

## ***Abstract***

*The purpose of the research is to identify and analyze accounting information systems needed both processes, procedures and documents related to the purchase and inventory cycle on the CV. Abadi sources such as the lack of supporting documentation for transactions and the difficulty of obtaining relevant reports and inventory purchase activity, therefore frequent mismatches between data items with the physical condition and sometimes purchases made excess, the lack of good inventory management often occur out of stock, the lack of a system that supports the purchase cycle related with the reorder point, returns, and lack of in debt management. The method used in the research is a method of collecting data by performing library research, field research such as observations, interviews, documentation, and analytical procedures. And methods used in the analysis and design of accounting information systems using Object Oriented approach Analysis and Design which refers to the use of modeling and requirements discipline and design discipline according to the theory Satzinger using the Unified Modeling Language. Conclusions derived from the analysis and design does is the implementation of a desktop application-based related to the purchasing, and inventory cycle that can assist companies in implementing any activity related to the business process like purchasing and inventory cycle, and can overcome the problems that arise and the company faced. It also can provide the required reports relating to the company's business processes so as to produce the proper decision-making and reduce the risk that could make the company loss. (RSN).*

**Keywords:** *Analysis, design, accounting information systems, purchasing, inventory, reorder point.*