Abstract
Lake water pollution is caused by pollutants such as plastic waste, cans, and lichens in the lake. If the pollutants are not cleaned, the pollutants will experience sedimentation at the bottom of the lake, making the quality of the lake water polluted. Therefore we need a tool that can monitor water quality in the lake. The tool can be in the form of a sensor ball drawn around a lake, where the sensor ball can read water quality parameters such as turbidity, pH, TDS, and temperature in water. This monitoring is dynamic because the water sampling data will be integrated according to the displacement of the position of the sensor ball. Position switching can be seen from the GPS data obtained and then the entire data is saved on MicroSD. The difference from water quality monitoring that has been done before is that the water quality monitoring before is still static (still) or it is only dipped in the sensor reading of water quality parameters at one point.