ABSTRACT

Our tourism sector must be stable so that the economy in Indonesia can always run. However, the financial health of a company can be seen from its financial performance which is listed and processed using Microsoft Excel financial report data to obtain calculation data from each model and then analyzed. If the problem continues then the company could go bankrupt in the long term. One way to measure the level of company bankruptcy is to use Grover.

This method utilizes a company's historical financial data, including financial ratios, liquidity, profitability, and other relevant factors, as input features to train the Grover model. We use data from tourism sector companies registered on the IDX in the period 2018 to 2020. The results of analysis from variable calculations and G scores using the Grover model show that of the 10 tourism sector companies there are 9 companies that are not bankrupt, 1 company is predicted to go bankrupt.

The importance of companies detecting bankruptcy encourages researchers to create bankruptcy prediction applications for companies. Researchers hope that the bankruptcy prediction application using the Grover model can overcome problems in each company and this application was built using the PHP programming language and the Laravel framework. The development process uses the Software Development Life Cycle (SDLC) waterfall. The functionality tested uses the black box testing method.

Keywords: Bankruptcy, Prediction, Grover, Company, Tourism.