REPORT

FINANCIAL MANAGEMENT AND INFRASTRUCTURE

(Student Respondents)



UNIVERSITAS NEGERI SURABAYA

QUALITY ASSURANCE UNIT

DATA AND INFORMATION SYSTEM CENTER

2020

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Halaman Pengesahan

Menyatakan bahwa Laporan Kepuasan Mahasiswa Terhadap Pengelolaan Keuangan dan Sarana Prasarana Universitas Negeri Surabaya dibuat dengan sebenarnya

Surabaya, 29 Desember 2020

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CHAPTER I

INTRODUCTION

1.1. Background

The Center for Data Management and Information Systems is one of the centers in the Quality Assurance Sector in charge of assisting the implementation of quality assurance with the PPEPP model (Quality Planning, Quality Implementation, Quality Evaluation, Quality Control, Quality Improvement). One of the tasks of this center is to conduct a Customer Service Satisfaction Survey which is currently a need and demand for Study Program Accreditation and Higher Education Accreditation.

Some of the surveys carried out are satisfaction surveys on all activities carried out by BPM so that the quality of the implementation of activities is evaluated periodically. This survey was conducted online and was carried out after the activity ended. The results of this survey will be followed up with an evaluation meeting, the results of which will be used to improve services for further activities.

Along with the increasing need to improve the quality of service at Unesa, it is necessary to have a satisfaction survey for students, lecturers, and staff. It is necessary to know what variables must be improved and maintained in quality. Filling out the questionnaire consists of filling in the expectations and realities of the perceived service in 2020.

1.2. Problem

a. How are the results of the comparison between expectations and the reality of satisfaction with Unesa Financial Management and Infrastructure based on the 2020 Unesa student survey.
b. How is the comparative analysis between expectations and the reality of Unesa Financial Management and Infrastructure (Unesa Student Survey 2020) based on the Cartesian Diagram.

1.3. Objective

Analyse the satisfaction quality of Unesa Financial Management and Infrastructure (Unesa Student Survey 2020) based on the Cartesian Diagram.

1.4. Systematics of Report

The systematics in this report is the introduction which consists of the background, problems, objectives, and systematics of the report. Chapter II contains survey methods consisting of survey types and designs, variables, operational definitions, survey instruments, methods used, and data processing. Chapter III contains the results and discussion, and Chapter IV contains conclusions.

CHAPTER II

SURVEY METHOD

2.1. Types and Design of Survey Implementation

This type of survey design uses non-experimental quantitative research. Non-experimental research is research whose observations are carried out with a number of subject variables according to what they are (in nature), without manipulation (Pratiknya, 2001).

This study uses a cross sectional design which is used to study the relationship between the independent variable and the dependent variable by taking measurements at the same time (point time approach). The same time means that each subject is only observed once and the subject variable is observed at the time of observation. The method used in data collection is a questionnaire.

2.2. Operational definition

Some operational definitions are as follows:

a. a. Consumers are all students who use Unesa Financial Management and Infrastructure in 2020.
b. b. Consumer expectations are students who receive Unesa Financial Management and Infrastructure Services in 2020.
c. c. Consumer satisfaction is the consumer's acknowledgment regarding Unesa's Financial Management and Infrastructure in 2020.
d. The quality of service that will be examined is the expectations and reality of consumers on reliability, responsiveness, assurance (guarantee, empathy), and tangible.

2.3. Survey Instrument

The instrument used is a questionnaire. Questionnaires are used to collect data by providing written questions about consumer expectations and realities to be answered. The questionnaire instrument consists of 5 main aspects, namely reliability (reliability), responsiveness (responsiveness), assurance (guarantee), empathy (empathy), and tangible (tangibility).

2.4. Survey Method

The method used is the Service Quality Servqual Method (Parasuraman, et al, 1985), the dimensions of the service quality characteristics are:

1. Tangibles (Real) That includes physical appearance, equipment, employees, and means of communication.
2. Reliability, namely the ability to provide the promised service immediately, accurately, and satisfactorily.
3. Responsiveness, that is the desire of the staff to form customers and provide responsive service.

4. Assurance, ncludes the knowledge, ability, courtesy, and trustworthiness of the staff free from danger, risk or doubt.
5. Empathy, includes ease in making relationships, good communication, personal attention, and understanding customer needs.

If possible, the next step is to use the Importance Performance Analysis method which was first introduced by Martilia and James (1977) with the aim of measuring the relationship between consumer/customer perceptions and priorities for improving product/service quality, also known as Quadrant Analysis.

2.5. Data processing

- **Gab Analysis**

The level of customer satisfaction is explained by using gap analysis. This analysis compares the mean between expectations and the reality received by consumers from the service dimensions, namely reliability (reliability), responsiveness (responsiveness), assurance (guarantee, empathy), and tangible (tangible).

The highest satisfaction occurs when the reality exceeds expectations, namely when the service provided is maximum (4) while the minimum expectation is (1). The interval is obtained using the formula:

Interval= (Highest score – Lowest score)/Number of groups

From the above calculation, the gap classification is obtained in Table 2.1.

Table 2.1. Gap Classification

Interval	Classsification	Satisfication Level
-3 s.d. -1,5	Very negative	Very dissatisfied with expectations
-1,5 s.d. 0	Negative	Less satisfied than expectations
0 s.d. 1,5	Positive	More satisfied than expected
1,5 s.d. 3	Very positive	Very more satisfied than expectations

- **Data normality test**

  The normality test of the data was carried out by statistical analysis. This test is carried out by entering the average reality and expectations of each statement contained in the questionnaire. This test is conducted to determine whether the data used is normally distributed or not so that the next statistical test can be determined.

  The test used to determine whether the data is normally distributed or not is by using Kolmogorov-Smirnov for large samples (more than 50 respondents) or Shapiro-Wilk for small samples (less than 50 respondents). If the significance value is > 0.05 then the data is normally distributed (parametric data) and can be analyzed by paired t-test. If the significance value is <0.05, then the data is not normally distributed (non-parametric data) and can be analyzed using the Wilcoxon test.

- **Wilcoxon Test**

  This test is conducted to determine whether there is a significant difference or not from the reality and expectations studied so that it can be determined whether Ho is rejected or accepted. If the results obtained are significant differences then Ho is rejected but if the differences are not significant then Ho is accepted. The paired t-test was carried out if the two data being compared were normally distributed or the Wilcoxon test if at least one of the comparisons was not normally distributed, it could be from reality and expectations.

- **Cartesian diagram**

  The Cartesian diagram describes the level of statements into four parts where with this diagram can be determined several factors that affect customer satisfaction which can then be prioritized for the company to be further improved.

CHAPTER III

RESULTS AND DISCUSSION

3.1. Data Normality Test

Tests of Normality

	Kolmogorov-Smirnov[a]		
	Statistic	df	Sig.
Harapan	.353	24001	.000
Kenyataan	.312	24001	.000

a. Lilliefors Significance Correction

Figure 3.1. Data normality test results

Based on the results of the normality test using SPSS for windows 25, the results obtained a significance value of 0.000 <0.05 so that the data is declared not normally distributed.

3.2. Wilcoxon Test

Test Statistics[a]

	Kenyataan - Harapan
Z	-76.499[b]
Asymp. Sig. (2-tailed)	.000

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

Figure 3.2. Wilcoxon test results

Based on the results of the Wilcoxon test using SPSS for Windows 25, the Asymp results were obtained. Sig. (2-tailed) of 0.000 <0.05 so it can be stated that there is a significant difference between the expectations and the reality of student satisfaction with financial management and Unesa infrastructure.

3.3.Result of Calculation of Reality and Expectations

The results of the calculation of Reality, Expectations, Gap Analysis, and Quality of Satisfaction in Financial Management and Unesa Infrastructure in 2020 with student respondents are described in Table 3.1.

Table 3.1. The results of the calculation of Reality, Expectations, Gap Analysis, and Quality of Student Satisfaction on Financial Management and Unesa Infrastructure in 2020

Dimension	No	Statements	Realization	Expectation	GAP	Satisfaction Index (%)
Reliability	P1	Ease of information services for the scholarship application process and UKT submission/payment/lateness/reliability (reliability)	3,086	3,505	-0,42	88,04558
	P6	Maintenance and management of academic facilities and infrastructure (library, learning/laboratory/workshop/electrical installation/internet, etc.)	3,140	3,505	-0,37	89,57299
	Mean Re	(reliability)	3,113	3,505	-0,39	88,81
Responsiveness	P5	mean	3,103	3,493	-0,39	88,82876
	P10	Alertness in the scholarship application process and UKT application/payment/lateness/remission (responsiveness)	3,071	3,487	-0,42	88,06123
	Mean Res	Speed of follow-up on complaints (responsiveness)	3,087	3,490	-0,40	88,44
Assurance	P2	mean	3,079	3,502	-0,42	87,93067
	P7	Ease of the scholarship application process and UKT (assurance) application/payment/delay/delay	3,147	3,506	-0,36	89,7424
	Mean As	Completeness of library lecture infrastructure facilities (assurance)	3,113	3,504	-0,39	88,84
Empathy	P3	mean	3,116	3,495	-0,38	89,14844
	P8	Availability of time services for UKT borrowing/payment/lateness/relief (empathy)	3,147	3,497	-0,35	89,99361

Dimension	No	Statements	Realization	Expectation	GAP	Satisfaction Index (%)
	Mean Em	Excellent service in the process of borrowing/using infrastructure facilities in student activities (empathy)	3,131	3,496	-0,36	89,57
Tangible	P4	mean	3,139	3,505	-0,37	89,54989
	P9	Easy accessibility of UKT payments and scholarship receipts (Tangibles)	3,147	3,498	-0,35	89,9568
	Mean Tan	Availability of information systems that support academic and non-academic activities (Tangibles)	3,143	3,502	-0,36	89,75
	Mean	T	3,117	3,499	-0,38	89,08

Comparison Results Between Expectations and Reality

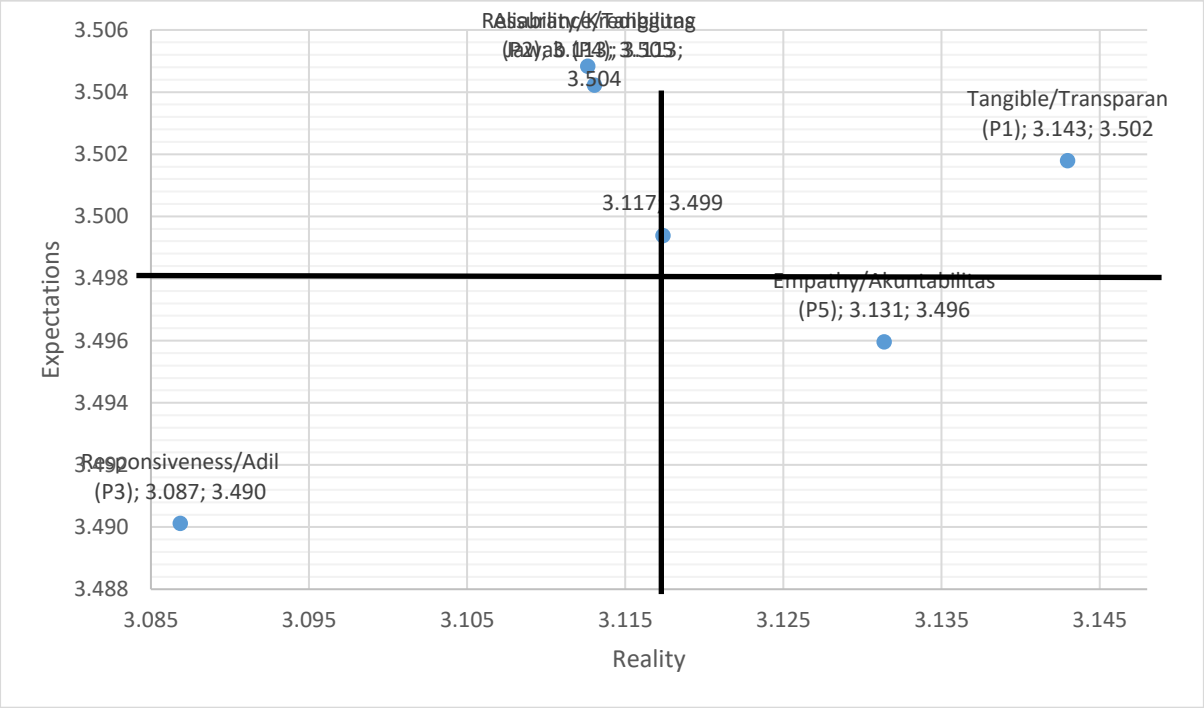


Figure 3.3. Cartesian Diagram Student Satisfaction Survey on Financial Management and Infrastructure in 2020



Figure 3.4. Cartesian Diagram (Supranto, 2001)

Information:

Quadrant I (Top Priority)

This quadrant shows the factors that are considered to affect customer satisfaction and include service elements that are considered very important for consumers. However, service providers have not implemented it in accordance with the wishes of consumers, causing disappointment/dissatisfaction. Variables in this quadrant need to be taken seriously.

Quadrant II (Maintain Achievement)

This quadrant shows the factors that are considered important by consumers have been implemented properly and can satisfy consumers, so the obligation of service providers must maintain their performance.

Quadrant III (Low priority)

This quadrant shows the factors that are considered less important by consumers and the implementation by service providers is mediocre. Variables included in this quadrant do not need to be questioned even though they do not satisfy consumers because consumers do not consider them very important

Quadrant IV (Excessive)

This quadrant shows the factors that are considered less important by consumers but have been carried out very well by service providers.

Analysis of each dimension

Reliability

Based on the results of the analysis of the reliability dimension, it is in quadrant I. This shows that the availability of services has not been implemented in accordance with the wishes of consumers, so the University must improve its services.

Tangible

The tangible dimension is in quadrant II. This shows that this dimension has been served very well, in accordance with the expectations of the respondents. This achievement must be maintained.

Assurance

The assurance dimension is in quadrant III. This shows that the service availability is well implemented.

Responsiveness

The responsiveness dimension is in quadrant I. This shows that the availability of services has not been implemented in accordance with the wishes of consumers, so the University must improve its services.

Empathy

The empathy dimension is in quadrant IV. This shows that this dimension has been well served and has been taken seriously by the University.

CHAPTER IV
CONCLUSION

Based on the results of the analysis, it can be concluded that the level of student satisfaction with the financial management and infrastructure of Unesa in 2020 is in the good category with a satisfaction index level of 89.08%.

Appendix

Satisfaction Instruments for Financial Management and Infrastructure (Criterion 5)

INSTRUCTION

Please fill in by putting a tick (√) on the "Expectation" and "Reality" in the field in real terms.

No	Statement	Expectation				Reality			
		Very Good	Good	Adequate	Deficient	Very Good	Good	Adequate	Deficient
1	Ease of information services for the scholarship application process and UKT submission/payment/lateness/reliability (reliability)								
2	Ease of the scholarship application process and UKT (assurance) application/payment/delay/delay								
3	Availability of time services for UKT borrowing/payment/lateness/relief (empathy)								
4	Easy accessibility of UKT payments and scholarship receipts (Tangibles)								
5	Alertness in the scholarship application process and UKT application/payment/lateness/remission (responsiveness)								
6	Maintenance and management of academic facilities and infrastructure (library, learning/laboratory/workshop/electrical installation/internet, etc.) (reliability)								
7	Completeness of library lecture								

No	Statement	Expectation				Reality			
		Very Good	Good	Adequate	Deficient	Very Good	Good	Adequate	Deficient
	infrastructure facilities (assurance)								
8	Excellent service in the process of borrowing/using infrastructure facilities in student activities (empathy)								
9	Availability of information systems that support academic and non-academic activities (Tangibles)								