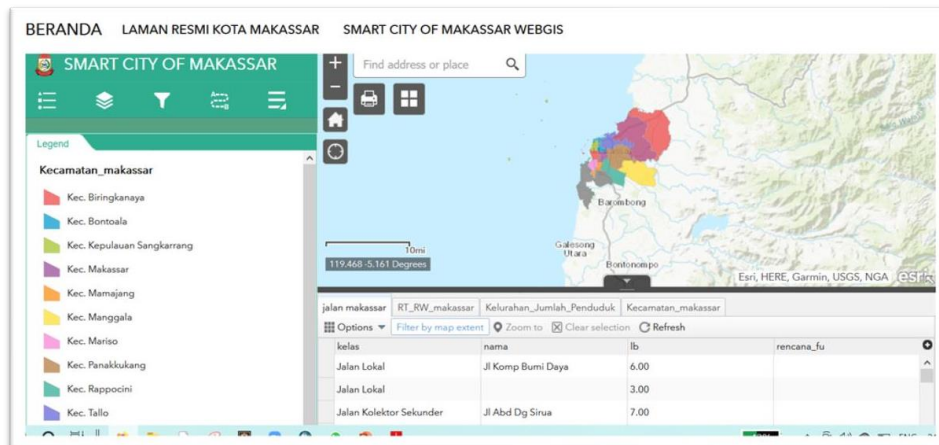




## Makassar City WEBGIS Development

"Improving the use and sharing of geospatial information for resilient and sustainable development in Makassar City, Indonesia".

### Output 3 Report



ESCAP (Economic Social Council for Asia Pacific)

UNLAPAN (Lembaga Penerbangan dan Antariksa)

Bappeda Kota Makassar

SDGs Center Universitas Hasanuddin

### Report on Output 3

There are 3 targets needed to be achieved for Output 3 of this project.

1. Verified prototype and demonstration of geospatial-based data/information platform for urban development in pilot cities.
2. Develop training materials on verified prototype and demonstration including suggestions for engaging institutions and agencies to share their information and use the platform.
3. Conduct one training course workshop on geospatial analysis based on common data format for urban development and management.

The following description will report each of the points above.

1. For this first target of output report 3, we attach the document for the user's guide tutorial, but readers of this report can also check the verified prototype and demonstration of geospatial-based data/information platform for urban development in The City of Makassar using this link <https://smart-city-of-makassar-unhas.hub.arcgis.com/>.

The platform was designed using the ArcGIS Online License belongs to SDGs Center of Hasanuddin University where Hasanuddin University has collaborated with the producer of this product, ESRI Indonesia, under the signed Memorandum of Understanding between the two institutions. For the continuation of the license in the future, the Makassar City local government has requested a corporate license to ESRI to propose and can be budgeted for the coming fiscal year. This was confirmed with The Mayor of Makassar City, Mr. Mohammad Ramdhan Pomanto when the Smart City Makassar had an audience with the Mayor and The related staffs at his Official House on 29 September 2021.

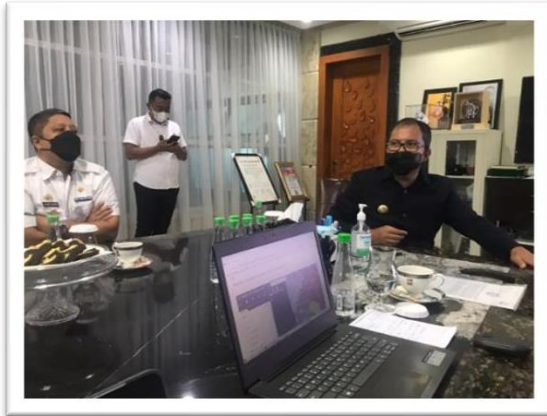


Figure 3.1.  
Presentation in front of The Mayor of Makassar City, Mr. Mohammad Ramdhan Pomanto, displaying and demostarting The WEB GIS Snart City of Makassar



Figure 3.2. Meeting with The Mayor of Makassar and Head of The Spatial Planning Office

The verified prototype description of this Web-GIS Platform can be seen in report output 2 as wehad to produce such platform to enable data-sharing for engaging institutions and agencies withinthe local government of The City of Makassar. The platform as mentioned earlier in report output2 had been tried by Functional Offices in The City of Makassar in Spatial Gathering for WEB GIS Development



Figure 3.4. Preliminary Workshop on Geospatial Data for Government Officials.

1. Training materials have been prepared prior to the training schedule which was conducted on October 1, 2021 which took place at the Meeting Room of The Spatial Planning Office of Makassar City in Makassar. Attached is the training material or tutorial on how to use the platform (step by step method). In this report we also attached The Presentation Material for the training participants to follow during the training.

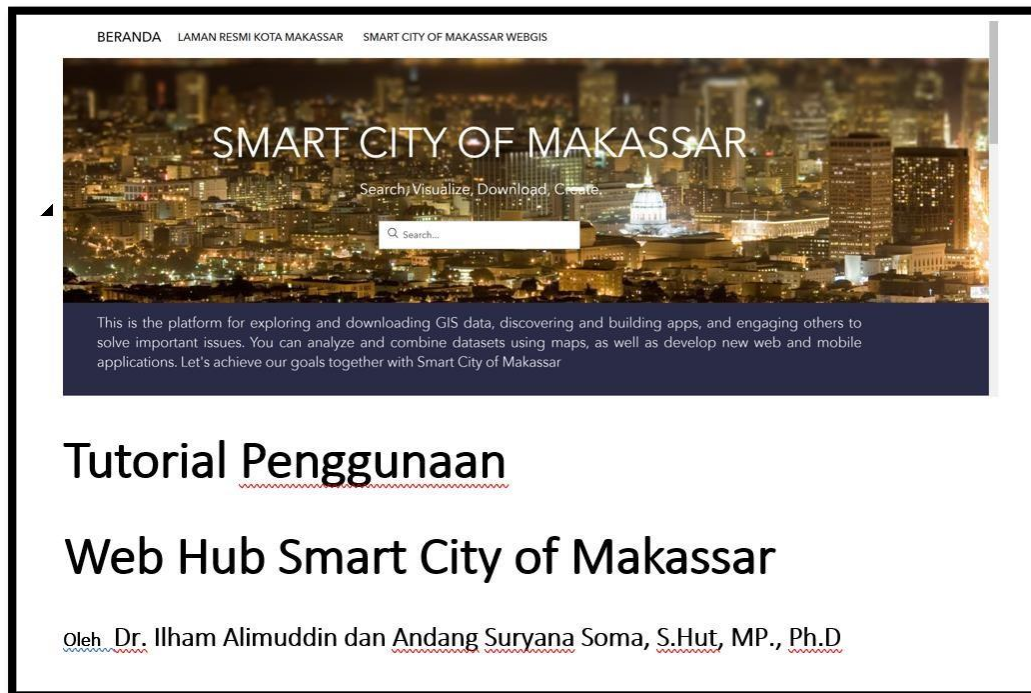


Figure 3.3. The cover of The Tutorial for WEB GIS User (Attachment 01)

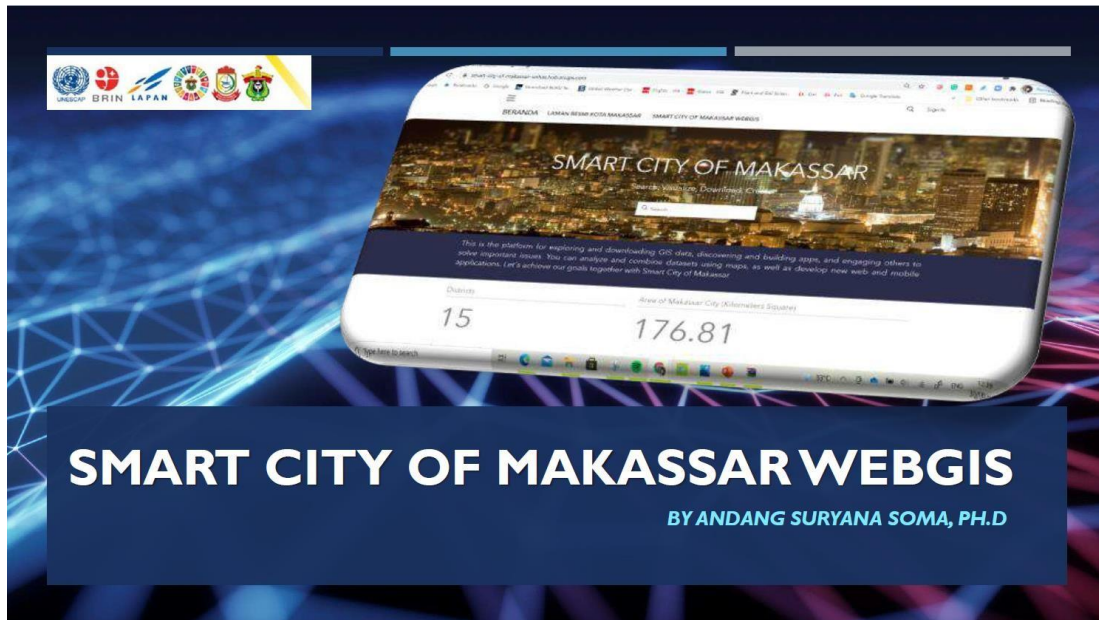


Figure 3.4 The Training Material in the form of powerpoint presentation  
(Attachment 02)

2. We conducted a One Day Training Course for the participants on how to use the webgis smart city platform attended by public with priority to Makassar City officials via online and offline in Bappeda Office. List of participants is attached with this report. Both via gooleform registrations as well as through Survey123 application.

The Hybrid training was officially opened by The Dean of Post Graduate Studies who happened to be one of the founders of SDGs Center Universitas Hasanuddin, Prof. Dr. Jamaluddin Jompa. But before the Hybrid Training was officially opened the opening ceremony consisted of several speakers. Mr. Keran Wang as Chief of The Space Section in UN-ESCAP; Dr. Orbita Roswintartirepresenting the National Aeronautics and Space Agency which now become LAPAN BRIN, Official Speech from the Mayor of Makassar City, unfortunately due to official assignment represented by The Head of Infrastructure Section of Spatial Planning Office of Makassar City but delivered the Mayor's Speech. The Training was attended by 128 registration in initial stage but on the event half of the number attending online plus 20 persons joining in person at the office. The training continued until afternoon with some attendants coming from the Functional office of Environmental Affairs Office and The Fire Brigade office came

afterwards that the trainer stayed until 17.00 in the afternoon. Below are screenshot of the events.

**Hybrid Training on Smart City Makassar**  
**Web GIS using ESRI ArcGISonline Platform**

**Friday, October 1<sup>st</sup>, 2021**  
**09.00 - 11.30 WITA**

Venue Luring: Kantor Bappeda  
Kota Makassar

**Welcome Speech**

**Mr. Keran Wang**  
Chief of Space Application  
Section UN-ESCAP

**Dr. Orbita Roswintiarti, M.Sc.**  
Senior Researcher, Remote Sensing  
Technology and Data Center -  
Aeronautics and Space Research  
Organization (LAPAN), National  
Research and Innovation Agency (BRIN).

**Prof. Dr. Ir. Jamaluddin Jompa**  
SDGs Center Universitas Hasanuddin/  
Dean of Graduate Studies Universitas  
Hasanuddin

**Ir. H. Moh. Ramdhan Pomanto**  
The Mayor of Makassar City

**Smart City of Makassar**  
**WebGIS Platform Team**  
**and SDGs Centre**  
**Universitas Hasanuddin**

**Ilham Alimuddin, Ph.D.**

**Andang Suryana Soma, Ph.D**

Registration Link:  
[bit.ly/SmartCityGIS\\_Makassar](https://bit.ly/SmartCityGIS_Makassar)

Zoom ID : 595 407 5705  
Passcode : sdgs

supported by: **esri** Indonesia

Figure 3.4.  
The Flyer for The Hybrid Training on Oct 1, 2021 viazoom and offline at The Spatial Planning City of Makassar Office



Figure 3.5. A big screen in the meeting room was prepared for the online and offline training portraying the opening speech from Mr. Keran Wang, Chief of The



Figure 3.6 . Dr. Orbita Roswinati, MSc, of LAPAN BRIN delivered her speech online from Jakarta



Figure 3.7. Prof. Jamaluddin Jompa, from The SDGs Center of Hasanuddin University officially opened the Hybrid Training

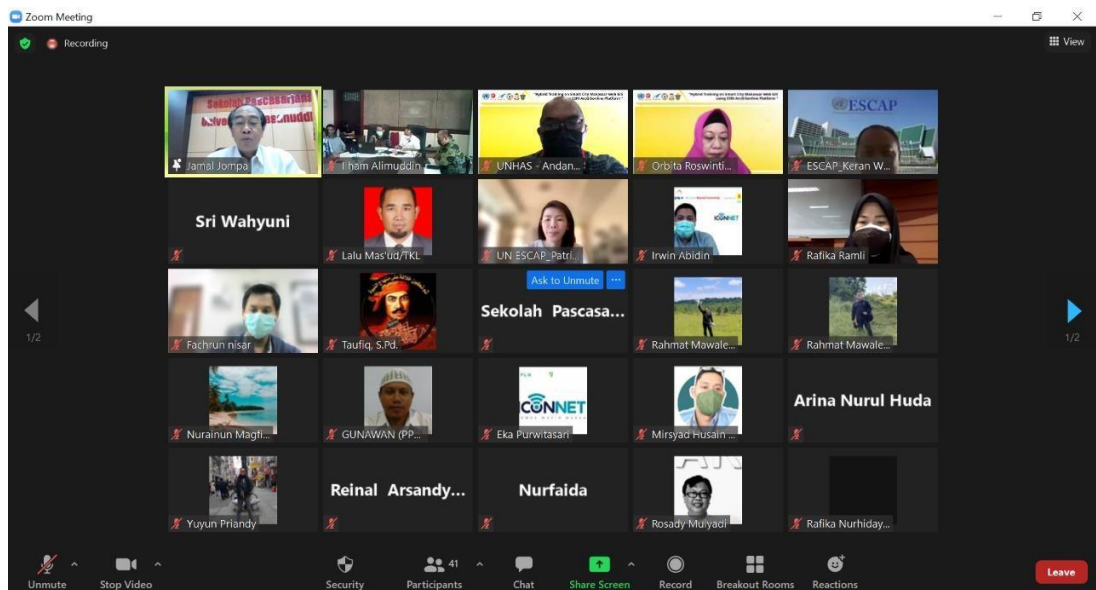


Figure 3.8. Attendants in the zoom meeting reached to 60 participants but official registration 128.



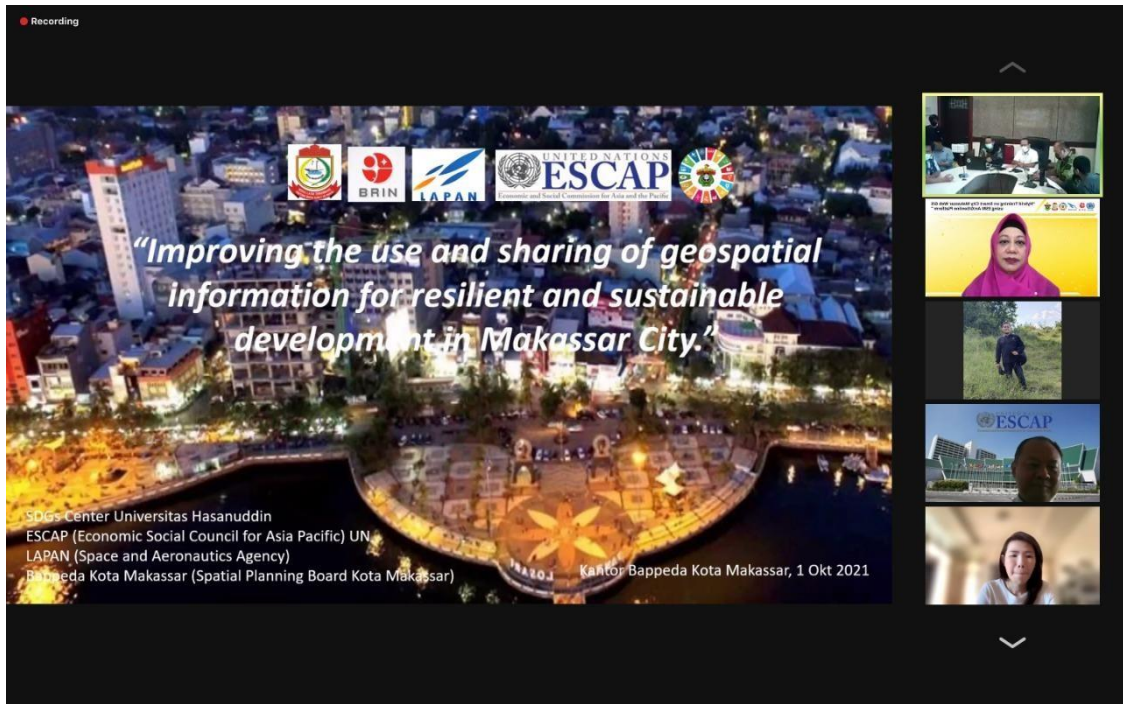


Figure 3.9. Technical presentation from Mr. Ilham Alimuddin addressing the WebGIS Platform



Figure 3.10. Offline discussion with the Makassar City Officials during the training.

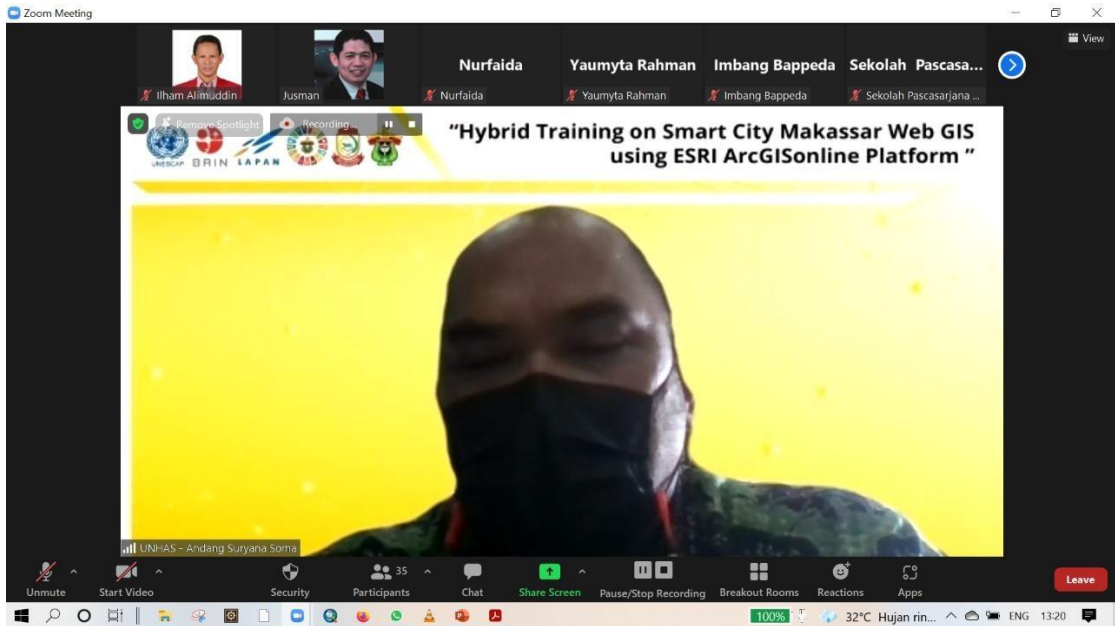


Figure 3.11 The Training was conducted by Dr. Andang Suryana Soma, Ph.D

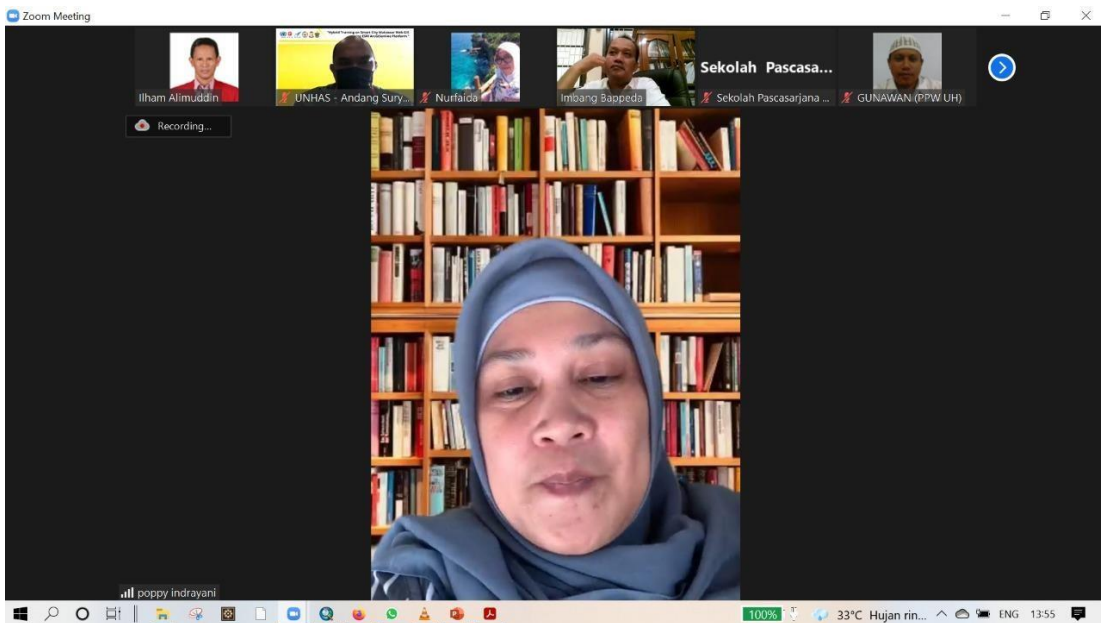


Figure 3.12 Participants from Japan was also attending the training

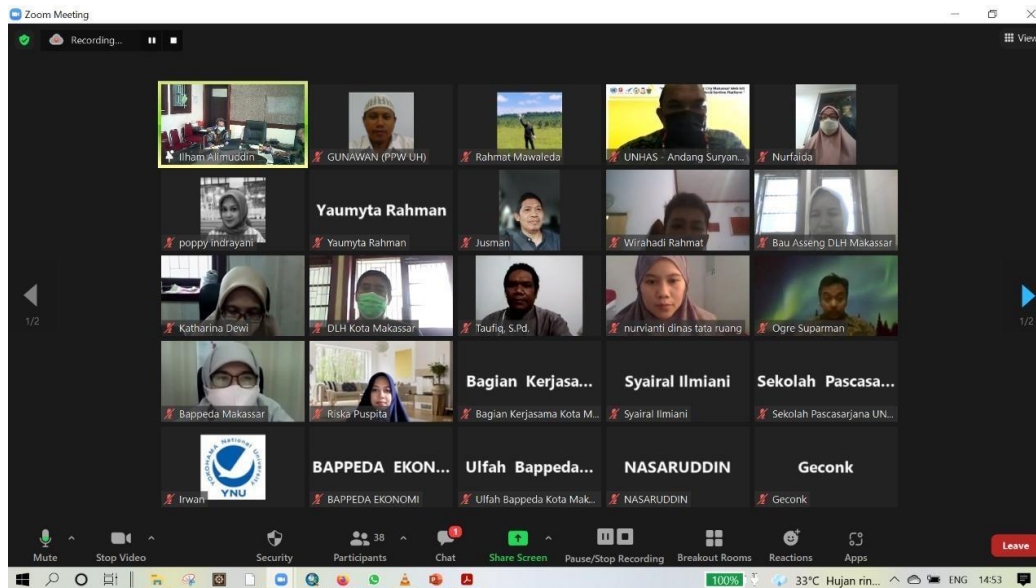


Figure 3.13. Training participants stayed until the end of the training, 17.00

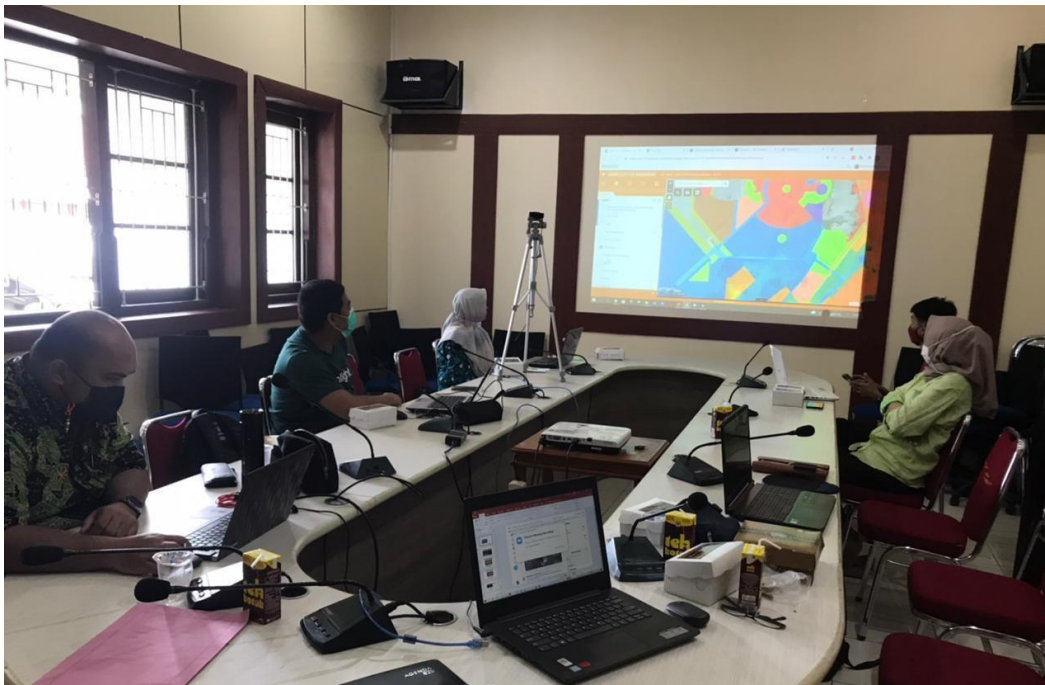


Figure 3.14. Offline participants was guided in the meeting room.

The recording of the opening ceremony and the hybrid training can be downloaded with this

link

<https://drive.google.com/file/d/1RayKWrfqE7kx45gD0Hogmyd7hWItY6zR/view?usp=sharing>;

and the recording of the training can be accessed through this google drive link;

[https://drive.google.com/file/d/1Dkd500aZlgp0FDkq\\_tc\\_17oWonGTeMCp/view?usp=sharing](https://drive.google.com/file/d/1Dkd500aZlgp0FDkq_tc_17oWonGTeMCp/view?usp=sharing)

As The Team Leader of the project, on The Hybrid Training, I presented a thorough report about this project and how this platform can later be utilized in the future. My presentation material is attached also in this report (Attachment 03).

A special training for Bappeda and related office staffs as WebGIS administrator will be scheduled some time with the training for Slum Areas Mapping with LAPAN BRIN.

As the continuation of this project, The Local Government of Makassar City has established a working group to ensure the implementation of this WebGIS platform for the future operation consisting representatives from each Functional Offices (Satuan Perangkat Kerja Daerah, SKPD). The working group as established to ensure two regulations from the government related to one map policy, one data policy and the acceleration of the implementation of one map policy.