ABSTRACT

PT.XYZ *is using pasteurization method for processing milk. Production systems that used in* PT.XYZ *still using manual technology with empowering their labour. Manual system that applied causing some frequent problems for quality of milk. This is due to the production process is still highly dependent on operator performance. Moreover the operator also affect the performance of the company's productivity. Operators have restrictions ability such as fatigue, emotions, and resilience in doing production. Reporting systems that are used have limitations in terms of access and integration.*

On this final project, it will develop a system that has the ability to control and monitor the production process of milk, completed with an integrated reporting. Controlling and monitoring system using Supervisory Control and Data Acquisition (SCADA). SCADA *is designed to have easy access even from a distance. Application based on website can be used to provide ease of access to the system even from a far distance. Therefore it will designed a* SCADA *of pasteurization milk can be accessed online through the website.*

Designing SCADA *based on website using Wonderware Information Server* (WIS). WIS *will provide a* SCADA *system that has the function of controlling and monitoring and reporting features in real time and accurately to the required company information.*

Results of the research showed that the website can be accessed online. Designing the website that has been implement can provide controlling and monitoring functions to existing processes in the pasteurization milk process. Website also has quickly, accurately, and real time reporting capabilities.

Keywords: Website, SCADA*, Wonderware Information Server*