

ABSTRACT

Convection BMS.CO is a manufacturing company in the business of manufacturing clothing such as plin shirts, screen printing shirts, jersey, shirts, and hats. This convection company is run by Ilham Saputro and is based in Kencong Village, Kepung District, Kediri Regency. This business owner continues to strive in developing his business from time to time. The convection began in 2017. Within a month the BMS.CO Convection can producw approximately 1000 to 1500 t-shirts with different designs and can produce up to 5000 t-shirts if one design every month. BMS.CO Convection still does all transactions manually by writing the transaction on the memorandum and transferring it to the book. Financial records that occur in convection do not follow the accounting recording method, so the records are still irregular. BMS.CO Convection calculates raw material costs, labor costs, and overhead costs manually while production is done every day. Manual recording will cause ineffective in checking and recording data because they have to open a transaction book. Order calculations to determine prices by way of estimation can result in losses due to incorrect estimates. The recording of financial transactions at convection is handled directly by the owner, so if handling all transactions that produce a lot of costs and occur every day will require a long time. Therefore, it is necessary to have an information system that aims to calculate the cost of goods manufactured using job order cost method which can manage the cost of process cost, manage the purchase of raw materials, produce journals and ledgers, produce cost of goods order cards, and produce cost price reports production. The cost of production report provides information about the production costs incurred in Convection BMS.CO in one period. Making this application using the prototype method, to build applications, the applications needed are PHP, codeigniter, MySQL. The design used in the system is Entity Relationship Diagrams, Use Case Diagrams, Activity Diagrams, Class Diagrams, Sequance Diagrams, and BPMN (Business Process Modeling Nation), and blackbox testing.

Keywords: Cost of Goods Manufactured;