

## **ABSTRACT**

*PT Pudjo Hartono is one of the agents of 3 kilogram LPG gas which plays an important role in the distribution of 3 kilogram LPG gas in Jogonalan District, Klaten Regency. This company still has problems in processing distribution data because it has not taken advantage of advances in information technology. Therefore, the author has aim to build a 3 kilogram LPG distribution information system using Representational State Transfer (REST) Web Service to help agents, drivers and bases in obtaining realtime data and synchronization between users. This system has features including driver tracking, being able to view delivery and distribution data via Android which is used for drivers and bases. This study uses the System Development Life Cyle (SDLC) model, which is a method that can be used in system development. The main SDLC stages can consist of the system analysis, system design, system implementation, system testing and system maintenance. So that this system makes it easier to monitor the distribution of LPG 3 kilograms to speed up distribution information data. The 3 Kilogram LPG Gas Distribution Monitoring Implementation System was built using the programming language PHP, HTML by integrating MySQL as the data base server.*

*Keywords: Distribution, Representational State Transfer (REST) Web Service, Synchronization.*