

## ABSTRACT

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*AKM Workshop is an entrepreneur engaged in car repair services. Inventory planning and control is very important because competition demands that the workshop requires proper management. The problem faced by the workshop is the planning of spareparts to customers who are still manual and the control of spareparts to suppliers who have some inventory properties. The nature of the inventory requires the procurement of spareparts to be controlled. Based on these problems, a web-based application was built that can handle the planning and control of inventory spareparts with approach Job Order Cost. The application is built using the method waterfall with Software Development Life Cycle (SDLC) development, the design process uses the system modeling Unified Modeling Language (UML), database design uses Entity-Relationship Diagram (ERD) and the structure between tables, and the application builder programming language uses PHP with the Codeigniter framework and the language MySQL query. Functionality runs 100% between manual and Black Box Testing method. Once implemented, the application is able to manage material requisition, purchase orders, purchase invoices, stock validation, report of general journals, check stock, material requisition, purchase order, and purchase invoice.*

**Keywords:** *Job Order Cost, Material Requisition, Purchase Order, Purchase Invoice, Stock Taking, PHP, Codeigniter.*