Abstract

PT Garuda Indonesia is one of the companies that have applied Bussiness Intelligence (BI) for processing company data that exist and have some input into decision-making and making strategic plan in the management of its business. The data on the company will grow larger and will turn into big data. The big amount of data which continues to flow named data stream. Algorithm which applied to the data stream is diverse, one of which is Very Fast Decision Tree (VFDT). This study uses VFDT to determine the delay or absence of a Garuda flight schedule. VFDT algorithm applies the Hoffding Bound principle in the implementation of generating the tree. The accuracy results from the adoption of this VFDT influenced by Nmin, confidence level and tie confidence / tie breaking. Keywords: Business Intelligence, Delay, VFDT. With the application of the method VFDT obtained by 93.14% accuracy in predicting the delay of the flight schedule aircraft.

Keyword *: Business Intelligence, Delay, VFDT*