in terms of economic development for a country. Powerful and healthy banking sector is accepted as a precondition for sustainable economic growth. One of the most significant features of firms that survive in a competition environment is able to measure their performance periodically, develop available reactions and proactive solutions by evaluating the results. The purpose of this paper is to measure and compare of 10 bank’s financial performance with ELECTRE method for the period of 2005-2011 that traded İstanbul Stock Exchange (ISE) shares. Because of banks’ financial performance are effected lots of factors, too many criteria need to be considered for measuring them. So, in this paper, we use profitability, liquidity, leverage ratios and asset quality to measure. As a result, Finans bank takes place first and Şeker Bank gets last related to financial performance among the others

Keywords: Electre Method, Financial Performance, Banking.