

# Pemetaan Ketinggian Gelombang PENGOLAHAN DATA GELOMBANG DI QGIS

Disusun oleh Rusmiyanti, S.Kel



# **Tutorial Import Data Gelombang ke QGIS**





Masukkan data gelombang yang sudah dirapihkan di Excel dengan cara klik Layer

# > Add Layer > Add Deminated Text Layer





Masukkan gelombang di menu File Name, kemudian file format pilih Custom

# delimiters > Tab dan atur Geometry CRS menjadi WGS 84, selanjutnya klik Add

| t Edit View Layer Settings Plugins V      | Browser                        | ame E:\Remote Sensing\Bahan\G             | elombang\Data Gelomban  | g.txt                |       |                |                        |  |
|---|--------------------------------|---|-------------------------|----------------------|-------|----------------|------------------------|--|
| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~    | Laye                           | Layer name Data Gelombang                 |                         |                      | Enc   | Encoding UTF-8 |                        |  |
| 📽 Vi 🎜 🖷 🖁 🙆 🕖.                           | V + Vector                     | ▼ File Format                             |                         |                      |       |                |                        |  |
| ······································    | Raster                         | CSV (comma separated values)              | ✓ Tab                   |                      | Colon | Space          |                        |  |
| Q. Q. Q. Q. N.                            | Mesh C                         | Regular expression delimiter              | Semicolon               |                      | Comma | Others         |                        |  |
| Browser                                   | Point Cloud                    | Ocustom delimiters                        | Quote "                 |                      |       | Escape 👘       |                        |  |
| □ 😂 🍸 🗊 🕐                                 | 9 Delimited                    | Delimited<br>Text Geometry Definition     |                         |                      |       |                |                        |  |
| Spatial Bookmarks     O Home              | GeoPackage                     |   | X field Longitude (d    | egrees east]         | * 7   | field VHM0 (m) |                        |  |
| C:\     D: D: Official court)             | GPS GPS                        | Point coordinates                         | Y field Latitude (de    | arees north]         | - M   | field          |                        |  |
| <ul> <li>E:\ (Kuliah)</li> </ul>          | 🖉 SpatiaLite                   | Well known text (WKT)     DMS coordinates |                         |                      |       |                |                        |  |
| 😵 GeoPackage 🧪 SpatiaLite                 | PostgreSQL                     | No geometry (attribute only tabl          | e) Geometry CRS EPS     | G:4326 - WGS 84      |       |                | •                      |  |
| PostgreSQL                                | MS SQL                         | Layer Settings                            |                         |                      |       |                |                        |  |
| MS SQL Server                             | Oracle Sam                     | nple Data                                 |                         |                      |       |                |                        |  |
| Layers                                    |                                | Longitude [degrees_east]                  | atitude [degrees_north] | VHM0 (m)             |       |                | *                      |  |
| <ul> <li>✓ ▲ ● 〒 &amp; - ■ ■ □</li> </ul> | Virtual Layer                  | 1.2 Decimal (double) * 1                  | -2 Decimal (double)     | 1.2 Decimal (double) | ) -   |                |                        |  |
|   | SAP HANA 2                     | 112,99999 -0                              | 5.4<br>2.4              | 0.97                 |       |                |                        |  |
|   | 3                              | 113.39999                                 | 3.4                     | 0.81                 |       |                |                        |  |
|   |                                | 112.99999 -8                              | 3.4                     | 0.97                 |       |                | -                      |  |
|   | WFS / OGC<br>API -<br>Features |   |                         |                      |       | Close          | Add Help               |  |
|   |                                |   |                         |                      |       |                | Add selected layers to |  |
|   |                                |   |                         |                      |       |                |                        |  |



#### Data akan muncul seperti ini





Karena format data gelombang masih berbentuk txt maka perlu diubah ke bentuk

shp dengan cara klik kanan pada file pilih Export > Save Features As...







## Untuk pilihan Format pilih ESRI Shapefile



Untuk menu **File Name** klik titik tiga dan namai file sesuai yang diinginkan, jangan lupa untuk **Save as type setting** menjadi ESRI Shapefile (.shp), kemudian klik **Save** dan **OK** 



#### PENGOLAHAN DATA GELOMBANG



## Data gelombang dengan format .shp sudah muncul di layer





# TERIMAKASIH