

Abstract

PT. Pindad (Persero) is an industrial and manufacturing company engaged in the manufacture of military and commercial products in Indonesia. Within this company, there is a division of PAM and Asset Management in charge of controlling water tanks in PT. Pindad (Persero). Problems that exist in the division of PAM and Asset Management at PT. Pindad (Persero) is often the operator back and forth in checking the water tank so it will waste a lot of time. In addition BPLH provides restrictions to PT. Pindad of 4500 m³ / month.

Based on the above problems we have an idea to make Water Rescue: Water Tank Control Using Android Based Internet of Things (IoT) which can help operators in controlling water tanks in PT. Pindad (Persero).

Water Rescue is a system that integrates water tank with an Android application that can perform automatic pumping control, providing water level information, calculation of time estimation of water filling process and water usage statistics at PT. Pindad (Persero). Where these data can be utilized in anticipation so as not to exceed the quota given by the Environmental Management Agency (BPLH) of 4500 m³ / month.

Keywords : PT. Pindad (Persero), water tank, water rescue.