

## ABSTRACT

### **DEVELOPMENT OF A WEB-BASED INVENTORY INFORMATION SYSTEM IN STUDENT ASSOCIATION ORGANIZATIONS AT PEMBANGUNAN JAYA UNIVERSITY**

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*Inventory is an activity to prevent Errors in recording goods and generate inventory reports. The inventory administration process for the Information Systems Student Association at Pembangunan Jaya University is done manually on a piece of paper kept by the activity secretary, or there is no documentation at all if there is an inventory, so that HIMASIF's inventory is often acquired by irresponsible individuals. The inventory transactional process in each of its activities is not documented in terms of the identity of the borrower and the amount of inventory, this causes the loss of the borrower's data and the data on the items borrowed. This study intends to provide a web-based inventory information system developed using the Waterfall method and using Unified Modeling Language (UML) tools. The results of the development of this web-based inventory information system provide positive benefits by helping facilitate inventory control to avoid fraud, as well as supporting the calculation of the amount of stock available. Therefore, HIMASIF management will find it easier to manage HIMASIF's inventory, and all HIMASIF members can make loans that are well documented in terms of borrower identity.*

**Keyword** : Inventory, Information Systems Student Association,  
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