

BERiDE – Collaborative And Participatory Platform for Jakarta Smart City

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1 URBAN DEVELOPMENT IN SMART CITY ERA

In this decade, cities in the world are competing to provide various digital applications in order to create an easier daily life for their citizens, so that the cities can be categorized as smart cities. In Indonesia, it is most likely happened in big cities such as Jakarta, Bandung and Surabaya. Smart city is expected to become a future city concept which also includes smart environment, smart governance, smart people, smart living, concept smart mobility, and smart economy concepts. Most of the time, Smart City is identified with only digitizing process and implementing mobile apps, while in fact, smart city concept is way more complex than just about developing some mobile applications.



(Beri-Ide/Give an Idea) Tools to Bring Up Your Idea

A city can be categorized as smart city if it can manage all the resources effectively and efficiently in order to solve various challenges, using innovative, integrated and sustainable solutions. The key to a success Smart City is the application of all components holistically. However, the most important component to accelerate adoption of Smart City lies not only in smart infrastructure, but also in citizens and city governments.¹ Therefore, the manifestations of smart city application are the city residents who are also smart and effective also efficient city activities, certainly, with IT (Information of Technology) support in gathering a lot of information and automating many activities. A city can be classified as a smart city if it has integrated information and communication technology to a certain level in the process of governance and daily operations.

Keywords: Indonesia, Smart City, BERiDE, city development, collaboration

2 JAKARTA VISION AS CITY 4.0 AND THE EMERGE OF BERIDE'S

As the state capital, Jakarta becomes a melting pot of various types of people and activities. With a large area, an enormous population, and very heterogeneous socio-economic, ethnicity, religion, society backgrounds, the government needs to continually searching for a breakthrough concept in order to connect with its citizens, especially in the current era that upholds participatory development in all aspects of urban development.

The spirit of participatory development is clearly stated in the vision of DKI Jakarta's elected Governor and Deputy Governor for 2017-2022, which is "Jakarta is a developed, sustainable and cultured city whose citizens are involved in realizing civilization, justice, and prosperity". Those line of vision also became the main driving force of development which helped determine the direction of Jakarta's development in the future.

¹ (Prof. Suhono S. Supangkat, Smart City Initiator from ITB)

The Governor of DKI Jakarta, Anies Baswedan, also often echoes his hopes regarding Jakarta being able to become City 4.0 where the government acts as a platform provider and citizens as co-creators. Seeing these two things, BERiDE comes with the same enthusiasm and hope to be a tool that help citizens connect with the government, help citizens to be the co-creators by transmitting their creativity into urban development programs.

CITY 1.0	CITY 2.0	CITY 3.0	CITY 4.0
Government: administrator Citizens: residents	Government: service provider Citizens: consumers	Government: facilitator Citizens: participants	Government: collaborator Citizens: co-creators

Picture 1: City Evolution. Source: IAP (Ikatan Ahli Perencana), 2019

3 THE BEGINNING OF BERiDE

BERiDE was founded in 2014. It was started from a small initial research by several young urban planning graduates, and they named it 60 Ideas for Jakarta.

We believe that, those who know the most about a region/city problems are the ones who lived and doing activities in that region/city, themselves. The government's duty is to accommodate the information of the problems and the alternate solutions. Despite, the government already has work structure and system that is covered by various laws and regulations, which also need to be understood by the citizens.

As the technology evolved and citizens' awareness about the city increased, there are million of ideas popped up and BERiDE will be the one tool that could leverage the connection between citizens and the government. Website and mobile application are also easier to build nowadays, and BERiDE tries to collaborate those things: the problems and solutions from citizens, interests, structures, government work systems and legislation, also the information technology as an effort to create a city that accordance to its' development vision.

Before the launching event, BERiDE had gone through a discussion process with Mr. Setiaji as Chair of the UPT Jakarta Smart City and Bappeda. BERiDE also made two presentations before, that presented to the Deputy Governor of DKI Jakarta, Sandiaga Uno along with the Head of the Communication and Information Service Office Drg. Dian Ekowati, MARS.

Not only with the DKI Jakarta Provincial Government, BERiDE also explored the discussions with IAP (Association of Planning Experts) DKI Jakarta Province. IAP also provided their support for BERiDE by helping in publications and giving technical support in organizing competition in Jakarta. In addition, BERiDE also discussed and received a lot of inputs and insights from URDI and Rujak Center for Urban Studies such as: BERiDE needs to compete more with the government by using the crowd funding systems. This can be started from small and inexpensive ideas, so the ideas are easier to be applied. The copyright permission of ideas that come through the competition activities also needs to be paid attention intensively to avoid the misuse by the irresponsible people.

On May 23rd, 2018 BERiDE was officially launched at the UPT² Jakarta Smart City Office, City Hall, Central Jakarta by Mr. Sandiaga Uno, the vice governor of DKI Jakarta at that moment. He said "This is a platform that will induce citizens participation in providing ideas to organize and manage Jakarta to be a livable, more sustainable and developed city so that there can be more jobs opening and also to improve the welfare of its citizens" as quoted from Kumparan News.

4 ABOUT BERiDE

BERiDE is a website-based and mobile application interactive service that can be used by city residents to channel city development ideas. It is also can be utilized by various government agencies, private agencies, and communities to organize city-themed competitions.

BERiDE was developed as a window of ideas for the citizens, with the hope of becoming a bridge between ideas which are the aspirations of citizens, the authorities and relevant investors to help the actualization of the ideas.

² UPT (Unit Pelaksana Terpadu – Integrated Implementation Unit)

The ideas are not only about the physical development of the city, but can cover variety of fields, including the public and social services; culture, recreation, and events; information and communication technology; statistics; community empowerment and child protection; library and archives; population, civil registration, transmigration, and family planning; employment; and others. BERiDE wants to invite students, experts, professionals, volunteers, or anyone who has the ideas and start to describe and illustrate every details of their ideas.

5 THE DEVELOPMENT OF BERiDE

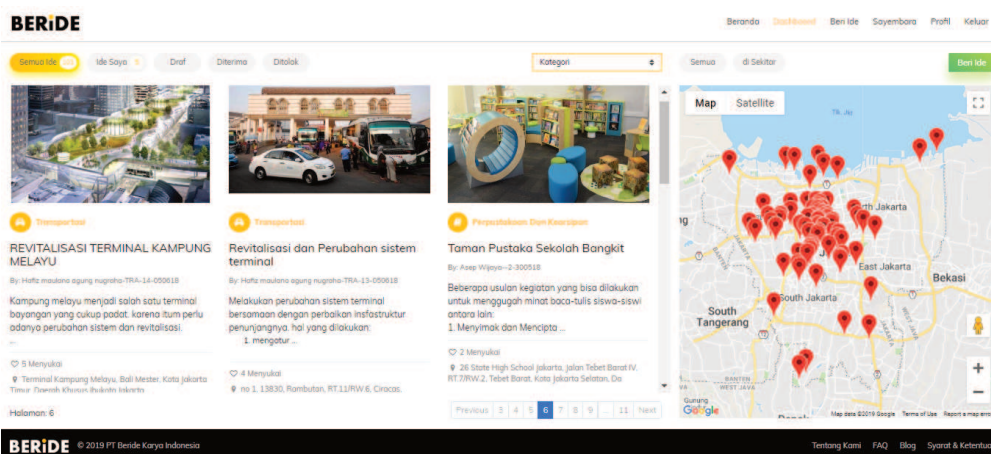
BERiDE is expected to be an incubator of ideas that are able to roll out ideas, initiate collaborations of various parties, raise funds, and bring up the ideas to realization for the good of the city. Therefore BERiDE will continue to be developed in terms of devices, managerial process ideas, and implementation of derivative events.

After BERiDE has been inaugurated to the public, the next plan was to conduct roadshows to several numbers of universities and communities in Jakarta to encourage the utilization of BERiDE. Going forward, BERiDE will also develop features in the form of reward points, crowd funding, and the utilization of artificial intelligence of curating ideas.

6 HOW BERiDE WORKS?

BERiDE wants to invite students, experts, professionals, volunteers, or anyone who has any ideas and start to describe and illustrate every details of their ideas, and submit it to BERiDE. The procedure to submit the ideas are quite easy. Intelegensia (how the user is being called in BERiDE) simply go to jakarta.beride.id to register and then confirming the account via notification e-mail. Furthermore Intelegensia can submit the ideas by following the given instructions on the website. Intelegensia should choose the categories, type the titles, give informations about locations, location descriptions, description of ideas, predictions of positive implications that arise from the idea, and finally the visual illustration of ideas in the form of images or videos.

Besides the free ideas, people can also submit the specific ideas on special contests page. In leisure time, people can also just surf to see ideas that are submitted by other Intelegensia in various location settings, categories, and other regulatory features. It is also possible for anyone to give 'likes' and 'comments' for all the incoming ideas.

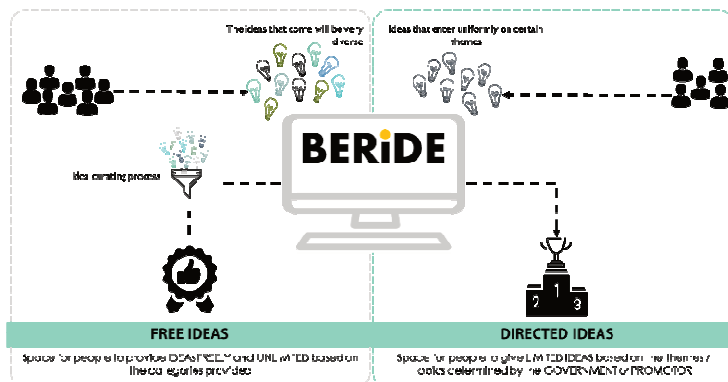


Picture 2: Dashboard of BERiDE. Source: BERiDE, 2019

Incoming ideas will go through a curating process by BERiDE internal team that has various educational backgrounds such as urban planning, architecture, economic development, design, IT. After that, selected ideas will go through a process of discussion and consultation with relevant government agencies, practitioners, communities and related parties. The accepted ideas are intellectual property rights that are recognized and protected by BERiDE.

As explained before, BERiDE is a website-based and mobile application interactive service that can be utilized by the city residents to channel city development ideas and can be utilized by various government

agencies, private agencies, and communities to organize the city-themed competitions. There are 2 types of ideas in BERiDE, the first one is free ideas and the second one is directed ideas (contest).



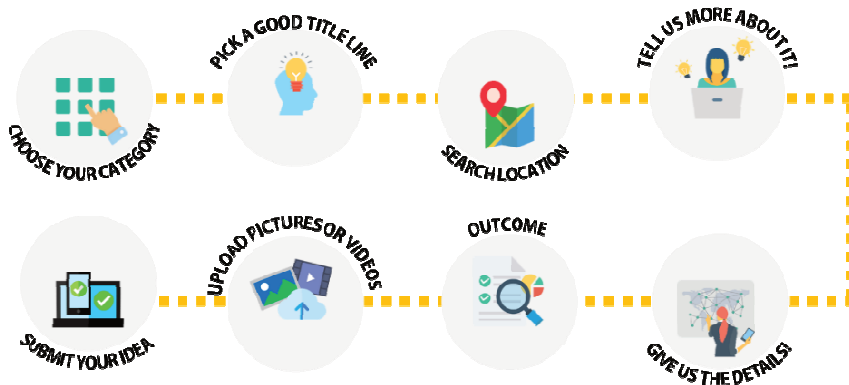
Picture 3: Scheme of BERiDE. Source: BERiDE, 2019

6.1 Free Ideas

The first one is free ideas, where people could give ideas freely, anywhere, and anytime, based on the categories provided. There are 26 categories provided that all terms are selected and curated from Law 23 of 2014³ and SNI 03-1733-2014.⁴ In free ideas category, the ideas collected will be very diverse. People could give any ideas and BERiDE team would do the curating process. The ideas that are curated will be given to stakeholders. For every applicable ideas, the initiator of the ideas will be given some rewards as an act of appreciation. There is no time limit in the free ideas category. On the government’s side, every ideas that are collected from the free ideas category, are seen as recommendations and they are not obligated to put it to realization. But, they can choose the ideas that are seems to fit with their programs and embodiment it.

After being submitted, the ideas will be curated first by the BERiDE team, which consists of various scientific disciplines such as urban planners, architects, environmentalists, civil experts, sociologists, and so on by also involving teams from the profession such as IAP (Ikatan Ahli Perencana – Urban Planner Association), IALI (Ikatan Arsitek Lansekap Indonesia – Indonesian Landscape Architect Association), IAI (Ikatan Arsitek Indonesia – Indonesian Architect Association), and so on. Every curation process of the idea is considering of many aspects, such as the quality, feasibility, compliance with laws and regulations, urgency, possible impacts, and other criteria.

The ideas that pass the curation process will then be submitted to the relevant SKPD (Satuan Kerja Perangkat Daerah) to be followed up. If there is a follow-up process, the people who submit the idea certainly need to be informed and involved again. This process needs to be considered further.



Picture 4: Submitting Process. Source: BERiDE, 2019

6.2 Idea Competition

The second type of idea is an ideas that can be channeled through the contest. Each contest can come from the needs of the government, community, company, or other private sectors. In this case, BERiDE became a

³ Law 23 of 2014 about Local Government

⁴ SNI 03-1733-2014 about Indonesian National Standard of Procedures for Planning A Residential Environment

facilitator for the competitions: gathering and processing the ideas until the winner is decided. BERiDE will list all the Terms of Reference (TOR) for each contest, anyone who wish to participate can download the TOR and then submit the ideas through BERiDE website in accordance with the provisions given. Each ideas that is entered, then curated by the BERiDE team then be assessed by the selected judges.

7 CURRENT BERiDE SITUATION

Currently BERiDE will continues to improve its' information technology, while undergoing offline activities such as roadshows to campus, professional associations, research, etc. Within 6 months, there were 428 registered users, and 202 entries and 5 competitions were held involving 8 universities. The development of BERiDE is currently focused on following activities:

- Showcase for city development ideas: as a medium/forum for fresh ideas from citizens.
- Competition: a place to capture ideas that are more focus on a particular subject, both for the government, the private sector, NGOs, communities, associations, and so on.
- Curate Ideas: BERiDE team and professionals will curating previous submitted ideas and then recommend it to another relevant parties.
- Collaboration: provide a space for collaboration between stakeholders. BERiDE provides space for individual to be able to collaborate with other individual or even with other communities. This is also an opportunity for the intelegensia to have a better ideas and a wider scope to explore the city.

8 BERiDE IN THE FUTURE

In the future, BERiDE is hoping to become:

- Idea Incubator: incubating ideas, from the planning process to implementation. Not only for idea display, in the future BERiDE will be the one place for everyone to search for fresh ideas, anywhere and anytime, especially for the stakeholders or the local government. It is because all the ideas in BERiDE always have the location and the details, so it is easy to read and understand.
- Crowd Funding: mobilizing a crowd funding for ideas that has been selected before. Crowd funding could make the ideas more applicable and easier to build. The results can be utilized together by the citizens. With this, the citizens are the co-creator for the city.
- Reward (Advance): in the form of publications, awards, even something commercial
- Duplication: not only in Jakarta, but for all other cities in Indonesia. We want to make a better environment between the citizens and the government to reach the better City 4.0 in Indonesia.

9 FINAL WORDS

Through BERiDE, citizens can provide many varieties of fresh ideas and aspirations that have an opportunity to be collaborated with the government in order to build their city. So that, the hope of creating city 4.0 is not only a dream. The good cooperation between the citizens and the local government will create a better city. Through BERiDE, this condition is expected to be obtained. Not only in Jakarta, but all local governments in Indonesia can also implementing BERiDE in their area.