

## ABSTRACT

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Title : Implementation of E-commerce Applications to show relevance of goods in supporting inventory by using the Apriori Algorithm (Case Study: Reseller on Instagram).

*Abstract - At present, the sale of many goods is done online. The purpose of sales is done online in order to increase sales because it can be done anytime and anywhere. As online sales develop, it encourages the development of online sales applications. Online sales applications make sales transactions happen quickly so that the movement of goods inventory also takes place quickly. There are times when items are purchased more than one and occur simultaneously. Information about the behavior of customers who buy goods simultaneously is very helpful to determine the inventory of goods so as to avoid the vacuum of inventory. There are several methods used to determine the relationship between the purchase of goods. One of them is by using apriori algorithm. This paper aims to build a sales application that is supported by the facility of managing sales data in order to determine the relationship of more than one sale of goods using apriori algorithms.*

*Keywords:*

*Online Sales, Purchases, Stock Products, Apriori Algorithms*