

## **ABSTRACT**

*Control is one of the functions of project management that aims to ensure that work can run to achieve targets without any deviations. The problem in this study is that the raw materials that come to the project often experience excess delivery or inequalities from the company's needs data which results in overstock. The purpose of this study is to determine the cost of material inventory requirements in the Hotel project held by PT.XYZ using the Periodic Review System (R.s.S) method and the Continuous Review (s.S) method. The formulation of the research problem is to improve the company's material inventory control policy so that it is effective and can determine the effective inventory value with an effective total cost.*

*Determining the cost of material inventory requirements in the Hotel project held by PT.XYZ using the Periodic Review System (R.s.S) method and the Continuous Review (s.S) method shows that the comparison of total inventory costs. The design of the inventory policy using the Periodic Review System (R.s.S) method, namely the inventory policy resulting from the continuous review (s.S) method gets an increase in service level with a value of 99.98% and the periodic review system (R.s.S) method gets a result of 99.97%. In the PT.XYZ study, the inventory value produced by the continuous review system (s.S) method provides savings of 89.29%. Then the inventory resulting from the calculation of the periodic review system (R.s.S) method also has a decrease with a value of 20.15%.*

*Then the ordering cost policy using the continuous review system (s.S) method experienced a decrease of 4.16% while the periodic review system (R.s.S) method experienced a decrease of 78.28% from the existing condition. Furthermore, the Storage Cost policy using the continuous review system (s.S) method experienced a decrease of 77.87% and a decrease in storage costs at while the periodic review system (R.s.S) method experienced a decrease of 95.67% from the existing condition.*

**Keyword : Control, Inventory, Periodic Review System, Continuous Review, Total Cost, and Service Level**