

## **ABSTRACT**

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*CV. Bakti Utama is a company engaged in manufacturing. CV. Bakti Utama is the main producer and distributor of bottled drinking water (AMDK) under the brand Atra Water (pure oxygenated drinking water) which is located at Jalan Raya Laswi No. 638 Pakutandang Ciparay, Kabupaten Bandung, West Java. As a manufacturing company that conducts production activities, it is necessary to calculate all production costs such as calculating raw material costs, labor costs and factory overhead costs. In calculating the cost of production and recording sales of CV. Bakti Utama is still done manually, which can cause errors in recording. Therefore, an application is needed that can manage the calculation of cost of production and record sales. Making this application uses object-based development methods. This development process uses Software Development Life Cycle (SDLC) using the Waterfall method. The code generation phase uses the CodeIgniter Framework with the PHP language. Testing applications using Black Box Testing.*

*Keywords—Application, Framework, CodeIgniter, PHP, Black Box Testing*