



## Review of Research Results at the Regional Research and Innovation Agency (Brida) in Supporting Development Medan City

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**Abstract.** *This study discusses the importance of the presence of research and innovation management institutions that are increasingly recognized along with the needs of the Government and local governments to resolve problems, development gaps and find solutions to regional government problems. This can be interpreted that BRIDA is not only transformed into a manager of supporting functions in the field of research and development as before but its presence is required to be able to fundamentally change the governance of research and development and increase its connectivity with the innovation system and global competitiveness. In the perspective of regional government policy, it is required to be able to formulate quality and evidence-based policies. This study aims to analyze the role of the Regional Research and Innovation Agency in supporting the development process of the city of Medan and supporting the development of the city of Medan. The method used in this study is a qualitative descriptive method. Data collection techniques in the form of observation and documentation. Based on the results of the study, it was obtained that the Regional Research and Innovation Agency has a policy formulation and strategy that supports the vision of developing the city of Medan into an innovative and highly competitive city. Then the Regional Research and Innovation Agency has great potential to continue to be the main driver of sustainable and innovative city development.*

**Keywords:** Review, Results, Research, Brida

### 1. BACKGROUND

Research and Development Agency (Balitbang) Regional apparatus that carries out research and development functions in the government sector in provincial and district/city areas. Balitbang is a supporting element of the duties and functions of the ministry which is under responsibility to the Minister. The main task of regional Research and Development is to carry out some regional affairs regarding supporting affairs in the field of regional research and development. The Medan City Government (Pemko) has made arrangements and adjustments to a number of OPDs in its ranks. One of the arrangements and adjustments in question is changing a number of OPD names. Among them, changing the name of the Medan City Research and Development Agency (Balitbang) to the Medan City Regional Research and Innovation Agency. This is also regulated in the Medan City Regional Regulation concerning Amendments to Medan City Regional Regulation No. 15 of 2016. The Medan City Regional Research and Development Agency (Balitbangda) was established when the Medan City Government carried out arrangements and adjustments in several Regional Apparatus Organizations. Changes to the Medan City Research and Development Agency, it was changed to Medan city hybrid after going through various efforts and stages.

On January 2 2023 through Medan City Regional Regulation Number 8 of 2022

concerning Amendments to Medan City Regional Regulation Number 15 of 2016 concerning the Establishment of Regional Apparatus, which became the basis for the formation of Brida Medan City. The Regional Research and Innovation Agency (BRIDA) is a new institution, namely a new institution in districts/cities under the Regional Government which coordinates with the National Research and Innovation Agency (BRIN) of the Republic of Indonesia. The legal basis for the formation of BRIDA is Presidential Regulation Number 78 of 2021 article 67 which reads: "BRIDA has the task of carrying out policy, coordination, synchronization, control of research, development, study and implementation as well as regional inventions and innovations in a comprehensive and sustainable manner and carrying out the preparation of master plans and road map for the advancement of regional science and technology as a basis for regional development planning in all areas of life that is guided by Pancasila values." Regional research and innovation agencies are regional institutions that carry out supporting functions for research, development and application of technology.

BRIDA also encourages increased competitiveness and sustainable development at the regional level. The Regional Research and Innovation Agency (BRIDA) is a regional partner that has an important role in helping to strengthen research-based policy making and strengthening the research and innovation ecosystem which can occur at all levels of government, both central and regional, as well as the wider community. Based on article 6 of the Minister of Home Affairs Regulation No. 7 of 2023, it is stated that BRIDA has the following functions:

1. Implement Policy. Facilities and guidance for the implementation of research and development, assessment and application as well as regional inventions and innovations that strengthen the function and position of science and technology in the region as a basis for regional development planning in all areas of life that are guided by Pancasila values.
2. Preparation, planning, programs, budgets, institutions, research resources, development of studies and implementation as well as inventions and innovations in regions that are guided by Pancasila values.
3. Coordination and synchronization of policy implementation in the field of research and innovation, cooperation in the development of science and technology as well as partnerships for research, development, study and application as well as inventions and innovations in the regions.
4. Providing technical guidance and supervision in the field of research and innovation, cooperation in the development of science and technology as well as partnerships for research, development, study and application as well as regional inventions and

innovations.

5. Monitoring and evaluating research, development, conducting studies and implementation as well as inventions and innovations in the regions.
6. Implementation of development, development, management and utilization of science and technology information systems in the regions.
7. Coordination of the implementation of research and community service based on research, development, study and application of science and technology produced by other research institutions/centres/organizations in the regions.
8. Coordination of science and technology systems in the regions.
9. Implementation of agency administration.
10. Implementation of other functions assigned by the regional head.

Based on the background above, the students decided on the title "Review of Research Results at the Regional Research and Innovation Agency (BRIDA) in Supporting the Development of Medan City".

## **2. METHODS**

The research location is the place where researchers conduct research, especially in capturing phenomena or events that actually occur from the object being studied in order to obtain accurate research data. The location for this research is at the Medan City Research and Innovation Agency (BRIDA) office located at Jl. A.H Nasution no 32 Medan, Pangkalan Masyhur sub-district. Medan Johor, Medan City, North Sumatra 20219. The time used for this research was carried out from the date the research permit was issued in the period from April - June 2024 (approximately three months). This research aims to find out and analyze the role of the Regional Research and Innovation Agency in supporting the development process of the city of Medan and to find out and analyze research results from the regional research and innovation agency into policies in supporting the development of the city of Medan. The research approach used in this research is a qualitative approach which is based on the reason that the problem studied in this research is about how Brida can support the development process throughout the city of Medan and the research results of Brida (Regional Research and Innovation Agency) in the city of Medan into policy in supports development in the city of Medan. Therefore, the research carried out by the author used a qualitative approach. Research is carried out by researchers collecting previous data or data from the field and then analyzing it inductively, where the search for data is not intended to prove hypotheses that have been formulated before the research was conducted.

This research uses a qualitative descriptive research method for clear reasons. The basis for consideration is research regarding the Review of Research Results at the Regional Research and Innovation Agency (BRIDA) in Supporting Development in the City of Medan which requires contextual and factual data as well as to directly understand the reality in the field. Researchers used descriptive analysis techniques to answer the problem formulation. Brida can support the development process throughout the city of Medan and how the research results of Brida (Regional Research and Innovation Agency) in the city of Medan become policies in supporting development in the city of Medan. Data collection in this research used observation and documentation techniques. Data collection in this research is in the form of written data documents that are stored or from the archives of Brida (Regional Research and Innovation Agency) and other documents in the form of images such as photos. In this research, the documents used are the Position Map of the Regional Research and Innovation Agency for the city of Medan, the Brida 2024 attendance list, Regional Regulation Number 8 of 2022, Perwal number 37 of 2023, SOP\_PPID\_PEMKO\_MEDAN and the summary of the Medan City Brida for 2023.

The stages of data analysis in this research are:

1. Data Collection. Data collection is a search for information from both primary and secondary data, as previously explained, the author carried out data collection in this research by interviewing informants and collecting documents related to this research, where the results of these interviews will produce primary data and The results of collecting these documents will produce secondary data.
2. Data Reduction Data reduction is a process of selecting, focusing or concentrating attention on simplifying and abstracting rough data in field notes. In other words, data reduction as part of this analysis emphasizes, shortens, focuses attention on removing things that are not important and organizes the data in such a way. In this research, researchers carried out data reduction by simplifying the data obtained in the field by analyzing data that is related and needs to be written down in the research. This process continues throughout the implementation of the research, starting from before data collection, during data collection until the research is completed.
3. Data Presentation In this research, data presentation is closely related to the process of discussion and further analysis of the problem formulation and research objectives. Presentation of data into one unit with discussion of research in accordance with the formulation of the problem and research objectives, where the data obtained by this research is analyzed in accordance with the formulation of the problem and research objectives

4. Conclusion Drawing conclusions is an attempt to draw conclusions from things found from data collection, data reduction and data presentation.

Table 1. Systematic table for preparing final report proposals in Brida

Number	Items	In 2024			
		3	4	5	6
1.	Preliminary Study	x			
2.	Literature Study	x			
3.	Making Proposals	x	X	x	x
4.	Proposal Guidance	x		x	
5.	Data collection			x	
6.	Data Management	x	X	x	x
7.	Data analysis			x	
8.	Preparation of Proposals	x	X	x	x
9.	Consultant		X		x
10.	Revision	x	X		
11.	Final Reporting				x

### 3. RESULTS AND DISCUSSIONS

#### RESULTS

##### COMPANY PROFILE

The Medan City Regional Research and Innovation Agency is an institution responsible for developing research and innovation at the local level, especially in the context of the development of Medan City. The Regional Research and Innovation Agency for the city of Medan was established with the aim of increasing the city's competitiveness, advancing innovation in various sectors, as well as optimizing the use of local resources for sustainable development. The Regional Research and Innovation Agency is led by a Head of the Agency at the Medan City Regional Research and Innovation Agency under the auspices of the government and is responsible to the Mayor of Medan with the intermediary regional secretary with the main task of carrying out government affairs in the field of research and innovation, the Regional Research and Innovation Agency Office Medan City, whose address is JL Jend. A.H Nasution No 32, Pangkalan Mansyur, Medan Johor District, Medan City, North Sumatra 20233. The Medan City Research and Development Agency has been changed to the Medan City Regional Research and Innovation Agency on January 2 2023. This change was carried out in accordance with the objectives of regional autonomy which includes improving public

services, increasing regional competitiveness, and improving community welfare. Research, Development, Study and Implementation activities) are the main objectives of the presence of the Regional Research and Innovation Agency for the city of Medan, namely encouraging research and innovation at the regional and national levels. Advancing and improving the quality of research, development, study and application of science and technology is the main focus of activities.



Figure 1. Medan City Regional Research and Innovation Agency Office

Results of research conducted on the Regional Research and Innovation Agency for the city of Medan in the context of support for the development of the city of Medan. This analysis aims to evaluate the contribution of the Medan City Regional Research and Innovation Agency in developing innovation and research that supports city growth.

### **Analysis of the Organizational Structure of the Medan City Regional Research and Innovation Agency**

The organizational structure of the Medan City Regional Research and Innovation Agency is the main focus in this analysis. Position map data and changes in organizational structure from year to year are presented to show the evolution in governance and human resource management at the Medan City Regional Research and Innovation Agency. This evaluation helps in understanding how the position and function as well as the role of various units or divisions in the Regional Research and Innovation Agency play a role in supporting city development initiatives.

### **Impact of Regional Regulation (Perda) Number 8 of 2022**

Regional Regulation Number 8 of 2022 concerning Amendments to Medan City Regional Regulation Number 15 of 2016 concerning the Establishment of Regional Apparatus of the Medan City Research and Development Agency has been changed to the Medan

Regional Research and Innovation Agency (BRIDA) on January 2 2023. This change was carried out in accordance with regional autonomy objectives, which include improving public services, increasing competitiveness, and improving community welfare" Regional Regulation number 8 of 2022 Has a significant influence on the policies and programs of the Regional Research and Innovation Agency. Policy analysis regarding the implementation of this regional regulation focuses on changes or adjustments made in terms of organizational structure, budget, as well as research and innovation priorities that support city development. Mapping the positive impacts and challenges faced by the Regional Research and Innovation Agency in following these regulations is also considered.

### **Evaluation of the Implementation of Mayor Regulation (Perwal) Number 37 of 2023**

Mayor's regulation number 37 of 2023, namely details of the duties and functions of the Medan City Regional Research and Innovation Agency in Chapter 1 Article 1 Number 9 which reads "The work team is an additional task for functional officials/other positions appointed/assigned by the head of regional apparatus to coordinate a certain task according to the scope of the task by moving functional positions and executive positions to achieve organizational goals in an efficient and effective manner" by providing further direction related to the operations of the Regional Research and Innovation Agency. This analysis includes how this regulation affects innovation strategies, collaboration with other parties, as well as increasing efficiency and effectiveness in managing resources at the Medan City Regional Research and Innovation Agency. The implementation evaluation also noted its impact on achieving the city development goals carried out by the Medan City Regional Research and Innovation Agency

### **Recapitulation of the Performance of the Medan City Regional Research and Innovation Agency in 2023**

The recapitulation of the performance of the Regional Research and Innovation Agency in 2023 is an important part in assessing the contribution of the Regional Research and Innovation Agency to the development of Medan City. Qualitative data is used to assess achievements in research initiatives, technological development, and the application of research results that support key sectors city development. This analysis illustrates the extent to which the Regional Research and Innovation Agency has succeeded in meeting targets and supporting the city government's vision in terms of sustainable development.

### **Evaluation of Medan City Government PPID SOP**

Standard Operating Procedures (SOP) for Information and Documentation Management Officers (PPID) in the Medan City Government have an impact on the

transparency and accessibility of information produced by the Regional Research and Innovation Agency. This evaluation includes how this SOP affects the flow of information, internal and external collaboration, as well as the responsibility of the Regional Research and Innovation Agency in providing relevant data and information to the community.

## **DISCUSSION**

Research according to the Big Indonesian Dictionary (KBBI) is an investigation (research) of a problem in a systematic, critical and scientific manner to increase knowledge and understanding, obtain new facts, or make better interpretations. General research objectives: Identify new things. Solving existing problems, interpreting something. According to Hopkins WG (2002) Research is sending a question or issue and answering a question or solving a problem. Meanwhile, according to Burns (1994), research is a systematic investigation to find answers to a problem. According to Creswell (2016:3) explains that research methods are research plans and procedures that include steps ranging from broad assumptions to detailed methods in collecting, analyzing and interpreting data. Existence without manipulation, regulated by experiment or test. (Donald Ary) research is a general strategy adopted in collecting and analyzing the data needed to answer the problems faced. This is a solution plan for the problem being investigated. According to (Soerjono Soekanto) Research is a scientific activity that is based on systematic, methodological and consistent analysis. With an effort to reveal the truth as a form of manifestation of the human desire to know something. According to (Sanapiah Faisal) research is an activity in studying a problem using scientific methods in an orderly and systematic manner to find new, reliable knowledge about the natural world and the social world. Several opinions according to these experts can be concluded that research is conducting research with objectives, formulations and factors to be analyzed and interpretation of data to solve a problem, namely by research.

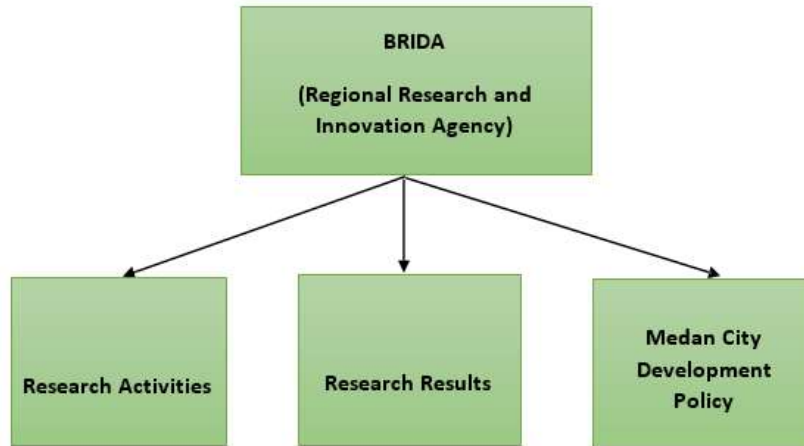
According to Deddy T. Tikson (2005) that national development can also be interpreted as deliberate economic, social and cultural transformation through policies and strategies towards the desired direction. Meanwhile, according to Rogers (Rochajat, et al: 2011: 3) development is a useful change towards a social and economic system that is decided as the will of a nation. Furthermore, according to W.W Rostow (Abdul: 2004: 89) development is a process that moves in a straight line, namely from underdeveloped societies to developed countries. Development was originally used in the sense of economic growth. A community is considered successful in implementing development if the community's economic growth is high enough. Thus, what is measured is the productivity of society or the productivity of the country each year. (Rochajat, et al: 2011:3). We must look at the definition of development



dynamically, and not see it as a static concept. Development is an orientation and endless business activity. The development process is actually a socio-economic change. Development can be a process that can move forward or its own strength depends on humans and their social structure. Then, according to development experts, development is a process of change that is planned to improve various aspects of people's lives.

The Regional Research and Innovation Agency for the city of Medan plays an important role in developing a framework for research activities that support the development of the city of Medan. By utilizing Research activities based on Innovation, the Agency can identify relevant challenges and opportunities in the context of Medan city development with the Research and Innovation Agency Medan areas support this development. Such as infrastructure, natural resource management, spatial planning and environmental sustainability. Thus, this framework not only considers technical and economic aspects but also takes into account social, cultural and sustainable aspects that are important for the people and environment of the city of Medan.

- implement it in regional policy.
- Y1 : Regional Research and Innovation Agency facilitates and directs research activities by providing the necessary funds, infrastructure and expertise. The success of research activities is highly dependent on the support and coordination provided by the Medan City Regional Research and Innovation Agency.
- Y2: Relationship with research activities is very dependent on the effectiveness of research activities supported by BRIDA. Good research results are the result of careful planning and effective research implementation.
- Y3: Research results produced by the Medan City Regional Research and Innovation Agency are used as a basis for formulating development policies. Policies that are based on evidence in the field tend to be more effective and efficient in achieving development goals. Brida plays an important role in ensuring that the policies taken are based on factual and accountable data and analysis



**Figure 2. Thinking Framework**

Description :

1. Brida(X) as the main facilitator plays a role in research activities (Y1).
2. The effectiveness of research activities (Y1) influences the quality of research results (Y2).
3. Good and quality research results (Y2) are used as a basis for formulating the Medan City Development Policy (Y3).
4. A good Medan City Development Policy (Y3) will contribute to sustainable and innovative development in Medan City.

#### **4. CONCLUSION**

The conclusion of this review of research results provides a comprehensive picture of the contribution of the Medan City Regional Research and Innovation Agency in supporting city development through innovation and research. Through analysis of the organizational structure, implementation of regulations, performance evaluation and implementation of PPID SOPs, it can be concluded that the Regional Research and Innovation Agency has a crucial role in advancing the City of Medan in a sustainable manner. This conclusion illustrates the commitment of the Regional Research and Innovation Agency in formulating policies and strategies that support the vision of developing the city of Medan into an innovative and highly competitive city. Then the Regional Research and Innovation Agency has great potential to continue to be the main driver of sustainable and innovative city development. Suggestions from researchers to the Medan City Regional Research and Innovation Agency are to strengthen the organizational structure of various research fields that are relevant to the needs of the city of Medan and services to the community, prioritizing city needs, clear implementation plans, developing policies with field data, strengthening capacity and resources

people, innovation and technology, Brida Medan City is expected to be more effective in providing community services and make many more real contributions to the innovative development of the city of Medan

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