



IMPLEMENTATION OF VILLAGE BOUNDARY DETERMINATION AND AFFIRMATION USING CATHROMETRIC METHOD IN THE DISTRICT OF AIR NIPIS

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A B S T R A C T

Confirming regional boundaries is very important in this era of implementing regional autonomy. Moreover, after the issuance of Law No. 06 of 2014 concerning villages, regional boundaries have become very important in order to optimize village authority so that they can manage their natural resources independently. Conflicts that occur between two or more bordering regions because there is no legal certainty can result in material or non-material losses. To minimize the occurrence of conflict in a regional boundary determination issue, it is necessary to create regional boundary maps based on applicable legislation. According to Minister of Home Affairs Regulation Number 45 of 2016, determining and confirming village boundaries cartometrically is expected to be a solution. Regional confirmation can also optimize regional management so that it can create orderly government administration, provide clarity and legal certainty over areas that affect technical and juridical aspects. The focus of this research is the determination and confirmation of village boundaries in Air Nipis District, South Bengkulu Regency, which covers 5 research aspects, namely Preparation, Initial Socialization, Data Collection, Determination of Village boundaries, and Confirmation of Village boundaries.

The confirmation of village boundaries was stated in the issuance of Regent Regulation no. 46 of 2023 concerning Determination, Confirmation and Confirmation of Village Boundaries in Air Nipis District, South Bengkulu Regency.



INTRODUCTION

Confirming regional boundaries is very important in this era of implementing regional autonomy. Moreover, after the issuance of Law No. 06 of 2014 concerning villages, regional boundaries have become very important in order to optimize village authority so that they can manage their natural resources independently and explore the economic potential of their region to improve community welfare. Conflicts that occur between two or more bordering regions do not have legal certainty so they can cause material or non-material losses. To minimize the occurrence of conflict in a regional boundary determination issue, it is necessary to create regional boundary maps based on applicable legislation. According to Minister of Home Affairs Regulation Number 45 of 2016, the determination and confirmation of village boundaries is defined as a juridical boundary between government administrative areas between villages. Where in the determination stage, document research is carried out, selecting a base map and making a determination map using the Cartometric method which results in an agreement between the two bordering areas which is outlined as points on the working map which will be used as the definitive boundary. Currently, remote sensing technology is experiencing very rapid development with the existence of high resolution images that can display surface appearances in very detail so that they can provide extensive spatial data in a shorter time. It is hoped that high resolution imagery can help in resolving problems related to defining regional boundaries. Cartometrically confirming village boundaries is expected to

be a solution in defining areas to avoid boundary conflict problems and can also optimize the management of the area.

The aim of this research is to create orderly government administration, provide clarity and legal certainty over areas that affect technical and juridical aspects.

MATERIALS AND METHODE

This research uses a type of research with a qualitative descriptive approach, which means that the researcher must interact directly with the object being researched and also conduct interviews with local community leaders regarding the history of the village so that the data obtained is more complete and in-depth to meet the research objectives.

Research focus

The focus of this research is the determination and confirmation of village boundaries in Air Nipis District, South Bengkulu Regency. In this case, the determination and confirmation of village boundaries covers 5 aspects based on Permendagri 45 of 2016 concerning guidelines for determining and confirmation of village boundaries, namely Preparation, Initial Socialization, Data Collection, Determination of Village boundaries, and Confirmation of Village boundaries.

Research Aspects

1. Preparation of activities, the benchmarks are: budget availability, formation of a PPBDes team, and existence of a cooperation agreement with Topdam.
2. Initial Socialization, the benchmarks are: Community Satisfaction, openness, justice and equity, efficiency and security.



3. Collection of documents, the benchmarks are: the existence of juridical documents on the formation of the village, the existence of historical documents on village boundaries, document verification, and the existence of minutes of document collection and research.

4. Determination of Village Boundaries, the benchmarks are: The existence of a Definitive Map and Minutes of Agreement.

5. Confirmation of Village boundaries, the benchmarks are: The formation of a Regent's Regional Regulation.

RESULTS AND DISCUSSION

This research determines informants using purposive techniques, namely they are selected with considerations and objectives that truly master the object being studied. The author conducted direct interviews with these community figures to collect truly real or real data. The informants for this research consisted of 20 people, namely 2 people from each village, consisting of 1 community figure who understands village boundaries and 1 village head.

Preparation

The function of the PPB-Des team organization cannot be separated from the factors that support an organization so that it can run well. An organization has a big impact on policy so that planning and forming an organizational structure is needed. Quality resources to support success in carrying out the designed program. Therefore, the organizational structure is very important and must be considered at this preparation

stage. Each organizational structure can provide a clear description of the positions and main tasks and functions that serve as guidelines for implementing the determination and confirmation of village boundaries in Air Nipis District. The formation of the PPB-Des team was considered good because it was based on Minister of Home Affairs regulation no. 45 of 2016. The activity of determining and confirming village boundaries involves the Sriwijaya II Palembang Army Topography Team as an expert team based on Perdagri number 171 of 2017 in article 18 paragraph 1. So in this preparation stage a cooperation agreement must be signed between the South Bengkulu Regency Government and the MOU. with the Sriwijaya II Palembang Army Topography Team.

Socialization

Providing outreach aims to ensure that people understand the importance of village boundaries. So far, the community considers village boundaries to be not very important, even though village boundaries are the juridical village administrative boundaries which have permanent legal force to create administrative order. Village boundaries become a problem when there is development or overlapping administration in border areas.

Data verification

The collection of documents regarding boundaries and the creation of cartometric village maps have been carried out well. However, at the time of collecting the boundary documents, the documents required for implementing village boundary determination were incomplete. The incompleteness of the village boundary documents is due to the archives being stored



less neatly so that when the equipment is changed the archives are also lost. And also the death of community leaders/village elders and there are no successors so that the historical heritage of the border is also lost. To overcome the lack of map documents in arranging the map, the implementing team at the time of determining village boundaries conducted a direct field survey. This direct field survey is to review the boundaries that will be mapped. Even though the time required for the survey is longer, because this document is very important, it must still be carried out. For boundaries that have been verified, temporary stakes are installed according to the coordinate points. Coordinate points have an important role in the activities of determining and confirming village boundaries because they provide an accurate and measurable basis for determining the geographical location of a point or area. By using a coordinate system, such as longitude and latitude, it can be ensured that village boundaries are determined accurately and can be repeated. The importance of point coordinates involves:

a. Limit Determination Accuracy

Ensure that village boundaries are determined correctly in accordance with applicable regulations, preventing disputes or ambiguity.

b. Accurate Mapping

Enables the creation of maps that are accurate and easy to understand by all relevant parties, including village communities, government and related agencies.

c. Prevention of Land Disputes

Reduces the possibility of land disputes because village boundaries have been

clearly defined based on coordinates that can be referred to as an objective reference.

d. Resource Management

Facilitate the management and monitoring of natural resources within village boundaries, such as agricultural land, forests and water.

e. Geospatial Database

Provides a geospatial database that is useful for development planning, regional development and other activities.

By utilizing technology and a coordinate system, village boundaries can be determined and confirmed transparently, accurately and efficiently. Currently, the regional government has not budgeted for the installation of permanent stakes.

Determination of Village Boundaries

The image map used is overlaid on the administrative boundaries that have been obtained and agreed upon previously. shift between the boundary with the satellite image and the appearance of the boundary on the image. Based on these facts, image interpretation is used as a basis for correcting (updating) administrative area boundary data according to the results of the agreement. Improvements in determining regional boundaries are carried out with the participation of the community and village officials. Participation is carried out by discussing the determination of regional boundaries in accordance with existing regulations. The discussion resulted in the determination of regional boundaries to complete the Village boundary map. As a result of determining village boundaries, it is hoped that village officials will begin to understand appropriate village boundaries and be able to plan village development using



this map. The results of the agreement on determining the village map are stated in the minutes of the agreement.

Confirmation of Village Boundaries

Village boundary confirmation is an official process for establishing the geographical boundaries of a village. This involves mapping and establishing village boundaries so that they can be legally recognized. The steps usually involve local government, village authorities and local communities. Confirming village boundaries aims to avoid conflicts related to ownership and natural resources. After the activities for determining and confirming village boundaries had been completed in the field and had obtained the coordinate points that had been mutually agreed upon, the PPB-Des team immediately drafted a Regent's Regulation as the Legality of Confirming Village Boundaries which is currently outlined in Regent's Regulation No. 46 of 2023 concerning Determination, Confirmation and Confirmation of Village Boundaries in Air Nipis District, South Bengkulu Regency which was signed by the Regent of South Bengkulu Regency. (attachment 7). This Regent's Regulation contains historical tracing of boundary points according to agreement based on coordinate points which will not change because they are taken from satellite coordinates accompanied by an attached village boundary map as support for the Regent's Regulation which is one unit.

CONCLUSION

From the results of the discussion that has been presented, it can be concluded that the implementation of determining and confirming village boundaries based on

Minister of Home Affairs Regulation Number 45 of 2016 in Air Nipis District, South Bengkulu Regency is as follows:

1. Determination and confirmation of village boundaries in Air Nipis District based on Minister of Home Affairs Regulation No. 45 of 2016 which was implemented by the Bengkulu Regency Regional Administration sub-division in collaboration with the Sriwijaya Palembang Regional Military Command II Topography Army has been very good, so that it has become one of the Model Districts for determining and confirming regional boundaries in Bengkulu Province. All stages have been carried out in accordance with Minister of Home Affairs Regulation No. 45 of 2016, in resolving the conflicts that occurred in Maras Village, Suka Bandung Village and Tanjung Beringin Village and Keban Jati Village, the Government and the community have reached an agreement. Even though at first the mediation took a long and difficult time, the Regency Government immediately responded quickly by holding a resolution meeting which was attended by the parties concerned such as the PPB-Des Team, the Air Nipis Subdistrict Head, and the disputed villages. The disputing community finally realized the error in the boundaries referred to so far, and the conflict that occurred was finally resolved, all parties finally supported the determination and confirmation of village boundaries and had legal force with the issuance of Regent Regulation No. 46 of 2013 concerning Determination, Confirmation and Confirmation of Village Boundaries in Air Nipis District, South Bengkulu Regency on December 5 2013.



2. Supporting factors for determining and confirming village boundaries in Air Nipis District based on Minister of Home Affairs Regulation No. 45 of 2016, among others
 - a. human Resources;
 - b. budget availability.
 - c. Support by the local community
3. Inhibiting factors for determining and confirming village boundaries in Air Nipis District based on Minister of Home Affairs Regulation No. 45 of 2016 is the difference in perception and lack of public understanding of the importance of determining and confirming village boundaries;

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