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Implementation Of Data Mining In Determining Purchase Patterns On Purchase Order Documents Using Association Rule Algorithm (Case Study Of PT Dwi Agung Sentosa Pratama)

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The manual system that typically used to be used by everyone is promptly gradually changing to a computerized system. This is because the outdated manual system is flexible to error. In the current era of globalization, information technology has been applied in various fields, both goods and services. This is achieved to improve service quality and work efficiency within the company itself. Therefore, gradually more and more companies are adopting technology as an information system that will help the entire process running at the company. PT Dwi Agung Sentosa Pratama or PT DASP is a national company engaged in engineering, civil and construction. The process of data collection and approval of purchases, sales of goods and services at PT DASP, the system carried out is still manual where the office treasurer collects goods using Microsoft Office and Microsoft Excel, as a medium for printing purchase order data, then the recorded data is submitted to the company director for approval. get approval. The identification of the problem in this research is to find a way to invent a web-based system to maintain the documentation of goods computationally. and create a data mining system feature for purchase order data implementing the Apriori algorithm. This study aims to make it easier for users, especially purchasers at PT DASP, to collect data and the purchase order data mining feature is expected to provide information about the details of goods that are often ordered by PT DASP.

Keywords: *purchase order, association rules, algorithms, apriori, data mining.*

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