

## **Improvement of Public Service Satisfaction in the Majalengka Regency Local Government through the Implementation of E-Government-Based Policies**



**Yeti Kuswati**

Faculty of Social and Political Sciences, Universitas Majalengka, Indonesia

**ABSTRACT:** In order to improve public service satisfaction, this study will investigate and examine how e-government-based services have been implemented. The Presidential Instruction No. 3 of 2003 concerning the National Policy and Strategy for the Development of e-government is referred to as the "e-government-based implementation". This study uses quantitative research methods with analytical techniques carried out descriptively and verification. In accordance with Presidential Instruction Number 3 of 2003 concerning National Policies and Strategies for e-Government Development, KEPMENPAN Number 63 of 2003 regarding General Guidelines for the Implementation of Public Services, and Laws-Law Number 25 of 2009 concerning Public Services, research demonstrates that the Majalengka Regency Government has institutionally implemented e-government-based services. Other findings show that e-government services have a high level of accuracy, effectiveness and efficiency in providing services, because e-government-based services are considered effective in minimizing the error rate in the service process. However, the achievement of e-government-based services in Majalengka Regency is still faced with various challenges, especially those related to the support of facilities and infrastructure, technology support and network stability as well as the support of human resources as managers.

**KEYWORDS:** Policy Implementation; E-Government; Public Satisfaction; Local Government

### **I. INTRODUCTION**

Every organization has been forced to evolve as a result of the Industrial Revolution 4.0 and the Society 5.0 eras. This is especially true for the way that organizations use technology and information systems, which are essential for creating effective and efficient services (Ellitan, 2020; Ellitan & Anatan, 2020). The government as a public service has duties and responsibilities in providing quality services to the public (Fernandes & Fresly, 2017). The purpose of providing quality services to the public is to increase community satisfaction. However, the current problem is that the government is still faced with several phenomena related to public service problems, including those related to services that are complicated, long and require money, so this is what creates a negative image of the government. Indonesia's ranking in the field of public services is ranked 32 which is still inferior to Malaysia and Thailand which were ranked 22 and 25 in 2019. The condition of services in Indonesia is considered very bad because corruption, collusion and nepotism are still found in public service activities.

Various efforts have been made by the government in improving the quality of public services through Law Number 25 of 2009 concerning Public Services. This law serves as the foundational legislative framework for developing high-quality services in line with the concepts of providing public services and delivering services in line with service standards (Pratiwi & Sari, 2017). The current era of quality services is a demand for people who want effective and efficient services. Therefore, the transformation of public services has been carried out both through the use of technology and information as well as through the integration of services carried out by government agencies. However, the government is still faced with the problem of information technology which has not yet reached all parts of Indonesia (Barata, 2019; Djuara Lubis, 2021), and is also faced with the problem of employee competence (Haryanto et al., 2020; Viendyasari, 2020).

Studies on e-government conducted by previous researchers were more dominant in discussing internal aspects, namely in terms of the performance evaluation system (Almaiah & Nasereddin, 2020; Li et al., 2019; Singh et al., 2020), while the research that will be conducted the study of e- government examines the impact of its implementation on public satisfaction. The importance of public satisfaction plays an important role as an output of public service activities (Prismakova, 2021). The importance of e-government in public services as explained in research (Ashaye & Irani, 2019; Kaya et al., 2020) that the use of e-government -government can improve the effectiveness and efficiency of government performance in services. Good governance is one of the most hotly debated issues in emerging nations, particularly Indonesia (Darniyus & Warsono, 2020).

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The purpose of this paper is to complement previous research which tends to examine aspects of e-government from the internal aspects of the organization, in line with that this research in addition to examining the internal aspects of the organization also measures the impact of implementing e-government policies on public satisfaction. This study also seeks to promote the core objective of e-government development, which is to enhance government-community ties by providing information about government operations and encouraging reciprocal engagement between the two. This is based on the 1945 Constitution's Article 28F, which states as follows: "Everyone has the right to communicate and obtain information to develop his personal and social environment, and has the right to seek, obtain, possess, store, process, and convey information using all available channels". The normative foundation for strengthening e-government policies in accordance with Presidential Instruction No. 3 of 2003 is the gateway to the development of e-government in Indonesia. According to Presidential Instruction No. 3 of 2003, E-Government aims to ensure that the development of a transparent public service system includes the management and processing of electronic documents and information. Each Governor and Regent/Mayor is required to take the necessary actions in accordance with their respective duties, functions, and authorities for the implementation of e-government development on a national level by Presidential Instruction No. 3 of 2003 concerning the National Policy and Strategy for the Development of e-Government. The hypothesis in this study is that the implementation of e-government policies has an effect on public satisfaction.

Previous research has been conducted by Nurmawan et al. (2021) on Government Bureaucratic Culture in Public Services in Majalengka Regency, this study discusses government administration from several main aspects, namely Tangibles, Responsiveness, Reliability, Assurance and Empathy. Based on these aspects, it is known that the five of them can create a system and meet the applicable standards, although in practice there are still some obstacles that are less effective and the lack of discipline that has not been applied in the office environment. Based on previous research, researchers feel that there is a variable that is lacking, namely about public satisfaction. The lack of discipline and the ineffectiveness of obstacles in the service of course have a very broad impact, because public services are now part of the needs of every community. Therefore, public services increasingly need to be addressed and improved in this technological era. There are some factors that hinder its implementation, which include the negative impact of policies and public resistance to policies (Rulandari et al., 2022).

This is also reinforced by research conducted by a study conducted by Choi & Chandler, (2020) where the development of regional e-government in Majalengka district is currently still mostly focused on providing web-sites and information services, thus encouraging a postulate that an agency that implements an e-government system that is successful only if it already has a web-site, in other words, there is a transformation of relationships between all stakeholders using electronic media. This narrow definition of excess results in less optimal use of government technology in the government environment, not touching the substance and purpose of the system, namely service satisfaction felt by the Majalengka public. In addition, the information system in the management of various agencies in Majalengka is very difficult to integrate into a common forum so there is no synergy caused by the lack of support from the government bureaucrats themselves.

These improvement efforts really need to be done in order to create services that are more efficient, effective, and more active to adapt to the needs and aspirations of the community. If the quality of service is low and occurs in almost all aspects of service in Majalengka district such as in the aspect of administrative services and goods services, then such problems need to be corrected immediately by analyzing the implementation of e-government because this is based on the fact that people have become more accustomed to the network model. electronics and internet technology-based networks. Despite the implementation of national plans by the central government, there are still many areas for improvement and a lack of cooperation between the government and the community (Satispi et al., 2021).

However, no matter how sophisticated or great the technology used in implementing e- government is, it returns to government agencies as system developers. One of the obstacles as well as challenges in implementing e-government services in Indonesia lies in the problem of organizational culture, namely a culture of sharing and a culture of documenting which is not commonly done by officials. Furthermore, if the use of the system and its implementation has provided benefits to the community in relation to public services, it will facilitate public accessibility to services, shorten the time-of service delivery, increase the level of justice, improve service accuracy, and prevent the government system from the possibility of corruption.

## **II. METHOD**

This research is included in the type of quantitative research using descriptive and verification methods (Kuswati, 2020; Nugraha & Riyadhi, 2019; Twizeyimana & Andersson, 2019). Primary data and secondary data were the sources of the data used in this study. While secondary data was gathered from the Majalengka district website and from research publications that supported this research, primary data came through delivering questionnaires to respondents who had been chosen by the researcher. The research units are the Agency, Regional Apparatus Organizations (RAO), hospitals and urban villages in Majalengka Regency as many as 56 units. While the research population was determined from involvement in the e-government-based service process which opened 395 people and used the Slovin formula sampling. From the Slovin formula, the number of samples is 126 samples with a margin of error of 5%. The sampling technique used in this study used cluster proportional random sampling.

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Data collection techniques in the study were carried out through observation, interviews and research questionnaires distributed to predetermined respondents (Herlinawati et al., 2022). In this study, validity and reliability tests were also used to assess the level of accuracy and validity of the research data produced. Data analysis techniques in this study were divided into descriptive analysis and verification analysis. Descriptive analysis in this study uses the value of the frequency distribution and the average value, while the verification analysis in this study uses path analysis. The use of path analysis is not only to analyze the direct and indirect effects, but also to test the research hypotheses. The implementation of method verification is illustrated as follows:

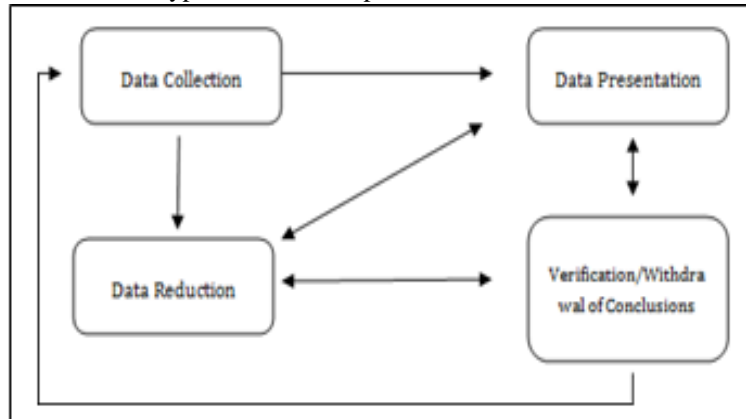


Figure 1. Application of method verification

## III. RESULTS AND DISCUSSION

### 1. Result

The research results in this study are divided into descriptive research results and verification research results. Before describing the results of the research descriptively and verification, then the validity and reliability of the research instrument was first tested. The results of the reliability test in this study were viewed from the Cronbach's alpha value. From the results of the reliability test, all the instruments that make up the questions for each variable have a Cronbach's alpha value > 0.70. These results indicate that all research variables are concluded to be statistically reliable.

The purpose of descriptive analysis in this study has the aim of describing the distribution of the data that has been collected. The distribution is a measurement of the central tendency as well as a measure of form by presenting the percentage, mean, and standard deviation. Descriptive analysis was conducted to determine the existing conditions of e-government policy implementation and public service satisfaction. Verificative analysis was conducted to test the hypothesis of the effect of e-government policy implementation on public service satisfaction. The results of the descriptive analysis test in this study are presented in the following table:

Table 1. Descriptive analysis result

	Organization	Interpretation	Implementation	Service Quality	Valid N (listwise)
N	15	14	8	7	44
Min	3.90	2.81	3.82	3.98	
Max	4.33	4.05	4.21	4.34	
Mean	4.162	3.761	4.132	4.241	
SD	4.28	3.567	4.23	4.14	

Source: data proceed

Based on the description analysis of the variables of e-government policy implementation, it can be seen that the average value is 4.162. These results indicate that most of the e-government policy implementations have been well perceived by the respondents. However, seen from each indicator analysis, the value is quite varied, meaning that respondents perceive quite differently about the implementation of e-government policies that have been implemented by service providers (government). Judging from the value of the results of the descriptive analysis, the lowest and highest values were obtained. The highest score from the analysis of the implementation of e-government policies is the support for the normative basis, namely laws and regulations on e-government with an average score of 4.38. Presidential Instruction No. 3 of 2003 on the National Policy and Strategy for the Development of e-Government serves as the normative framework that supports the execution of e-government initiatives. Therefore, in terms of organization and regulation, this policy already has the power of formal legality in implementing and developing e-government services. Other research findings indicate that aspects of supervision and monitoring activities in the development of e-

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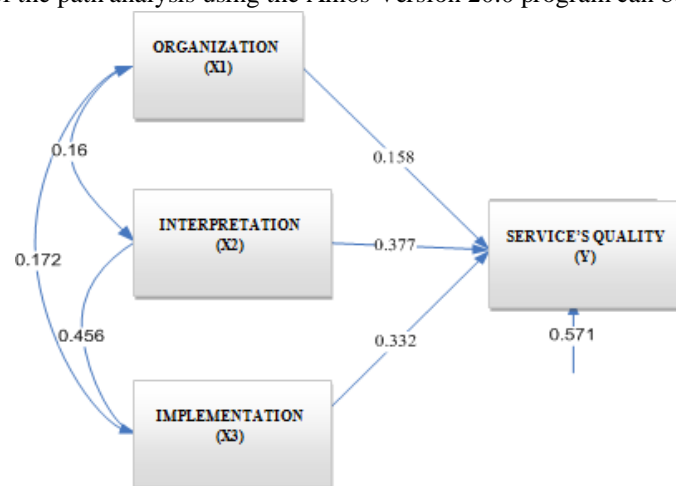
government systems are still low, so this study recommends that evaluation and monitoring activities should be carried out periodically.

The factor that becomes the obstacle is that the monitoring and evaluation system is not optimal, this is caused by the habitual pattern of manual system work it switches to an integrated electronic- based system. In addition, the bandwidth management system is not yet fully integrated with each RAO due to limited human resources in the field of information technology, so this affects supervision and monitoring. Majalengka Regency has basically operated e-government under the site name <http://majalengkakab.go.id/>, which contains all the information and services needed by the public on the website. The development of the e-government system continues to be carried out by the Majalengka Regency government in providing the level of public satisfaction, although there are still some obstacles faced by the Majalengka Regency government, including the integration system between Regional Apparatus Organizations (RAO) with one RAO has not been maximized. The results showed that the indicator of integration between RAOs in the e-government service system had a low value when compared to other indicators.

Based on the results of research on public satisfaction descriptively, it has an average value of 3.76 which is included in the category of moderate to good. The results of this study indicate that overall public satisfaction with the implementation of e-government policies has been perceived as quite good. This means that the government has tried to provide e-government-based services in various aspects of public services to realize public service satisfaction, even though its achievements have not met the service target. However, there are several aspects that have been assessed as good, including the accuracy of data and information in services and the response of officers in updating information and data.

E-government-based services from research findings show a high level of accuracy, effectiveness and efficiency in providing services. The results show that e-government-based services are considered better than manual services. From the results of the analysis, there are several superior factors in e- government-based services when compared to manual services, including the level of accuracy, the low level of error in service, the speed of delivery of new information needed by the community and the high accuracy of the data. However, the findings of this study also found that e-government-based services must be balanced with the support of adequate facilities and infrastructure, strong technology and network support and the condition of human resources that are directly related to e-government-based services. These three aspects are challenges faced by the Majalengka Regency Government in providing reliable and reliable quality e-government-based services. The attention of these three aspects is the support of infrastructure, technology and network support and the support of competent human resources become a necessity that needs to be immediately carried out by the Majalengka Regency Government.

The alignment of the correlation matrix with two or more causal models that are being evaluated by researchers is tested using path analysis, an extended regression model. The results of data testing are presented in the form of images. The predicted regression weights in a model are compared with the observed correlation matrix for all variables and statistical concordance tests are also calculated. The results of the path analysis using the Amos Version 20.0 program can be seen in the following figure:



**Figure 2. Path Analysis Results**

Source: Research Data

Based on the picture 2, it can be seen the equation of path analysis as follows: Quality of service (Y1) = 0,158 organization ( $\square yX1$ ) + 0,377 interpretation ( $\square yX2$ ) + 0,332 implementation ( $\square yX3$ ) + 0,571 e1. The results of the analysis of the correlation coefficient between the independent variables (organization, interpretation and implementation) can be seen in the table as follows:

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**Table 2. Correlation Coefficient between Independent Variables**

	Estimate
Organization <--> Interpretation	0.166
Organization <--> Implementation	0.172
Interpretation <--> Implementation	0.456

**Source:** Processing AMOS Version 20.0

Based on table 2, the correlation coefficient can be analyzed as follows: 1) The value of the correlation coefficient between organizations and implementation with a coefficient value of 0.166. That is, the relationship that exists between the organization and interpretation is weak; 2) The value of the correlation coefficient between organizations and organizations with the implementation of the coefficient value is 0.172. That is, the relationship that exists between the organization and implementation is weak; 3) The value of the correlation coefficient between interpretation and implementation with a coefficient value of 0.456. That is, the relationship that exists between interpretation and implementation is moderate.

**Table 3. Path Coefficient between Independent and Dependent variables**

	Estimate
Service Quality <-- Organization	0.158
Service Quality <-- Interpretation	0.377
Service Quality <-- Implementation	0.332

**Source:** Processing AMOS Version 20.0

Based on the table 3, it can be analyzed that the highest path coefficient value is interpretation with service quality with a path coefficient value of 0.377, while the lowest path coefficient value is found in the organizational variable with service quality of 0.158. The results of direct and indirect analysis are described as follows: 1) Direct Influence. The direct influence of the organization on service quality is 0.158, so the direct influence is  $(0.158 \times 100\%) = 2.31\%$ . The direct influence of the interpretation variable on service quality is 0.377, so the percentage of direct influence is  $(0.377 \times 100\%) = 14.21\%$ . The direct effect of the implementation variable on service quality is 0.332, so the percentage of direct influence is  $(0.332 \times 100\%) = 11.022\%$ ; 2) Indirect Influence. The indirect effect of the organization on service quality through interpretation is  $(0.158 \times 0.166 \times 0.377 \times 100\%) = 0.98\%$ . The indirect effect of the interpretation variable on service quality through implementation is  $(0.377 \times 0.456 \times 0.332 \times 100\%) = 5.71\%$ . The indirect effect of the organization on service quality is  $0.172 \times 0.10\%$  (through implementation  $0.10\% \times 100\%$ ).

**Table 4. Influence of Organization, Interpretation and Implementation on Service Quality**

Variable	Direct Influence(1)	Indirect Effect Through (%)			Total (2+3+4) (5)	Total(1+5)
		Organization (2)	Interpretation(3)	Implementation(4)		
Organization	2.31	0.98	0.90	1.88	4.19	
Interpretation	14.2	0.98	5.71	6.69	20.90	
Implementation	11.0	0.90	5.71	6.61	17.63	
Total					42.72	
Epsilon (1)					57.28	

**Source:** Research Data

According to Table 4, the organization has a 4.19 % direct and indirect impact on service quality. Service quality is affected by interpretation in both direct and indirect ways by 20.90 %. Implementation affects service quality by 17.63% both directly and indirectly. The results of the analysis show that the influence of interpretation has the highest influence when compared to the organization and implementation. This means that the implementation of the policy is strongly influenced by the employees at the Dishubkominfo Service in providing meta data services to other RAOs in Majalengka Regency. The total simultaneous effect of organizational variables, interpretation and implementation simultaneously is 42.72%; and the remaining 57.28% is influenced by other factors outside the study. The partial effect of the organizational dimension (X1) on service quality (Y) needs to be tested statistically.

From table 4 it can be seen that the path coefficient value for the organizational dimension (X) on service quality (Y1) is 0.158 with a t-count value (CR) of 2.864 and the t-table value with  $dk = nk - 1$  ( $199 - 3 - 1$ ) = 1.961. and the p-value = 0.000. The

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results of the analysis showed that the value of  $t\text{-count} > t\text{-table}$  and  $p\text{-value} < 0.05$ , then hypothesis 1 which states that there is an influence of organizational dimension variables (X1) on service quality (Y).

The value of the path coefficient for interpretation (X2) of service quality (Y) is 0.377 with a  $t\text{-count}$  value (CR) of 6.179 and a  $t\text{-table}$  value with  $dk = nk - 1$  ( $199 - 3 - 1$ ) = 1961. and  $p\text{-value} = 0.000$ . The results of the analysis showed that the value of  $t\text{-count} > t\text{-table}$  and  $p\text{-value} < 0.05$ , then hypothesis 2 which states that there is an influence of the interpretation variable (X2) on service quality (Y) is acceptable.

The path coefficient value for implementation (X3) on service quality (Y) is 0.332 with a  $t\text{-count}$  (CR) value of 5.422 and the  $t\text{-table}$  value with  $dk = nk - 1$  ( $199 - 3 - 1$ ) = 1961. and  $p\text{-value} = 0.000$ . The results of the analysis showed that the value of  $t\text{-count} > t\text{-table}$  and  $p\text{-value} < 0.05$ , then hypothesis III which states that there is an effect of implementation (X3) on service quality (Y) is acceptable.

In testing hypothesis 4 used a significance level of 5% with degrees of freedom (dk) of ( $dk = k - 1$ ). So, the value of  $dk = n - k - 1$  ( $199 - 3 - 1$ ). so that the  $F\text{-table}$  value is 8,540. For the value of  $F\text{-count}$  can be seen in the following table:

**Table 5. F-count**

Model	Sum of Squares	df	Mean Square	F	Sig.
1 Regression	27.853	3	9.284	48.901	.000 <sup>b</sup>
Residual	37.022	195	.190		
Total	64.874	198			

Dependent Variable: Y

Predictors: (Constant), X3, X1, X2

Source: SPSS version. 20.0

From table 5 it can be seen that the path coefficient value for the organization (X1), interpretation (X2), and infrastructure management (X3) on teacher competence (Y1) of 0.6747 with an  $F\text{-count}$  value of 220,522 and an  $F\text{-table}$  value of  $F_{0.05, 3, 199} = 8,540$ . and  $p\text{-value} = 0.000$ . The results of the analysis showed that the  $F\text{-count} > F\text{-table}$  and the  $p\text{-value} < 0.05$ ; then hypothesis 4 which states that there is an organizational influence (X1), interpretation (X2), and the implementation (X3) of service quality (Y) is acceptable.

## 2. Discussion

Based on the results of hypothesis testing, it proves empirically that the implementation of policies developed from the theory of Charles O. Jones that policy implementation is principally related to organizational aspects, interpretation and application. Organization is concerned with the power of the legal basis or normative basis in implementing policies. Interpretation related to policy implementers in this case focuses on the quality of human resources that are relevant to the policy system made. Implementation relates to procedures or systems developed to support the implementation of policies effectively and efficiently. The results showed that the implementation of e-government-based policies from statistical tests had a positive and significant effect on public satisfaction. These results indicate that e-government-based services are considered better and have greater benefits when compared to manual services.

The greatest benefit felt by the community is that it is more effective and efficient. Empirically this research supports previous research conducted by Alkrajji (2020) that in his research it has proven empirically that the level of community satisfaction is determined by e- government. This is of course supported by the quality of service provided by the bureaucracy which is considered by the community to have conformity with the requirements/demands, the existence of a suitability for use, there are improvements or improvements to sustainability, free from damage, the fulfillment of customer needs from the beginning and at all times, doing everything with ease, right from the start, and is something that can make customers happy. Based on this theory, it can be seen that quality is compliance with regulations, which in providing services must be carried out in accordance with the requirements and regulations that have been stipulated in the legislation so that the needs of the community are met.

Several indicators that can be used to measure service quality are: 1) Direct Evidence, which includes physical facilities, supporting equipment and facilities. Physical facilities referred to here, include: a) office buildings and complete infrastructure; b) comfort and cleanliness of the service room. 2) Responsiveness, a characteristic of suitability in human service, namely the desire of the staff to help the community and provide services with responsiveness. The responsiveness of employees in providing services here can be seen from: a) employee responses to complaints; b) speed of employees in serving. 3) Reliability, namely the ability of officers to provide services quickly and satisfactorily, and have clear service standards. The reliability of employees can be seen from: a) the application of the accuracy of office working hours; b) the timeliness in the completion of services. 4) Assurance, which includes the ability, courtesy, and trustworthiness of the staff, free from danger, risk or doubt. The guarantee

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referred to here is in the form of: a) the legal basis for the service; b) the certainty of the cost of public services. 5) Empathy, which involves the simplicity of establishing effective communication partnerships and comprehending consumers' requirements without being prejudiced. Empathy in this case includes: a) friendliness of employees; b) non-discrimination. This is also supported by several previous studies conducted in organizational aspects have a positive impact on service quality (Adjei-Bamfo et al., 2019; Glyptis et al., 2020; Twizeyimana & Andersson, 2019).

Furthermore, organizational aspects such as organizational culture also have a positive impact on service quality which will have an impact on the satisfaction aspect of community assessments. Bureaucratic culture is a culture that organizes itself in ways that are hierarchical, impersonal, rational, juridical, legislative, and meritocratic. This kind of culture emphasizes that the hierarchical arrangement is a logical consequence if the bureaucracy wants rational work. The impersonal nature emphasizes that the way the bureaucracy works is not based on personal or political relationships. The juridical attitude of the legislature emphasizes that the culture adopted by the bureaucracy is a work culture that is always limited by legal provisions and not political provisions. Meanwhile, meritocracy requires recruitment methods and technical expertise, not patriarchy.

Organizational culture has characteristics to understand the existence of an organization's culture. Choi & Chandler (2020) mention several characteristics of organizational culture, namely: Individual initiative, namely the level of responsibility for freedom and dependence that individuals have, 1) Risk tolerance, which is how far the risk is allowed or may be borne by members; 2) Direction, which is to create an organization that is objective and looks as expected; 3) Integration, namely units that encourage harmony within the organization; 4) Management support, namely managers provide clear communication and encourage their subordinates; 5) Control, namely the rules used to regulate employee behaviour; 6) Identify, which is a way for members to identify themselves in the organization; 7) Performance-reward, namely the level of appreciation given by the organization to its members; 8) Conflict tolerance, namely the level of tolerance for conflicts that arise in the organization; 9) Communication pattern, namely the level of communication that is limited by the formal hierarchy of authority.

These results are supported by several previous studies, namely the research conducted that a good organizational culture in the bureaucracy will also have a good impact on service to the community (Ali et al., 2018; Rose et al., 2018; Santa et al., 2019). However, the realization of e-government development in Indonesia faces many challenges in terms of geography, economy, technology, politics, and culture. In the implementation process, several phenomena were found which indicate the implementation of e-government is still running slowly and is not significant with the large costs incurred by the State. Disparities between regions, and the existence of duplication of databases make government product data tend to be less trusted. Verkijika & De Wet (2018) in their research entitled Challenges and obstacles in implementing e-government in Africa; Lee-Geiller and Lee (2019) who conducted research in Brazil; and Nam (2018) who conducted research in various Southeast Asian countries concluded that the implementation of e-government in various developing countries is still half way, so it is necessary to refine the concept and strategy of implementing e-government.

E-Government is governance by prioritizing the use of technology and information in providing services to the public. The use of information technology in public services in addition to reducing information asymmetry (Lee et al., 2018), can also improve services to the public (Aritonang, 2017; Nam, 2018), thus having an impact on community satisfaction. The implementation of e-government can be realized through the carrying capacity of ownership of technology and information. In research Basyal et al. (2018) the components of the information system consist of hardware, software, brainware, procedures, databases and communication network technology. This component is a benchmark to determine the level of achievement of e-government implementation in the government environment.

The policy as described above is a product in the form of a rule set by the government as a guide or method in carrying out its duties and obligations. A good policy is a policy that is able to respond to changes that occur or issues that are still actual. The era of the industrial revolution 4.0 is a form of change, where technology and information factors become a necessity in various aspects including innovation in public services. Public service innovations in bureaucratic institutions are implemented through e-government that prioritizes aspects of technology and information. The use of this information technology is an innovation in providing services which is important in improving services to the public (Alanezi et al., 2012; Fan & Yang, 2015).

The popular policy implementation model explained by Edward III that in his view Edward III's policy model consists of four factors including communication, sources, disposition or attitude and bureaucratic structure. Van Meter and Horn's policy standards and objectives, resources, organizational and strengthening activities, traits of implementing agents, social, economic, and political circumstances, and disposition of implementers are all included in this well-known policy implementation model. Charles O. Jones popularized the policy implementation model which consists of three important main activities, including organization, interpretation and application. Observing the implementation model described above, broadly speaking, policy implementation can be interpreted as a process that requires measurable, planned and systematic action consisting of organization, interpretation and application.

Public service satisfaction is a form of response from the community to a service provided by the government. Community satisfaction can be realized if the services provided are in accordance with the service standards set or exceeding the established

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standards. Society in the current era demands a fast and effective service Utama (2020) because the implementation of public services is still not ideal. Building satisfaction in service citing the concept popularized by parasuraman about service quality which consists of physical aspects, responsiveness, reliability, insurance and empathy (Soni, 2015).

### CONCLUSIONS

The implementation of e-government policies has a strong enough foundation to be developed by the central government to local governments in providing electronic-based services. The results of the verification research have proven that empirically the implementation of e-government policies has a positive and significant effect on public service satisfaction. These results indicate that e-government services are considered better and have great benefits in improving services to the community. although the level of performance achievement is not fully in line with the target. This is because there are several aspects of its performance that has not been maximized. including the unintegrated entire service system between RAO and connection stability that has not been maximized. However. The e-government service system implemented in the Majalengka Regency government is a strategic transformation in facing even greater challenges in the future with a pattern of community change towards a more modern direction that wants more effective and efficient public services.

### REFERENCES

- 1) Adjei-Bamfo, P., Maloreh-Nyamekye, T., & Ahenkan, A. (2019). The role of e-government in sustainable public procurement in developing countries: A systematic literature review. *Resources, Conservation and Recycling*, 142, 189–203. <https://doi.org/10.1016/j.resconrec.2018.12.001>
- 2) Alanezi, M. A., Mahmood, A. K., & Basri, S. (2012). E-Government Service Quality: A Qualitative Evaluation in the Case of Saudi Arabia. *The Electronic Journal of Information Systems in Developing Countries*, 54(1), 1–20. <https://doi.org/10.1002/j.1681-4835.2012.tb00382.x>
- 3) Ali, K. E., Mazen, S. A., & Hassanein, E. E. (2018). A proposed hybrid model for adopting cloud computing in e-government. *Future Computing and Informatics Journal*, 3(2), 286–295. <https://doi.org/10.1016/j.fcij.2018.09.001>
- 4) Alkrajji, A. I. (2020). Citizen Satisfaction With Mandatory E-Government Services: A Conceptual Framework and an Empirical Validation. *IEEE Access*, 8, 117253–117265. <https://doi.org/10.1109/ACCESS.2020.3004541>
- 5) Almaiah, M. A., & Nasereddin, Y. (2020). Factors influencing the adoption of e-government services among Jordanian citizens. *Electronic Government, an International Journal*, 16(3), 236. <https://doi.org/10.1504/EG.2020.108453>
- 6) Aritonang, D. M. (2017). The Impact of E-Government System on Public Service Quality in Indonesia. *European Scientific Journal*, ESJ, 13(35), 99. <https://doi.org/10.19044/esj.2017.v13n35p99>
- 7) Ashaye, O. R., & Irani, Z. (2019). The role of stakeholders in the effective use of e-government resources in public services. *International Journal of Information Management*, 49, 253–270. <https://doi.org/10.1016/j.ijinfomgt.2019.05.016>
- 8) Barata, A. (2019). STRENGTHENING NATIONAL ECONOMIC GROWTH AND EQUITABLE INCOME THROUGH SHARIA DIGITAL ECONOMY IN INDONESIA. *Journal of Islamic Monetary Economics and Finance*, 5(1), 145–168. <https://doi.org/10.21098/jimf.v5i1.1053>
- 9) Basyal, D. K., Poudyal, N., & Seo, J.-W. (2018). Does E-government reduce corruption? Evidence from a heterogeneous panel data model. *Transforming Government: People, Process and Policy*, 12(2), 134–154. <https://doi.org/10.1108/TG-12-2017-0073>
- 10) Choi, T., & Chandler, S. M. (2020). Knowledge vacuum: An organizational learning dynamic of how e-government innovations fail. *Government Information Quarterly*, 37(1), 101416. <https://doi.org/10.1016/j.giq.2019.101416>
- 11) Darniyus, A. A., & Warsono, H. (2020). Collaboration between Universities and Governments In Realizing Quality Policies, (Evidence-Based Policy). *Journal of Governance and Public Policy*, 7(1), 17–28. <https://doi.org/10.18196/jgpp.71118>
- 12) Juara Lubis, A. S. (2021). Digital Inequality and Development: Using Short Message Service for Agricultural Development in Indonesia. *Journal of Hunan University Natural Sciences*, 48(10).
- 13) Ellitan, L. (2020). Competing in the Era of Industrial Revolution 4.0 and Society 5.0. *Jurnal Maksipreneur: Manajemen, Koperasi, Dan Entrepreneurship*, 10(1), 1. <https://doi.org/10.30588/jmp.v10i1.657>
- 14) Ellitan, L., & Anatan, L. (2020). Achieving business continuity in Industrial 4.0 and Society 5.0. *International Journal of Trend in Scientific Research and Development (IJTSRD)*, 4(2), 235–239.
- 15) Fan, J., & Yang, W. (2015). Study on e-government services quality: The integration of online and offline services. *Journal of Industrial Engineering and Management*, 8(3). <https://doi.org/10.3926/jiem.1405>
- 16) Fernandes, A. A. R., & Fresly, J. (2017). Modeling of role of public leader, open government information and public service performance in Indonesia. *Journal of Management Development*, 36(9), 1160–1169. <https://doi.org/10.1108/JMD-12-2016-0322>

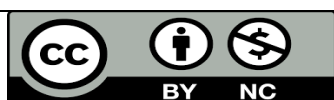


## Improvement of Public Service Satisfaction in the Majalengka Regency Local Government through the Implementation of E-Government-Based Policies

- 17) Glyptis, L., Christofi, M., Vrontis, D., Giudice, M. Del, Dimitriou, S., & Michael, P. (2020). E-Government implementation challenges in small countries: The project manager's perspective. *Technological Forecasting and Social Change*, 152, 119880. <https://doi.org/10.1016/j.techfore.2019.119880>
- 18) Haryanto, R., Manaf, A., & Priambudi, B. N. (2020). The level of community readiness in Semarang Regency for online single submission of building permits. *IOP Conference Series: Earth and Environmental Science*, 562(1), 012008. <https://doi.org/10.1088/1755-1315/562/1/012008>
- 19) Herlinawati, H., Sadli, M., Indragiri, S., & Dewi, S. R. I. (2022). Health Promotion Strategy with MHP (Mask-wearing, Hand-washing and Physical Distancing). *International Journal of Nursing Information*, 1(1), 18–23. <https://doi.org/10.58418/ijni.v1i1.12>
- 20) Kaya, T., Sağsan, M., Medeni, T., Medeni, T., & Yıldız, M. (2020). Qualitative analysis to determine decision-makers' attitudes towards e-government services in a De-Facto state. *Journal of Information, Communication and Ethics in Society*, 18(4), 609–629. <https://doi.org/10.1108/JICES-05-2019-0052>
- 21) Kuswati, Y. (2020). The Effect of Motivation on Employee Performance. *Budapest International Research and Critics Institute (BIRCI-Journal): Humanities and Social Sciences*, 3(2), 995–1002. <https://doi.org/10.33258/birci.v3i2.928>
- 22) Lee-Geiller, S., & Lee, T. (David). (2019). Using government websites to enhance democratic E-governance: A conceptual model for evaluation. *Government Information Quarterly*, 36(2), 208–225. <https://doi.org/10.1016/j.giq.2019.01.003>
- 23) Lee, K., Choi, S., Kim, J., & Jung, M. (2018). A Study on the Factors Affecting Decrease in the Government Corruption and Mediating Effects of the Development of ICT and E-Government—A Cross-Country Analysis. *Journal of Open Innovation: Technology, Market, and Complexity*, 4(3), 41. <https://doi.org/10.3390/joitmc4030041>
- 24) Li, A., Liu, Y., Zhu, X., Sun, X., Feng, X., Li, D., Zhang, J., Zhu, M., & Zhao, Z. (2019). Corrigendum to “Methylallyl sulfone attenuates inflammation, oxidative stress and lung injury induced by cigarette smoke extract in mice and RAW264.7 cells” *Int Immunopharmacol*, volume 59, 2018, 369–374. *International Immunopharmacology*, 72(March), 522. <https://doi.org/10.1016/j.intimp.2019.03.025>
- 25) Nam, T. (2018). Examining the anti-corruption effect of e-government and the moderating effect of national culture: A cross-country study. *Government Information Quarterly*, 35(2), 273–282. <https://doi.org/10.1016/j.giq.2018.01.005>
- 26) Nugraha, N. M., & Riyadhi, M. R. (2019). The effect of cash flows, company size, and profit on stock prices in SOE companies listed on Bei for the 2013-2017 period. *International Journal of Innovation Creativity and Change*, 6(7), 130–141.
- 27) Nurfikri, A., & Roselina, E. (2022). Evaluation of Referral Ratios in Facing Universal Health Coverage in Primary Healthcare Centers. *International Journal of Nursing Information*, 1(2), 1–6. <https://doi.org/10.58418/ijni.v1i2.26>
- 28) Nurmawan, N., Yusuf, D., Ratnasari, E., Fauzi, E. R., & NA, G. M. (2021). BUDAYA BIROKRASI PEMERINTAH DALAM PELAYANAN PUBLIK. *Jurnal Inovasi Penelitian*, 2(4), 1253–1260.
- 29) Pratiwi, D. A., & Sari, M. E. P. (2017). An analysis of good governance in the public service sector of Batam. *Journal of Techno-Social*, 9(1).
- 30) Prysmakova, P. (2021). Contact with citizens and job satisfaction: expanding person-environment models of public service motivation. *Public Management Review*, 23(9), 1339–1358. <https://doi.org/10.1080/14719037.2020.1751252>
- 31) Rose, J., Flak, L. S., & Sæbø, Ø. (2018). Stakeholder theory for the E-government context: Framing a value-oriented normative core. *Government Information Quarterly*, 35(3), 362–374. <https://doi.org/10.1016/j.giq.2018.06.005>
- 32) Rulandari, N., Natision, A., Esien, E. B., & Kesmawan, A. P. (2022). The Policy Implementation Of Social Ministry's Cash Assistance Program During The Covid-19 Pandemic In Jakarta. *Journal of Governance and Public Policy*, 9(1), Layouting. <https://doi.org/10.18196/jgpp.v9i1.13113>
- 33) Santa, R., MacDonald, J. B., & Ferrer, M. (2019). The role of trust in e-Government effectiveness, operational effectiveness and user satisfaction: Lessons from Saudi Arabia in e-G2B. *Government Information Quarterly*, 36(1), 39–50. <https://doi.org/10.1016/j.giq.2018.10.007>
- 34) Satispi, E., DyasTuti, R. W., Fathani, A. T., & Kaewhanam, P. (2021). Local Government Respond to COVID-19 Pandemics: A Study of South Tangerang City. *Journal of Governance and Public Policy*, 8(2), 82–92. <https://doi.org/10.18196/jgpp.v8i2.11439>
- 35) Singh, H., Grover, P., Kar, A. K., & Ilavarasan, P. V. (2020). Review of performance assessment frameworks of e-government projects. *Transforming Government: People, Process and Policy*, 14(1), 31–64. <https://doi.org/10.1108/TG-02-2019-0011>
- 36) Soni, S. S. (2015). Service quality satisfaction and brand equity: a case study of select South African universities.
- 37) Twizeyimana, J. D., & Andersson, A. (2019). The public value of E-Government – A literature review. *Government Information Quarterly*, 36(2), 167–178. <https://doi.org/10.1016/j.giq.2019.01.001>

## Improvement of Public Service Satisfaction in the Majalengka Regency Local Government through the Implementation of E-Government-Based Policies

- 38) Utama, A. . G. S. (2020). The implementation of e-government in indonesia. *International Journal of Research in Business and Social Science* (2147- 4478), 9(7), 190–196. <https://doi.org/10.20525/ijrbs.v9i7.929>
- 39) Verkijika, S. F., & De Wet, L. (2018). E-government adoption in sub-Saharan Africa. *Electronic Commerce Research and Applications*, 30, 83–93. <https://doi.org/10.1016/j.elerap.2018.05.012>
- 40) Viendyasari, M. (2020). The Application of Digital Administration to Minimize Maladministration in Public Services: A Case Study of Jakarta Investment and One Stop Service Department. *Proceedings of the 3rd International Conference on Vocational Higher Education (ICVHE 2018)*. <https://doi.org/10.2991/assehr.k.200331.133>



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