



## What Is The Role Of Badan Riset Dan Inovasi Daerah (BRIDA) At Medan City?

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**Abstract.** Law Number 11 of 2019 concerning the National System of Science and Technology places the role and obligations of regional governments in conducting research, inventions, innovations, and utilizing their results in the form of intellectual property in developing their regions to improve the competitiveness of the region and enhance the welfare of its people. The purpose of this study is to understand the role of the Regional Research and Innovation Agency of Medan City. This study adopts a qualitative descriptive approach using literature study methods through library research. The results of this study explain that the Regional Badan Riset dan Inovasi Daerah (BRIDA) is a new entity, a unit under the Regional Government. BRIDA plays an important role in supporting the government's support functions to support research-based regional programs. This role becomes very important as the main driver of development acceleration at the regional level. Research and innovation in the region can be organized by private research institutions, businesses, universities, communities; and/or foreign institutions that have obtained permission in accordance with the provisions of the legislation. The presence of BRIDA is expected to act as a lever for economic growth, an organizer, and a collaborator to solve research-based problems.

**Keywords:** BRIDA, Regional Research and Innovation, Accelerating Development

### INTRODUCTION

The sweeping wave of bureaucratic reform policies initiated by the Central Government has brought significant implications in the context of governance in Indonesia. The policy of simplification or streamlining of bureaucracy for the enhancement of efficiency and effectiveness of government apparatus has become the primary focus advocated by the Central Government currently. One of the policies included in the wave of bureaucratic reform is the policy to integrate all government institutions/agencies that carry out functions of research, development, innovation, and science and technology, orchestrated directly by the President (Zulkifli et al., 2022).

Similarly, there is an expectation for policies capable of revitalizing scientific endeavors to support the scientific basis of national development and policies that place the results of work based on scientific methods as the foundation for the emergence of Central Government policies (Kusumaatmadja, 2002). In its implementation, this Central Government policy is then manifested through the establishment of the Badan Riset dan Inovasi Nasional (BRIN responsible for research, development, assessment, and application, as well as national

invention and innovation, governed by Presidential Regulation (Perpres) 78 of 2021 concerning the Badan Riset dan Inovasi Nasional (BRIN).

The establishment of the Badan Riset dan Inovasi Nasional (BRIN) is mandated by Article 48 of Law Number 11 of 2019 concerning the National System of Science and Technology, as amended by Article 121 of Law Number 11 of 2020 concerning Job Creation. The formation of BRIN is based on Presidential Regulation Number 33 of 2021 concerning the National Research and Innovation Agency. Alongside the establishment of BRIN, Law 11/2020 also regulates the formation of Badan Riset dan Inovasi Daerah (BRIDA), which are regional entities tasked with conducting integrated research, development, assessment, application, as well as invention and innovation within their respective regions. BRIDA is responsible for coordinating, synchronizing, and controlling research, development, assessment, application, invention, and innovation in the region comprehensively and sustainably, as well as preparing master plans and roadmaps for the advancement of science and technology in the region as a basis for regional development planning in all aspects of life guided by the Values of Pancasila (Sulaeman & Suhandoyo, 2021).

The Medan City Research and Development Agency was transformed into the Medan Regional Badan Riset dan Inovasi Daerah Medan (BRIDA) on January 2, 2023. This change was made in line with the objectives of regional autonomy, which include improving public services, enhancing competitiveness, and increasing community welfare (Fasya et al., 2024). BRIDA Medan became the fastest-established institution in North Sumatra Province, which has made numerous breakthroughs. One of these is the implementation of research-based IT management.

Since June 2023, LRPSU has been collaborating with BRIDA Medan to carry out activities related to innovation and technology development associated with research and development implementation and evaluation (BRIDA Medan, 2023). In a meeting between LRPSU and BRIDA Medan, attended by the Head of BRIDA Medan and its staff, this collaboration discussed progress in the development of technology and innovation for the E-BRIDA system, which will be beneficial for the community (Wahyuni, 2023).

Law Number 25 of 2009 concerning Public Services and Government Regulation Number 96 of 2012 concerning the Implementation of Law Number 25 of 2009 concerning Public Services, it is mandated that service providers must involve the community in the provision of public services as an effort to build a fair, transparent, and accountable public service delivery system. Community involvement is crucial in line with the concept of

sustainable development. Furthermore, community involvement can also encourage more targeted policies in the provision of public services (Khaliq & Sari, 2022).

Thus, it is important to ascertain the extent of the role of the Medan Regional Research and Innovation Agency (BRIDA) as one of the public service providers in North Sumatra Province, in realizing research quality that aligns with the needs of the Medan city community. It is expected that this research does not overlap with other relevant studies.

## LITERATURE REVIEW

Legally, the mandate for the establishment of BRIDA as a regional apparatus in the city government must be stipulated in legal products in the form of Regional Regulations (Perda), with prior approval from the minister responsible for domestic governance. This provision is regulated in Article 3 paragraphs (1) and (2) of Government Regulation No. 18 of 2016 concerning Regional Apparatus, which states:

1. Pembentukan dan susunan Perangkat Daerah ditetapkan dengan Perda.
2. Perda sebagaimana dimaksud pada ayat (1) berlaku setelah mendapat persetujuan dari Menteri bagi perangkat daerah provinsi dan dari gubernur bagi perangkat daerah Kabupaten/Kota.

BRIDA itself is an entity established as one of the regional apparatuses within the regional government apparatus of regencies/cities. This is regulated in Article 1 paragraph (3) of Presidential Regulation 78/2021 which states:

*“Badan Riset dan Inovasi Daerah Agency hereinafter abbreviated as BRIDA is a regional apparatus that organizes research, development, assessment, and application, as well as integrated invention and innovation in the region”.*

As a regional apparatus performing supportive functions for regional governance affairs, BRIDA is established to support other regional apparatuses handling governance affairs as mandated by the legislation, where BRIDA is positioned as a regional apparatus supporting governance affairs in the field of research and development (Arifin & Sakti, 2017).

Furthermore, the establishment of BRIDA in the local government is outlined in Presidential Regulation 78/2021, simultaneously with the policy of establishing the National Research and Innovation Agency in the central government. The establishment of BRIDA itself is contained in Chapter VIII, from Article 66 to Article 68 of Presidential Regulation 78/2021 regarding BRIN. In Article 66 paragraph (1), it is stipulated that:

*“BRIDA is established by the Provincial and Regency/City Governments in accordance with the provisions of laws and regulations after obtaining consideration from BRIN”.*

Article provides authority to local governments to establish BRIDA in accordance with prevailing legislation, provided that it has been considered by BRIN.

## **METHODS**

This study adopts a descriptive qualitative approach using the literature study method through library research. The sources of information are derived from field data related to the title, as well as through accessing data from websites as a source of publication information. According to (Kurniawan, 2014) the descriptive qualitative study method is rooted in philosophy and is used to examine scientific conditions where the researcher acts as the main instrument. As explained by (Sugiyono, 2012), the descriptive qualitative method is based on philosophy and is used in the context of scientific conditions, where the researcher functions as the main instrument, and qualitative data collection and analysis techniques emphasize understanding meanings.

## **RESULT AND DISCUSSION**

Badan Riset dan Inovasi Daerah (BRIDA) is a new entity, a unit under the Local Government. Its establishment and programs are coordinated with Badan Riset dan Inovasi Nasional (BRIN). The presence of BRIDA is expected to act as a lever for economic growth, an organizer, and a collaborator to solve research-based problems (Putri et al., 2022).

The clear purpose of Indonesia's formation as a nation is mandated in the preamble of the Constitution of the Republic of Indonesia of 1945, which asserts that the Indonesian State is formed to protect all Indonesian people and the entire Indonesian bloodline, to advance the public welfare, to educate the nation, and to contribute to world order. The national goals stated in the preamble of the constitution correlate with the spirit of establishing research agencies in regions, aiming to provide a scientific foundation for the formulation of policies to achieve societal welfare (Zulkifli et al., 2022).

Law Number 11 of 2019 concerning the National System of Science and Technology places the role and obligation of local governments to conduct research, invention, innovation, and utilization of their results in the form of intellectual property in the development of their regions to enhance regional competitiveness and improve the welfare of their communities (Hariyanto, 2023). Local governments are responsible for the emergence of various innovations that can be utilized for regional development. Through the establishment of high-quality local government research agencies, it is hoped that the optimization of research results for use in regional development policies can be achieved (Rangkuty et al., 2023). It is expected that local

government research agencies can produce inventions and innovations comprehensively and sustainably in the region, as well as create advancements in science and technology in the region as a basis for regional development planning (Rangkuty et al., 2024).

One of the pillars of Indonesia's 2045 development is Human Development and Mastery of Science and Technology (IPTEK), aimed at achieving national development and competitive regional development. The emergence of Law Number 11 of 2019 concerning the National System of Science and Technology has brought new vigor to the development of research and innovation in Indonesia. Policies related to research are further emphasized in Article 121 of Law Number 11 of 2020 concerning Job Creation. On the other hand, Law Number 9 of 2015 concerning the Second Amendment to Law Number 23 of 2014 concerning Regional Government states that research and development are within the authority of local governments.

Important points from the instructions of the Head of BRIN related to BRIDa in the BPPT Webinar on SIDa and BRIDa held on June 17, 2021 (Handoko et al., 2021) include:

1. BRIDa's institutional structure is as follows:
  - a. It is a vertical government organization at the local level;
  - b. The form and size of the organization are adjusted to the potential and capacity of the region.
  - c. Options for institutional forms include:
    - 1) Independent Regional Apparatus Organization
    - 2) Sub-units of existing agencies (part of Regional Apparatus Organizations)
    - 3) Non-structural institutions.
2. BRIDa's targets include:
  - a. Becoming a source of science-based policies in the region.
  - b. Acting as a facilitator, lever, and orchestrator.
  - c. Utilizing the potential of relevant parties in the region.
  - d. Acting as a conduit of issues in the region to BRIN.
  - e. Serving as a conduit of potential solutions from BRIN and others to address issues in the region.
  - f. Acting as a collaboration hub and enabler for multiple stakeholders.
  - g. Facilitating partners, stimulating the emergence of inno-preneurs through involvement in research and innovation activities.
3. BRIDa's focus is to be a "lever" and "organizer" of innovation stakeholders already present in the region.

Furthermore, Bidang Riset dan Inovasi Daerah (BRIDA) plays a crucial role in fulfilling the government's supporting function to endorse research-based regional programs. This role is exceedingly vital as the primary driver for accelerating development at the regional level. The enhancement of public services, the increase in regional competitiveness, and the improvement of community welfare are the objectives of regional autonomy.

Regulation of the National Research and Innovation Agency of the Republic of Indonesia Number 5 of 2023 Regarding the Governance of Research and Innovation in Regions, Chapter II on the Implementation of Research and Innovation in Regions, Article 2 explains that Research and Innovation in regions can be conducted by:

- a. Private research institutions
- b. Business entities
- c. Universities
- d. The community; and/or
- e. Foreign institutions that have obtained permission by the provisions of the legislation.

To meet the increasing expectations of the community in the future, by providing creative suggestions, the Research and Development Agency is expected to serve as a guide for Organisasi Perangkat Daerah (OPD) within the scope of the Medan City Government. Below is a table of programs and realization points from BRIDA programs implemented in 2020, 2021, and 2022:

**Figure 1.**  
BRIDA Programme of Medan City from 2020 to 2022

2020	2021	2022
<ul style="list-style-type: none"> <li>• Office Administration Service Program (100%)</li> <li>• Civil Servants Facilities and Infrastructure Improvement Program (100%)</li> <li>• Civil Servants Capacity Building Program (100%)</li> </ul>	<ul style="list-style-type: none"> <li>• District/City Government Affairs Support Program (100%)</li> <li>• Regional Research and Development Program (100%)</li> </ul>	<ul style="list-style-type: none"> <li>• District/City Government Affairs Support Program (100%)</li> <li>• Regional Research and Development Program (100%)</li> </ul>

Source: BRIDA Medan City, 2022

BRIDA Medan City for Research and Development launched several programs during the period from 2020 to 2022. In 2020, BRIDA Medan City established 3 programs such as, 1) Office Administration Service Program, aimed at increasing the understanding of Regional

Apparatus about the importance of conducting research before implementing programs/activities, 2) Improvement of Facilities and Infrastructure Program for Apparatus, aimed at enhancing coordination with Regional Apparatus and research institutions in conducting research and development, and 3) Capacity Enhancement Program for Apparatus Resources, aimed at improving the quality and quantity of research and development. Then, in 2021 and 2022, the Regional Research and Development Agency of Medan City established 2 programs: 1) Supporting Program for regional government affairs, aimed at increasing the understanding of Regional Apparatus about the importance of conducting research before implementing programs/activities and increasing the utilization of research results, 2) Regional Research and Development Program, aimed at enhancing coordination with Regional Apparatus and research institutions in conducting research and development.

## CONCLUSION

Badan Riset dan Inovasi Daerah (BRIDA) is a new entity, a unit under the Regional Government. BRIDA plays a crucial role in supporting the regional research-based programs, serving as a vital driver for accelerating development at the regional level. Research and innovation in the region can be conducted by private research institutions, businesses, universities, communities, and/or foreign institutions that have obtained permission according to the provisions of the laws and regulations. The presence of BRIDA is expected to act as an economic growth catalyst, organizer, and collaborator in solving research-based issues.

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