

การเรียกใช้ข้อมูลระบบเฝ้าระวังและรักษาคุณภาพน้ำ ของสถานีตรวจวัด

1. Client ทำการ Authentication โดยใช้ ClientID โดยทางเจ้าหน้าที่ดูแลระบบเป็นผู้กำหนดให้
2. ทำการเรียกใช้ข้อมูล โดยการเรียกผ่าน URL "[http://diwws.diw.go.th:8080/w_monitor/w-monitor.jsp?ID="+ID+"&DateUpdate="+DateUpdate+"&clientID="+clientID+"](http://diwws.diw.go.th:8080/w_monitor/w-monitor.jsp?ID=)"
3. รูปแบบการเรียกใช้ข้อมูล เช่น

String ID="27";

String DateUpdate="2021-06-01";

String clientID="Diwchem64";

4. ตัวอย่างการเรียกใช้ข้อมูล

```
try {
    String ID="27";
    String DateUpdate="2021-06-01";
    String clientID="Diwchem64";
    String url = "http://diwws.diw.go.th:8080/w_monitor/w-monitor.jsp?ID="+ID+"&DateUpdate="+DateUpdate
       +"&clientID="+clientID+"";
    URL obj = new URL(url);
    HttpURLConnection con = (HttpURLConnection) obj.openConnection();
    int responseCode = con.getResponseCode();
    BufferedReader in =new BufferedReader(
        new InputStreamReader(con.getInputStream()));
    String inputLine;
    StringBuffer response = new StringBuffer();
    while ((inputLine = in.readLine()) != null) {
        response.append(inputLine);
    } in .close();
    // JSONObject myresponse = new JSONObject(response.toString().replace("[", "").replace("]", ""));
    JSONArray jsonArray = new JSONArray(response.toString());
    ArrayList<Object> listdata = new ArrayList<Object>();
    if (jsonArray != null) {
        for (int i=0;i<jsonArray.length();i++){
            listdata.add(jsonArray.get(i));
        }
        for(int i=0; i<listdata.size(); i++) {
            System.out.println(listdata.get(i));
        }
    } catch (Exception e) {
        System.out.println(e);
    }
}
```

ผลลัพธ์

```
run:
{"PARAM": "Battery (V)", "TIME_UPDATE": "00:00", "ID": "27", "PARAM_VALUE": "11.76", "DATE_UPDATE": "2021-06-01 00:00:00.0"}
{"PARAM": "BGA (ug/l)", "TIME_UPDATE": "00:00", "ID": "27", "PARAM_VALUE": "0.27", "DATE_UPDATE": "2021-06-01 00:00:00.0"}
{"PARAM": "Chl (ug/l)", "TIME_UPDATE": "00:00", "ID": "27", "PARAM_VALUE": "3.82", "DATE_UPDATE": "2021-06-01 00:00:00.0"}
{"PARAM": "Cond (uS/cm)", "TIME_UPDATE": "00:00", "ID": "27", "PARAM_VALUE": "379.0", "DATE_UPDATE": "2021-06-01 00:00:00.0"}
{"PARAM": "DO (mg/l)", "TIME_UPDATE": "00:00", "ID": "27", "PARAM_VALUE": "5.01", "DATE_UPDATE": "2021-06-01 00:00:00.0"}
{"PARAM": "pH (pH)", "TIME_UPDATE": "00:00", "ID": "27", "PARAM_VALUE": "8.2", "DATE_UPDATE": "2021-06-01 00:00:00.0"}
{"PARAM": "Sal (ppt)", "TIME_UPDATE": "00:00", "ID": "27", "PARAM_VALUE": "0.16", "DATE_UPDATE": "2021-06-01 00:00:00.0"}
{"PARAM": "TDS (mg/l)", "TIME_UPDATE": "00:00", "ID": "27", "PARAM_VALUE": "220.16", "DATE_UPDATE": "2021-06-01 00:00:00.0"}
{"PARAM": "Temp (C)", "TIME_UPDATE": "00:00", "ID": "27", "PARAM_VALUE": "31.22", "DATE_UPDATE": "2021-06-01 00:00:00.0"}
```