

## ABSTRACT

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*CV Amanda Bandung is one of manufacture company that produces any kind of brownies. Material Requirement is the main thing in making brownies. Procurement of materials use some permanent suppliers in order to minimize the occurrence of material stock emptiness from one of a supplier. To overcome those matter, some aims of this research is to determine the lot sizing, determine the total of lot sizing, cash monitoring upon ordering raw materials and managing accounting records such as journal and general ledger. Then to fulfill those aims, the system is built with waterfall method on the stage of SDLC (system development life cycle). SDLC is the stage of information systems development which starts from an analysis that is the process of collecting system requirement, up to system testing. Lot for lot method is a dynamic method which considers the determination of production lot size when various demand with the limited time, thus inventory should be provided as requested and minimize the amount of inventory. There are three parts of testing those are manual testing, application testing, and black box testing. Application testing is able to give decision awards lot size in every material requirement, determine the maximum of the total cost for material orders, able to cash monitoring of base income which is already reduced by expense, and display the accounting reports such as journals and general ledger.*

*Keywords: Inventory Management, Cash Management, Lot sizing, Lot for lot*