

# Disaster Mitigation Policy by The Government Of Bima In Realizing A Disaster Resilient City

**Taufik Firmanto**

Universitas Muhammadiyah Bima  
[taufik.f12@gmail.com](mailto:taufik.f12@gmail.com)

**Ridwan**

Universitas Muhammadiyah Bima  
[sahecapi13@gmail.com](mailto:sahecapi13@gmail.com)

**Gufran**

Universitas Muhammadiyah Bima  
[stih.muh.bima@gmail.com](mailto:stih.muh.bima@gmail.com)

**Andi**

Universitas Muhammadiyah Bima  
[andykahpratamaimm@gmail.com](mailto:andykahpratamaimm@gmail.com)

DOI: 10.23917/laj.v7i1.758

---

Submission Track:

Received:

June 2022

Final Revision:

September 2022

Available Online:

October 2022

Corresponding

Author:

**Taufik Firmanto**

[taufik.f12@gmail.com](mailto:taufik.f12@gmail.com)

## ABSTRACT

**The purpose** of this research is to describe the local government policies in realizing Bima as a Disaster Resilient City and to describe the form of disaster mitigation policies by the Bima government in realizing a Disaster Resilient City. **Research** method of this research is normative-empirical legal research (Mix Methods), using a statutory approach (Statute Approach), and a conceptual approach, the type of data used is secondary data and is supported by primary data. **The result** shows that the disaster mitigation policy efforts developed by the Bima City government are in the form of Structural (Physical) Mitigation, drainage systems, retention dams, construction of retaining dams, making check dams, dams, earthquake-resistant house river embankments. Non-Structural (Non-Physical) Mitigation legislation, training, socialization. The policy forms of the Bima Government indicate that a Regional Regulation is made which includes the establishment of development policies that pose a risk of disaster, disaster prevention activities, emergency response and rehabilitation. In addition, other policies are 7 priority Regional Resilience Index (IKD) and 71 Regional Resilience Index Indicators in 2020/2021. **The usefulness** of this research is academically, this research is expected to be useful for further researchers as well as the development of legal science in the future, practically, this research is expected to be a reference for further

---

---

researchers and the Government in particular in studying how disaster mitigation policy arrangements by Bima Government in order to realize Disaster Resilient City. **The authenticity** of this research lies in the regulation of disaster mitigation policies, as far as the authors search that the policies carried out by the City government already exist, but in the post-disaster period, those who have conducted research on other objects. Therefore, it is considered important to do research.

**Keywords:** *Policy; Disaster mitigation; Bima City Government; Bima City; Disaster Resilient City.*

---

## INTRODOCTION

In the context of the Unitary State of the Republic of Indonesia, the 1945 Constitution affirms that in fact all citizens receive guarantees and protection for a decent life, as well as protection from all disasters and environmental damage, this is solely for the purpose of realizing a peaceful and prosperous life.

The term policy is often used interchangeably with other terms such as goals, programs, decisions, legislation, provisions, proposals, and grand designs. Meanwhile, according to Anderson in *Islamy* defines policy as a series of actions that have a specific purpose that is followed and carried out by an actor or group of actors in order to solve certain problems (Widodo, J: 2021). If interpreted and studied critically, the policy described by Anderson above shows that the government as an actor or group of actors has the authority to make a series of policy actions in order to solve a problem faced based on the applicable laws and regulations.

Policy according to Philipus M. Hadjon quoted by Ridwan HR in his book entitled “*Hukum Administrasi Negara*”, Policy regulations are essentially a product of state administrative actions aimed at *naar buiten gebracht schricftelijk beleid*, namely showing a written policy. Policy regulations only have function as part of the operational implementation of government’s duties, therefore they cannot change or deviate from statutory regulations. This regulation is a kind of shadow law of the law or law. Therefore, this regulation is referred to as *pseudo wetgeving* (pseudo legislation) or *spigelsrecht* (shadow law/mirror) (Ridwan HR: 2018).

The importance of disaster mitigation policies as an effort to overcome and prevent flood disasters. Policy is a stipulation by the government that has the authority so that it applies in accordance with the objectives to be achieved and is characterized by consistent and repeated

behavior, both from those who make it and those who obey it (who are affected by the policy). For this reason, the policy is considered important to minimize conditions and situations that are considered problematic which must be taken seriously by the government (Sahya Anggara: 2018).

The problem is from the policy aspect of the Bima Regional Government, as the party who has the responsibility in this matter, must have a concept that can provide a construction of thought to overcome flood disasters as confirmed in the 1945 Constitution as the legal basis for the nation and state. The government's efforts in dealing with flood victims can actually be carried out through emergency response, disaster mitigation, and reconstruction, both building reconstruction and psychological reconstruction for disaster victims. However, the problem of the flood disaster is not only a problem for the government as a policy maker, but this problem concerns all elements of society. Therefore, an understanding of disaster is absolutely necessary for anyone so that victims can be minimized. So far, the community's preparation for disaster mitigation is also very minimal (Kartika, K., Mu'alim, A., &Fadhilah, R. F. R: 2018).

Regional autonomy policies are intended to empower local governments and bring and optimize basic services to the community. At the same time, there should also be resource management and disaster risk in the characteristics of the area concerned. However, this policy is often understood only as the freedom to use resources, without being accompanied by an awareness to manage it responsibly. The shift of authority from the center to the regions is often not accompanied by the transfer of responsibility for services and protection to the community. As a result, when a disaster occurs, local responses tend to be slow and often expect an immediate response from the central government. This situation becomes more complicated if the disaster covers more than one area. On the other hand, in case of a disaster, the lack of coordination between levels of government hinders the implementation of a fast, optimal and effective response. In addition, public awareness is still lacking (Academic Paper of the Draft Law on Disaster Management).

Flood disaster mitigation policy efforts can be carried out in the form of development which includes strengthening buildings that are considered potentially affected by flood disasters. In addition, flood disaster mitigation can be carried out in the form of providing understanding to the community in the form of socialization, training, making laws and regulations, making information boards regarding locations that have the potential for flood disasters. This can also be done by empowering the community and local government and disaster mitigation also needs to be done to prevent, overcome, and reduce the occurrence of

disasters, both before the disaster occurs and after the disaster occurs (Suwaryo, P. A. W., & Yuwono, P: 2017).

**The most basic problem (1)** On December 21, 2016, December 23, 2016 and January 02, 2017 Bima City, NTB Province, a very basic flash flood disaster occurred, especially in residential areas more than 50 meters from the river. Urban areas are flood-affected areas with varying flood inundation heights, ranging from 1 to 4 meters. The main factor causing flooding is high rainfall, in addition to hydrometeorological factors, flooding in Bima is caused by various factors, including the Bima area as a basin, the loss of function of the river border which is currently a residential area, silting in the downstream part of the river, urban drainage systems poor condition, reduced vegetation cover upstream, and river narrowing (Yuniartanti, R. K: 2018).

The same incident occurred in Bima, where flash floods damaged a number of houses of residents from several sub-districts were submerged and one connecting bridge was cut off by the swift flow of the overflowing river. The flood was triggered by high-intensity rain so that the river's water discharge in the northern part of Bima overflowed into residential areas. The water level entering the residents' houses is more than one meter. This flood was due to heavy rains on December 6, 2021, there were around 16 urban villages in Bima affected by the flood, including Jatibaru, Jatiwangi, Santi, Nae, Sarae, Melayu and Ule Villages. The flood also submerged Kendo, Ntobo, Nae, Kendo, Pena nae, Penaraga, Pena toi, Mpunda and Lewirato villages. Meanwhile, the broken bridge is in Jatibaru Village. The bridge that connects Bima with Wera District, Bima Regency has hampered the activities of residents. The bridge was cut off due to heavy river currents due to heavy rains, so that people's travel activities were hampered and detrimental (Kompas.com, 2021).

Therefore, the implementation of the Bima Government's Policy shows that there are still weaknesses, both in implementation and legally, it has not run optimally, there are still problems and obstacles faced in the implementation. This is marked by Flood Disaster Prevention, Flood Disaster Emergency Management, Rehabilitation and Reconstruction of flood disasters. This can be understood through policies to increase the capacity of local governments in dealing with flood disasters through disaster prevention and preparedness. The policy is set out in the form of regional development in disaster-prone areas which is directed at the integration of disaster mitigation actions in the form of structural (physical) mitigation and non-structural mitigation (regulations and policies) (Ramadoan, S: 2018).

To realize a disaster-resilient city as discussed also in this study in order to realize Indonesia's disaster management vision, namely realizing National Resilience in Facing

Disasters, it is necessary to have the independence and independence of the community in dealing with various kinds of disaster threats, both internal and external threats.

Regulation of the head of the national disaster management agency Number 1 of 2012 concerning general guidelines for village/sub-district resilience has explained that a Disaster-Resilient Village/Sub-district is a village/kelurahan that has the independent ability to adapt and deal with disaster threats, as well as recover from various adverse disaster impacts, if it is hit by a disaster. Therefore, a village/sub-district can be said to be resilient to disasters when a village or sub-district can recognize threats in its area and is able to organize community resources to reduce vulnerability and at the same time increase capacity to reduce disaster risk. This capability is manifested in development planning that includes prevention efforts, preparedness, disaster risk reduction and capacity building for post-emergency recovery (Regulation of the head of National Board for Disaster Management No. 01 of 2012).

To support the realization of Bima as a disaster-resilient city, the Government of Bima in this case has issued policy arrangements in the form of legislation, namely Bima Regional Regulation No. 04 of 2014 concerning Disaster Management Organizers. In his consideration, he explained that to anticipate disasters, handle disasters and restore post-disaster conditions, a planned, integrated and comprehensive disaster management effort is needed that involves all the potential that exists in Bima as stipulated by Law Number 24 of 2007 concerning Disaster Management (Local regulation No. 04 of 2014).

Disaster management should not be handled after the disaster occurred, but should be considered by the Government of Bima as an effort in disaster management before the disaster occurred. This is what the Bima Government must do in disaster management efforts before the disaster occurs, so that Bima's mission as a disaster-resilient city can be realized.

## **RESEARCH METHOD**

This research method is normative-empirical legal research (Mix Methods), with the approach used is the statutory approach (Statute Approach), and conceptual approach, the type of data used is secondary data and is supported by primary or secondary data. Equipped with primary data from the facts that occurred in the field. Normative-empirical research is a type of research that uses secondary data (from the library) and is supported by primary data based on field research, such as observations, interviews and surveys (Irwansyah, 2021).

Approach is defined as an attempt to establish a relationship with people or methods to reach an understanding of the research problem. Approach is also defined as a means to understand and direct the problem under study (Muhaimin: 2020). The approach used in this study uses a statutory approach (Statute Approach), a conceptual approach, a socio-legal approach (Socio-Legal), and an analytical approach (Irwansyah: 2021).

Legislative approach (statute approach), this approach is carried out by reviewing all laws and regulations related to legal issues that are being discussed and researched. The statutory approach will see the law as a closed system which has the following characteristics: (1) Comprehensive means that the legal norms in it are logically related to one another; (2) All-inclusive that the set of legal norms is sufficient to accommodate existing legal problems so that there will be no shortage of law; (3) Systematic that in addition to being related to one another, the legal norms are also systematically arranged. (Muhaimin: 2020).

The conceptual approach is a type of legal research that provides an analytical point of view of problem solving in legal research seen from the aspects of the legal concepts behind it, or even can be seen from the values contained in the norming of a regulation in relation to the concepts used (Irwansyah: 2021).

The sociology of law approach (Socio-Legal) is empirical legal research or socio-legal research which is another approach model in researching law as an object of research, in this case law based on the development of socio-legal research (Irwansyah: 2021).

Analytical approach, this approach is carried out if the research is intended to examine the meaning of a legal term and is seen in legal practice and court decisions. This research examines the understanding, principles, rules, systems, and juridical concepts (Irwansyah: 2021).

## **RESULT AND DISCUSSION**

### **1. Local Government Policies in Realizing Bima as a Disaster-Resilient City.**

Policies can be understood as actions or actions that can be carried out by the competent government. According to Philipus M. Hadjon quoted by Ridwan HR in his book entitled "Law of State Administration", that Policy Regulations are essentially a product of state administration which strives for *naar buiten gebracht schicftelijk beleid*, which shows a written policy as outlined in the form of the format or authority of the government as an authorized state official for the achievement of goals and objectives (Ridwan HR: 2018). The Bima Government's policy in tackling the flood disaster in Bima by making a policy is still not able to answer the flood problems that are being experienced by the people of Bima.

In flood disaster management, efforts must be made as a form of disaster prevention before and after the disaster occurs. In this case, flood disaster mitigation policies can be formulated in two aspects of flood disaster mitigation policies as a flood disaster management strategy. The policy in question is a structural and non-structural mitigation policy. The structural (physical) mitigation policy is an effort made to minimize disasters such as by developing special funds to prevent flooding and by making technical engineering of disaster-resistant buildings, as well as water-resistant building infrastructure. It is hoped that water-resistant building infrastructure will not have such a severe impact if a disaster occurs. Meanwhile, non-structural (non-physical) mitigation policies are efforts made in addition to structural mitigation such as regional planning and insurance. In this non-structural mitigation, we really expect from increasingly advanced technological developments. The hope is technology that can predict, anticipate and reduce the risk of a disaster (Ningrum, A. S., & Ginting, K. B: 2020). Examples of Structural Mitigation policies (making checkdams, dams, river embankments, earthquake-resistant houses, etc.), non-structural Mitigation policies (laws and regulations, training, socialization, making policies, etc.) (Irwan, I: 2018).

In order to realize Bima as a Disaster Resilient City, it must be able to refrain from various disaster threats. This can be understood in Regulation of the head of National Board for Disaster Management No. 1 of 2012 explaining Disaster Resilient Villages/sub-district are villages/sub-district that have the independent ability to adapt and deal with disaster threats, and recover quickly from the adverse effects of disasters if they are hit by a disaster.

Therefore, a village/sub-district can be categorized to be resilient to disasters when a village or sub-district can detect threats in its area and is able to organize community resources to reduce vulnerability and at the same time increase capacity to reduce disaster risk. This capability is manifested in development planning that includes prevention, preparedness, disaster risk reduction and capacity building efforts for post-emergency recovery.

As explained in Presidential Decree Number 87 of 2020 concerning the Master Plan for Disaster Management for 2020-2044, which states that a disaster management plan that is oriented towards national development in order to achieve sustainable community resilience to disasters, a comprehensive and integrated disaster management plan is needed towards a golden Indonesia 2045 in order to realize a disaster-resilient Indonesia.

The Presidential Regulation Number 87 of 2020 concerning the Master Plan for Disaster Management for 2020-2044 also contains long-term disaster mitigation policies. This can be understood as follows:

1. The policy to strengthen effective and efficient disaster management laws and regulations.
2. The policy to increase synergy between ministries/agencies and stakeholders in disaster management.
3. The policy of strengthening investment in disaster risk management is in accordance with the projected increase in disaster risk by taking into account spatial planning and regional arrangement.
4. The policy to strengthen disaster management governance that are increasingly professional, transparent, and accountable.
5. The policy to increase the capacity and capability of responding to disaster emergencies quickly and reliably, and
6. The policy to accelerate post-disaster recovery in disaster-affected areas and communities to build a better life.

As with current national policies and strategies, disaster management efforts are more focused on pre-disaster efforts, one of which is preparedness activities. According to Law no. 24 of 2007 concerning Disaster Management, preparedness is a series of activities carried out to anticipate disasters through organization and through appropriate and efficient steps (training, rehearsals, preparation of facilities and infrastructure, human resources, logistics and financing).

Therefore, policies for disaster management in Indonesia are regulated by Law no. 24 of 2007, the policy in Bima, is in line with the Law. In an effort to implement national policies, the Government of Bima has issued a regional regulation (Perda), which was marked by the issuance of Regional Regulation Number 4 of 2014, concerning the Implementation of Disaster Management. Based on the regulation, what is meant by disaster management is a series of efforts that include the establishment of development policies that pose a risk of disaster, disaster prevention activities, emergency response and rehabilitation. (8)

In addition, other policies implemented by Bima government in Paruna sub-district area are in addition to services, they also provide physical forms for flood disaster management, such as in 2018 the central government through Bima government renovated Padolo bridge which incidentally became the main cause of flooding in Paruga sub-district, Bima. (9)

Juridically, the legal basis for disaster management policies and implementation has been stated in the fourth paragraph of the Preamble to the 1945 Constitution which reads: "Then from that to form an Indonesian state government that protects the entire Indonesian nation and all of Indonesia's bloodshed." (10) These basic provisions can be interpreted that it is the obligation of the state and the government's duty to protect the entire population of Indonesia in Indonesian environment for the happiness of all Indonesian people and all mankind. If there

is a state responsibility, it means that there is a state obligation, therefore, it is the government's duty to provide legal protection for disaster victims. The presence or absence of accountability can be measured through 3 aspects which include consequences and activities, places, and sources/victims.

Meanwhile, in Government Regulation Number 21 of 2008 concerning the Implementation of Disaster Management, it is explained that the government has established and issued a juridical disaster mitigation policy as a preventive effort in reducing disaster risk and its threats. This can be seen in the implementation of policies by the government as follows: (11) 1) **Pre-disaster** is in a situation where a disaster does not occur and in a situation there is a potential for a disaster to occur. The implementation of disaster management in a situation where there is no disaster as referred to in Article 4 letter a includes: a. disaster management planning; b. disaster risk reduction; c. prevention; d. alloying; d. integration in development planning; e. disaster risk analysis requirements; f. implementation and enforcement of spatial plans; g. education and training; and h. technical standard requirements for disaster management. Meanwhile, the implementation of disaster management in situations where there is a potential for a disaster to occur as referred to in Article 4 letter b includes: a. preparedness; b. early warning; and c. disaster mitigation, 2) **Emergency response**, namely, the implementation of disaster management during the emergency response includes: a. rapid and precise assessment of the location, damage, loss, and resources; b. determination of the status of a disaster emergency; c. rescue and evacuation of disaster-affected communities; d. fulfillment of basic needs; e. protection of vulnerable groups; and f. immediate recovery of vital infrastructure and facilities. This can be done by the head of National Board for Disaster Management and Regional Disaster Management Agency and their staff in accordance with their respective authorities. During a disaster emergency, the Head of National Board for Disaster Management and head of Regional Disaster Management Agency are authorized to mobilize human resources, equipment, and logistics from agencies/institutions and the community to carry out emergency response.

The deployment of human resources, equipment and logistics as referred to in paragraph (1) includes the request, acceptance and use of human resources, equipment, and logistics. 1) Post-disaster referred to here, namely, the implementation of disaster management at the post-disaster stage consists of: a. rehabilitation; and b. reconstruction. At the stage of rehabilitation can be carried out through the following activities: improvement of the disaster area environment; b. improvement of public infrastructure and facilities; c. providing assistance for

community housing repairs; d. psychological social recovery; e. health services; f. reconciliation and conflict resolution; g. social, economic, and cultural recovery; h. restoration of security and order; i. restoration of government functions; and j. restoration of the function of public services. While at the stage of reconstruction through the following activities: a. rebuilding of infrastructure and facilities; b. rebuilding community social facilities; c. revitalization of the socio-cultural life of the community; d. application of proper design and use of better and disaster-resistant equipment; e. participation and participation of social institutions and organizations, the business world and the community; f. improvement of social, economic, and cultural conditions; g. improving the function of public services; or h. improvement of primary services in the community. 2) **Monitoring and Evaluation** is meant here, starting from continuous monitoring carried out by the local government by the Mayor of Bima and Regional Disaster Management Agency in Bima, reporting, and evaluation.

## **2. The Form of Disaster Mitigation Policy by the Bima Government in Realizing a Disaster Resilient City.**

As a government that has responsibility for disaster management, starting from the central government to regional governments that coordinate with each other and have checks and balances authority. This can be understood as a form of the Government's efforts in tackling various kinds of disasters, both natural and non-natural, so it is considered urgent to formulate a policy in a tangible form. Policy forms can be realized as a form of implementation of the government's authorized policies, so as to achieve Bima as a Disaster Resilient City.

A Policy can coordinate with Regency/City, District and Village Governments that are the target of Disaster Resilient Villages, Coordination with Regency/City governments affected by disasters, Coordination with Regency/City Governments and Schools that are targeted for disaster-safe schools/Madrasah, Consultation with the Government Central and coordinate with disaster experts/experts, Coordinate with National Board for Disaster Management and Regional Disaster Management Agencies throughout NTB, prepare plans and budgets, Strengthen internal coordination within Regional Disaster Management Agencies throughout NTB, Prepare planning, budgeting, monitoring and evaluation of disaster management. (12)

Bima Regional Disaster Management Agency in Disaster Management/Management in Bima, West Nusa Tenggara. It is carried out by several factors, the level of communication carried out by the Regional Disaster Management Agency has been carried out well, it can be seen from several factors that become indicators of the implementation of the communication used by the Regional Disaster Management Agency, namely: 1) Audience indicators. Which

has been achieved in its implementation in knowing the audience themselves. 2) message indicator. Where messages or information owned by Regional Disaster Management Agency can be well received and understood by the community themselves. 3) media indicators. Where it has been implemented well, by utilizing electronic media and print media, making it easier for information to be known in general.

Disaster mitigation as referred to in Article 47 of Law no. 24 of 2007 was carried out to reduce disaster risk for people living in disaster-prone areas. Therefore, risk mitigation is part of disaster risk reduction efforts, namely an effort to reduce community losses caused by natural disaster events. In the context of time, disaster mitigation includes all actions taken before the emergence of a disaster (pre-disaster actions) which include long-term risk reduction actions.

There are four important things in disaster mitigation, namely 1) the availability of information and maps of disaster-prone areas for each type of disaster; 2) socialization to increase public understanding and awareness in dealing with disasters, because they live in disaster-prone areas; 3) knowing what needs to be done and avoided, as well as knowing how to save yourself if a disaster occurs, and 4) setting up and structuring disaster-prone areas to reduce the threat of disasters.

In Ministry of Home Affairs Regulation number 33 of 2006 concerning General Guidelines for Disaster Mitigation, it is said about policies, strategies, and management of disaster mitigation. Policy: Various policies that need to be taken in disaster mitigation include: a. In disaster mitigation efforts, it is necessary to build a common perception for all parties, both the ranks of government officials and all elements of the community whose steps are regulated in general guidelines, implementation instructions and fixed procedures issued by the relevant agencies in accordance with the respective unit's duties. b. The implementation of disaster mitigation is carried out in an integrated coordinated manner that involves all the potential of the government and the community. c. Preventive efforts must be prioritized so that damage and loss of life can be minimized. d. Building strength through collaboration with all parties, through community empowerment and campaigns. (13)

To be able to achieve a certain goal, it is considered important Disaster Mitigation Management, in this case, namely: a. Increasing community preparedness on issues related to disaster risk. b. Improving disaster security in infrastructure and utility systems. c. Improving disaster security in strategic buildings and it is important to strengthen disaster management institutions. d. Improving emergency response capabilities. e. Raising awareness. f. Improving disaster safety in industrial buildings and industrial areas. g. Increasing security against

disasters in residential areas and public facilities. h. Improving disaster safety for school buildings and school children. i. Paying attention to disaster safety and earthquake and tsunami and flood resistant building codes in the process of making new construction. j. Increasing the knowledge of experts regarding disaster phenomena, vulnerability to disasters and mitigation techniques k. Including disaster risk assessment procedures in spatial/land use planning. l. Improving community recovery capacity in the long term after a disaster occurs.

The Government of Bima in this case the Mayor of Bima and Regional Disaster Management Agency Bima has issued a policy on disaster management efforts with the aim of achieving a city that is able to defend against disaster threats which is called a disaster-resilient city as stated in the strategic plan of Regional Disaster Management Agency Bima as follows:

- 1) Legislative Aspect
- 2) Institutional Aspect
  - a. The establishment of the Mbojo Ma Tenggo PRB Forum in Bima
  - b. Village Disaster Preparedness Team (TSBK)
  - c. Village Disaster Preparedness Team Federation (FTSBK)
  - d. Establishing Inter-Institutional Cooperation
- 3) Disaster Management Aspect

Pre-Disaster/Pre-disaster Handling Services which include prevention, mitigation, and preparedness activities as well as community empowerment which include:

  - a) Improved access to communication and development of an early warning system.
  - b) Data Collection and Mapping of Disaster Risk Areas.
  - c) Preparation of Disaster Risk Analysis document.
  - d) Dissemination of information on potential disasters.
  - e) Preparation of Disaster Management Plan.
  - f) Provide training and counseling on disaster management both to the Disaster Management Team, Related SKPD and the community in general.
  - g) Establishment of a disaster-resilient village.
  - h) Structural and Non-structural Mitigation.
- 4) Planning Aspect
- 5) Funding Aspect
- 6) Aspects of Capacity Building and Implementation Aspects at the Pre-Disaster Stage, During Emergency Response and Post-Disaster Recovery Stages. (Regional Disaster Management Agency Strategic Plan in Bima for 2019 - 2023)

Besides that, the Bima government has issued a juridical policy which is stated in the regional regulation number 04 of 2014 concerning the implementation of disaster management. This can be seen in the following form: (14) 1) Establishing a Disaster Risk Reduction Forum (FPRB) In order to increase community participation as referred to in Article 14 at the city level, a Disaster Risk Reduction Forum may be established. The forum as referred to in paragraph (1) consists of the following elements: Local governments, Non-Governmental

Organizations (NGOs), Religious Social Institutions, Community Social Organizations, Universities, Public and Private Schools, Mass Media, Community, and Business Institutions. The forum as referred to in paragraph (1) is determined by a Mayor's Decree. The Disaster Risk Reduction Forum was formed In the context of disaster risk reduction, the Disaster Risk Reduction Forum has roles, among others: a. accommodating the existing disaster risk reduction initiatives in the community; b. assisting Regional Disaster Management Agency in formulating joint action plans in the regions in the context of disaster risk reduction; c. encouraging the mainstreaming of disaster risk reduction for all stakeholders towards a community that is sensitive, responsive and resilient to disasters; d. participating in awareness, preparedness and self-reliance campaigns for the community in dealing with disaster risks; and, e. participating in supervising the implementation of disaster management, 2) Forming Village Disaster Management Volunteers (RPBK). In order to increase community participation as referred to in Article 14 at the village level, Village Disaster Management Volunteers may be formed. In this case, the Members of Village Disaster Management Volunteers as referred to in paragraph (1) consist of: a. village government; b. traditional leaders; c. religious leaders; d. youth leaders; e. female characters; f. elements of educators/schools; and, g. village community. Village Disaster Management Volunteers is formed In the context of disaster risk reduction, Village Disaster Management Volunteers plays a role, among others: a. reviving local wisdom in disaster risk reduction efforts; b. preparing community action plans at the village level in the context of disaster risk reduction in coordination with Regional Disaster Management Agency; c. carrying out mainstreaming of disaster risk reduction for all members of the village community towards a community that is sensitive, responsive and resilient to disasters; d. conducting awareness campaigns, preparedness and independence to the community in facing disaster risks; e. monitoring and providing advice on management activities and/or utilization of natural resources and the environment by urban village communities that have the potential to cause disasters; and, f. participate in supervising the implementation of disaster management. The Village Disaster Management Volunteers as referred to in article 18 is formed on the basis of the awareness and ability of the local village community in order to achieve the resilience and resistance of a city that we know as a Disaster Resilient City.

In addition to the mitigation policies constructed by the Government, in this case it can then be studied and understood from the side of the institution which has the duties and functions as the organizer of disaster management and remains under the auspices of the Regent/Mayor as the full person in charge of disaster management, for example the National

Disaster Management Agency, Regional Disaster Management Agency in each Regency/City. This can be understood based on the duties and authorities of the institution based on articles 12, 20, and 21 of Law no. 24/2007 which explains as follows:

**1. National Board for Disaster Management has duty of:**

- a. Providing guidance and direction for disaster management efforts that include disaster prevention, emergency response management, rehabilitation, and reconstruction in a fair and equal manner;
- b. Establishing standardization and need for disaster management implementation based on the Laws and Regulations;
- c. Delivering activity information to the community;
- d. Reporting on the implementation of disaster management to the President once a month under normal conditions and at any time during disaster emergencies;
- e. Using and taking responsibility for national and international donations/assistance
- f. Taking responsibility for the use of the budget received from the State Revenue and Expenditure Budget; carry out other obligations in accordance with the Laws and Regulations; and
- g. Formulating guidelines for the establishment of the Regional Disaster Management Agency.

**Function:**

- a. Formulation and stipulation of policies for disaster management and handling of refugees by acting quickly and appropriately as well as effectively and efficiently; and
- b. Coordinating the implementation of disaster management activities in a planned, integrated, and comprehensive manner.

**2. Regional Disaster Management Agency has duty of:**

- a) Establishing guidelines and directions in accordance with local government and National Disaster Management Agency policies for disaster management efforts which include disaster prevention, emergency management, rehabilitation, and reconstruction in a fair and equal manner;
- b) Establish standardization and the need for disaster management implementation based on laws and regulations;
- c) Arranging, establishing, and informing disaster-prone maps;
- d) Arranging and establishing permanent procedures for disaster management;
- e) Carrying out disaster management in its territory;
- f) Reporting on the implementation of disaster management to the regional head once a month under normal conditions and at any time during disaster emergencies;
- g) Controlling the collection and distribution of money and goods;
- h) Taking the responsibility for the use of the budget received from the Regional Revenue and Expenditure Budget; and carry out other obligations in accordance with the Laws and Regulations.

**Function:**

- a) Formulation and stipulation of policies for disaster management and handling of refugees by acting quickly and appropriately, effectively and efficiently; as well as
- b) Coordinating the implementation of disaster management activities in a planned, integrated, and comprehensive manner.

Meanwhile, the flood disaster mitigation policy in Bima on the aspect of funding or budget allocated by the Regional Government of Bima in the implementation of flood disaster management in Bima has not been able to cope with the flood disaster that occurred. Therefore, we can understand and study based on effective and efficient budgeting.

We can understand this, in terms of the regulation related to the disaster management budget, the enthusiasm for preparing an effective and efficient budget has intensified since the Government reform took place. Reforms in the government sector were also followed by reforms in financial management. Financial Reform in Indonesia which was marked by the birth of the 1945 Constitution article 23 paragraph 1, Law no. 17/2003 on State Finance and Law no. 1/2004 on the State Treasury, Law no. 24/2007, and PP No. 22/2008 concerning Funding and Management of Disaster Aid. One of the objectives of these reforms is to create an effective and efficient budget (Madjid, N. C: 2018).

In this case, the budget allocation for disaster management is sourced from the State budget and Regional Revenue and Expenditure Budget based on the 1945 Constitution, Law no. 17/2003, Law no. 1/2004, Law no. 24/2007, and Government regulations No. 22/2004 correlates with each other explaining the funding and management of flood disaster assistance under the auspices of the Central Government, the Bima Government through the Central National Board for Disaster Management, Provincial Regional Disaster Management Agency, and City/Regency Regional Disaster Management Agency. The pattern of disaster relief management is in the form of disaster contingency funds, ready-to-use funds, social assistance funds with grant patterns, and disaster emergency assistance, and community participation. a). Disaster contingency funds are funds that are reserved to deal with the possibility of certain disasters; b). Ready-to-use funds are funds that are always available and reserved by the Government to be used during a disaster emergency response until the emergency response deadline ends; c). Grant-patterned social assistance funds are funds provided by the Government to local governments as post-disaster handling assistance; d). Disaster emergency assistance is assistance to meet basic needs during emergency response; and e). Community Participation is the involvement of the community in providing financial assistance to victims affected by disasters. (PP No. 22/2008)

## **CONCLUSIONS AND RECOMMENDATIONS**

### **1. Conclusion**

The policies of the Government of Bima in regulations show that starting from the 1945 Constitution, Law no. 24/2007, Government Regulation No.21/2008, Ministry of Home Affairs Regulation No. 33/2006, Presidential Regulation No. 87/2020 and until the Bima Regional Regulation No. 04 of 2014, which includes the establishment of development policies that pose a risk of disaster, disaster prevention activities, emergency response and rehabilitation. This is also not optimal in its implementation, and weaknesses can still be found in the field.

The Bima government shows that the disaster mitigation policy efforts developed by the Bima government are in the form of Structural (Physical) Mitigation, drainage systems, retention reservoirs, construction of retaining dams, making check dams, dams, earthquake-resistant house river embankments. Non-Structural (Non-Physical) Mitigation legislation, training, socialization. However, it is not optimal in its implementation and weaknesses are still found in its implementation.

### **2. Recommendation**

The suggestions from the authors for the Bima Government that are recommended in the future are as follows:

The Bima Regional Government through juridical and conceptual policies, at least must be more effective and efficient in dealing with disasters, their preparedness before the disaster occurs, not after the disaster occurs. And strengthening laws and regulations and their implementation is even more strategic.

The government through the Bima local government has the responsibility in this matter, the strategic plan developed by the Mayor of Bima and the Regional Disaster Management Agency of Bima which was formed from 2019-2023 must optimize further as a form of policy and training, socialization education to the community should be more routine to be carried out based on the Bima Regional Regulation Number 04 of 2014. And other things must also be understood by the Bima City Government, at least a statutory regulation is made regarding the involvement of the Indonesian National Armed Forces, Search and Rescue Agency, and non-governmental institutions such as NGOs, Community Organizations, Student Organizations and others.

## REFERENCES

- Al Riza, F. Efektivitas Kinerja Badan Penanggulangan Daerah (BPBD) Dalam Penanggulangan Bencana Alam Pasca Gempa Bumi Di Lombok Provinsi Nusa Tenggara Barat (Doctoral dissertation, Universitas Muhammadiyah Jember); 2019.
- Irwan, I. (2018). *Arahan Pemanfaatan Ruang Berbasis Mitigasi Bencana Banjir Di Kota Bima Kecamatan Rasanae Timur* (Doctoral Dissertation, Universitas Islam Negeri Alauddin Makassar).
- Irwansyah. (2021). *Penelitian Hukum (Pilihan Metode & Praktik Penulisan Artikel)* (4). Yogyakarta: Mirra Buana Media.
- Kartika, K., Mu'alim, A., & Fadhilah, R. F. R.. Faktor Yang Mempengaruhi Implementasi Kebijakan Mitigasi Bencana Gempa Di Kecamatan Bandar Baru Kabupaten Pidie Jaya. *An-Nadaa: Jurnal Kesehatan Masyarakat*; 2018;5(2):78-79.
- Kompas.com, Tersedia Online Dari:<https://regional.kompas.com> > Regional Pada Tanggal 18 Desember 2021 Jam 13.42 Wita.
- Madjid, N. C. (2018). Analisis metode penghitungan dan alokasi anggaran bencana alam. *Simposium Nasional Keuangan Negara*, 1(1), 1046-1065.
- Muhaimin. (2020). *Metode Penelitian Hukum (I)*. Mataram- NTB: Mataram University Press.
- Ningrum, A. S., & Ginting, K. B. (2020). Strategi Penanganan Banjir Berbasis Mitigasi Bencana Pada Kawasan Rawan Bencana Banjir Di Daerah Aliran Sungai Seulalah Kota Langsa. *Geosee*, 1(1).
- Peraturan Pemerintah Nomor 21 Tahun 2008 tentang penyelenggaraan penanggulangan bencana.
- Peraturan Dalam Negeri Nomor 33 Tahun 2006 Tentang Pedoman Umum Mitigasi Bencana.
- Peraturan Daerah Kota Bima Nomor 04 Tahun 2014 Tentang Penyelenggaraan Penanggulangan Bencana.
- Republik Indonesia. Undang-Undang Dasar NRI 1945 Alinea Ke-Empat.
- Republik Indonesia. Undang-Undang Nomor 24 Tahun 2007 Tentang Penanggulangan Bencana.
- Rencana Strategis Badan Penanggulangan Bencana Daerah (BPBD) Kota Bima Tahun 2019 – 2023.
- Ridwan HR. (2018). *Hukum Administrasi Negara* (14). Depok: PT. Rajagrafindo Persada.
- Ramadoan, S. Analisis Kesiapsiagaan Masyarakat Pada Wilayah Rentan Bencana Banjir (Studi di Kelurahan Paruga Kecamatan Rasanae Barat Kota Bima). *Jurnal Ilmiah Administrasi Negara*; 2018;15(2).
- Sahya Anggara. *Kebijakan Publik*, CV. Bandung: Pustaka Setia; 2018.
- Suwaryo, P. A. W., & Yuwono, P. Faktor-faktor yang mempengaruhi tingkat pengetahuan masyarakat dalam mitigasi bencana alam tanah longsor. *URECOL*; 2017:305-314.
- Widodo, J. (2021). *Analisis kebijakan publik: Konsep dan aplikasi analisis proses kebijakan publik*. Media Nusa Creative (MNC Publishing).
- Yuniartanti, R. K. Rekomendasi Adaptasi Dan Mitigasi Bencana Banjir Di Kawasan Rawan Bencana (KRB) Banjir Kota Bima. *Journal Of Regional And Rural Development Planning (Jurnal Perencanaan Pembangunan Wilayah Dan Perdesaan)*; 2018;2(2):118-132.
- Zulaeha, M., Ariany, L., Dwifama, A. H., Falmelia, R. A., & Ridhani, M. S. (2022). Mitigasi Bencana Perspektif Kebijakan Publik Dalam Penanggulangan Bencana Banjir Di Kalimantan Selatan. In *Prosiding Seminar Nasional Lingkungan Lahan Basah* (Vol. 7, No. 3).