Information Communication and Technology in the Industry

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Abstract. This research aims at finding out the role of technology and information in the company. Generally, information and communication technology aims at providing a general understanding of information and communication technology equipment. This research aims to examine the importance of the application of information technology for a government to obtain the value chain of information technology, which is beneficial for all aspects of efforts to improve efficiency and effectiveness. The research method used in this research is a qualitative descriptive method through the socialization of questionnaires and interviews to employees of the Bandung City Government to get more in-depth information. The results prove that information technology has a very important impact on employee performance because it will facilitate all activities to be faster, precise, and accurate, including in the Bandung government. It is because it has utilized modern information technology in managing government management. In conclusion, this research is important to improve the understanding that information technology is necessary and beneficial for the government and win the competition with the private sector. The government must have advantages, core competitiveness, strategies, and innovations, especially in information technology.

1. Introduction
Information and communication technology is a challenge that companies must face. Innovation and applications based on information and communication technology (ICT) have become the main driving force for enhancing organizational performance, economic growth, and social change. [1] Information and communication technologies have become valuable business tools for entrepreneurs [2]. Information and communication technology, education/training, and R&D are among the most important elements for establishing an entrepreneurial platform. [3] Entrepreneurship and ICT require skills to adapt to current economic trends. [4] Sin Tan's Kotelnikov explained the level of entrepreneurs' use of information and communication technology, categorized from basic technologies such as radio and mobile phones to email, e-commerce, and information system processes. Using it is more economically valuable and promising for its business. [5] The company's IT capabilities are essential
for better website management because they can portray comprehensive information and electronic payment systems. [6] Multinational companies put ICT business management at risk in terms of post-acquisition integration, and managing the process of shared value creation is the key to success in performance management. Sin Tan also pointed out that the application of ICT in companies can improve business processes through the internet. Entrepreneurs can communicate with customers via email, file sharing, building websites, and e-commerce. [7-8]

This research refers to previous research. According to To which states, information technology impacts various activities, especially when it comes to regulating business processes to adapt information technology to its environment [9]. Like the importance of information technology is applied to the organization[10]. Therefore, it needs an in-depth discussion of what kind of information technology will be applied. Information technology affects internal control because it will manifest more optimal results[11].

Furthermore, activities that include marketing, finance, resources are inseparable from the advancement of information technology because it will facilitate its implementation[12]. Technological advances are impacting its activities to survive against its competitors. This research has differences from previous research, namely the dimensions of content research and revolution problems. Therefore, it is important to be researched [13].

Advances in information technology and communication are bound to affect employee performance. According to Simamora, quoted and translated by Nurhayati, employee performance is the level at which employees meet job requirements [14]. According to Robbins, five indicators measure individual employees' performance, namely quality, quantity, timeliness, effectiveness, and independence. [15] Implementing information technology for a company is to obtain a value chain from information technology, which is beneficial to all aspects of the business and aims at improving efficiency. The research method used in this study is a descriptive method, which is interviews used to obtain more in-depth information.

2. Method
The method used is descriptive and qualitative. The goal is to explain the phenomenon in more depth, proving that the data obtained's detail and depth are very important for research. It is because it uses qualitative research. This research does not focus on the value or number of variables measured. We used interview techniques, observation, and dissemination of questionnaires to the Bandung watershed government in the information system section for data collection. The questionnaire results were collected again to map respondents' answers and compare them with interviews and observations. Then, we analyzed the results to obtain conclusions about the benefits of using information technology in government.

3. Result and Discussion
The use of information and communication technology (ICT) inactivity has grown rapidly in recent years. Nowadays, most people can easily use modern ICT products, namely iPods, mobile phones, personal organizers, and digital TVs to satellite communications technology, personal computers, and the World Wide Web. This new technology can help organizations maximize the search and exchange of information and disseminate it through electronic publications. This allows individuals to directly communicate with others around the world from home or office. [16] It can be shown the useful use of computers and the internet both nearby and far, which is shown in Figure 1.
Based on figure 1, it can be seen that information technology is very necessary for both remote and non-long distance because it will help communication and coordination to realize the company's achievements. The revolution in information technology needs to be done so that the company is ready to compete with other companies in its management.

The role of information and communication technology in the field of government is demonstrated by the emergence of e-government, which proven to improve the cooperation relationship of the central government with other parties, such as citizens through Government to Citizen (G2C), business companies through Government to Business Enterprises (G2B), and other governments through government to government (G2G). Good government is a joint agenda that is agreed on to realize a government that costs less, quality government, professional government, digital government, and government that conducts regulatory reforms. Therefore, governments need to build innovation in the public sector, such as developing the policy framework introducing e-government, including the establishment of new strategies and laws involving all stakeholders in the community. The condition of the utilization of information technology in the city of Bandung is categorized as good because it has used modern technology to manage its government [17].

Through this policy, the government responds from various communities; if the public assesses that the policy can improve the quality of administration in Indonesia, then the community's value will increase as well [18]. Anyone can utilize internet-based information and communication technology by knowing the general principle of information search in the internet world. At least two factors determine the amount of time and effort we spend to obtain such information, namely, level of expertise on topics and knowledge of search strategies [19]. A person's level of expertise is very influential in finding information effectively and efficiently as the person can understand the language and prepare knowledge in the field of expertise [20].

Based on the results of surveys and interviews in the Bandung government, the database required by the government of Bandung is by its duties and functions. The naming system of the database used is adjusted to the function of the database in question, for example, the database containing recapitulation data from each work unit and used by the regional head, regional secretary, and secretary of the council for reporting, decision making, and strategic planning of local government named "executive database." To prevent data duplication in some work units, some work units that require the same data must use the same database. Therefore, one database can be used by several work units to build its information system.

4. Conclusion

In the application of information and communication technology, the Bandung Government has been quite complete and has used modern technology. It must be realized that information and communication technology is just a tool that will not create any change if it is not supported by adequate human resources and work culture to run these tools.
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