# ABSTRACT

Water storage is a water storage used by both private companies and every home. Use of clean water is very useful for health, environmental pollution factors, air can affect water quality. Begun water quality monitoring for each individual to determine the quality of the water used, from the start of controlling the tub in a controlled manner, monitoring the water quality in terms of water turbidity and monitoring in terms of water pH (acid and base). Monitoring of this water reservoir can be seen from the state of pH meter sensor to detect water pH that is acid, neutral or base water, Turbidity meter to detect water turbidity. the system can tell the user about the water condition and user too can take some action for turn on or turn off the water pump. after the controlling, monitoring and notification test, there are some result that obtained the percentage of success rate filling system and monitoring of microcontroller based water reservoir of 100%.

**Keyword : Controller, pH, Turbidity, water-level.**