**ABSTRACT**

The development of information technology is very influential in various activities in various fields. The demand for information technology requires every company to follow information technology development and improve the ability to manage data into accurate and efficient information. As happened in the Dinas Lingkungkan Hidup Kota Surakarta, which still found manual recording in the processing of wastewater quality data. So, in that case, is need an information system design which is also the purpose of writing this final project so that it is useful in helping the processing of the wastewater data. The system approach method used is the object-oriented approach method and the system development method used is the prototype model. The data collection method used is primary data collection using observation, interviews, and secondary data collection. The tool used is UML (Unified Modeling Language) using Use Case Diagram, Use Case Text, wireframes, using the PHP programming language, and using MySQL database.

The results showed that, *Sistem Informasi Pelaporan dan Pemantauan Kualitas Air Limbah* (Reporting Information System and Wastewater Quality Monitoring ) of this Final Project can assist in the management of report data entered at the Dinas Lingkungkan Hidup Kota Surakarta. In addition, it can also make reports quickly.

**Keywords:**Dinas Lingkungkan Hidup Kota Surakarta, Air Limbah, UML, PHP, MySQL, prototype.