

## ABSTRACT

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*CV. Triwarna Mulia Indah is a shoe manufacturing company. In running the business process, the problem faced by this company is the calculation of the amount of raw materials used in the manufacture of shoe retail and the existing calculations are less appropriate to the condition of the company. From these problems, raw materials inventory and does not cause inventory costs. Due to the company's system to make the order, then required the application to handle the process of purchasing raw materials and production cost calculation using the method of Just In Time so as to overcome the cost reduction by pressing the purchase cost in order not to cause Inventory costs. The design and development of this application using structured methods of System Development Life Cycle and Unified Modeling Language in the form of use case diagrams, activity diagrams, class diagrams and sequence diagrams. This web-based application uses PHP programming language and Code Igniter framework and using MySQL as database storage. Testing on the application is done by Black Box Testing method. This application is able to generate records of journals, ledger and cost of goods sold and income statement.*

*Keywords: Unified Modeling Language, Just In Time, Framework.*