

## ABSTRACT

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*Monitoring system in water purification is useful to determine the condition of water that will go through the purification proses by looking at data monitoring result on an interface. In this case Android based applications is used to receive pH data, salt content, and turbidity from the results of sensor-based water Purification monitoring system. This sensor-based monitoring system will send the sensor output to database server for storing the data. then the data will be encoded into the JSON (JavaScript Object Notation) data format in web API, so that the application can retrieve and process the data to display on Android-based smartphones. That way monitoring activity on water purification can be accessed in mobile under conditions of pH between 6,5 until 8,, salt content less than 1000mg/l, and turbidity value less than equal to 500.*

*Keywords: sensor, Android, Water Purification Monitoring.*

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