



Implementation of SIMLPPM on the Performance Achievement of LPPM University of Surabaya State

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Abstract. The Institute for Research and Community Service at University of Surabaya State (LPPM Unesa) has 5 tasks and functions, one of which is to carry out the management and development of research and community service in accordance with the policy directions of the Chancellor of Unesa. This study focuses on the implementation of the Research and Community Service Information System (SIMLPPM) at UNESA and its impact on LPPM performance achievement. The main objective is to analyze how the implementation of SIMLPPM affects the administrative efficiency of research activities and community engagement and the overall impact on LPPM performance achievement. Quantitative research methods with data was collected through questionnaires which were distributed to lecturers and staff of LPPM, as well as through document analysis. The research uses the data analysis model of Miles and Huberman which includes data collection, data reduction, data presentation, and drawing conclusions. The findings reveal a high level of awareness and utilization of SIMLPPM among respondents, with 100% indicating knowledge and use of the system. SIMLPPM implementation is considered positive, contributing to efficient administrative processes in research and community involvement. The majority of respondents acknowledged its effectiveness in providing fast and accurate access to required information, increasing overall efficiency and facilitating administrative tasks. In addition, this study shows that there is a significant positive relationship between the importance of SIMLPPM and the effectiveness and efficiency of LPPM performance, especially in research services and community service. This relationship is linked to the system's ability to enhance collaboration, monitoring, and evaluation during the research and engagement process. While most of the respondents considered the implementation of SIMLPPM successful, there were some areas identified for potential improvement, such as team collaboration and database management.

Keywords: Simlppm, Implementation, Service, Management, Performance.

1 Introduction

In the globalization eras and the rapid development of information technology, data and information management has an important role in supporting various aspects of life, one of which is in the world of higher education, namely universities. Universities as the centre of education and knowledge must be able to adopt increasingly sophisticated information technology to ensure efficiency, effectiveness and transparency in carrying

out their various activities, one of which is data and information processing. This includes research and community service which is one of the Three Pillars of Higher Education.

In implementing research services, it is necessary to realize the importance of the existence of an information system that can support services in research and service to LPPM Unesa. One of them is to help manage the results database. With an online-based research proposal management information system, it will certainly make it easier for LPPM to monitor the entire proposal both in terms of quantity, activity progress and final research results. This is what makes the emergence of various information systems in universities. One of them is the Information System for Research and Community Service Institute (SIMLPPM) at University of Surabaya State which is an information system as a forum for processing research and service data at University of Surabaya State and directly becomes a tool that helps LPPM improve institutional performance achievements, especially in services in the scope of research and community service.

UNESA as one of the higher education institutions in Indonesia has a strong commitment to developing research and community service as an integral part of the university's mission. In an effort to increase the effectiveness and efficiency of research and community service management, UNESA adopted and implemented SIMLPPM. This system is designed to facilitate the process of collecting, processing, and reporting data related to research and community service activities within the university.

The application of SIMLPPM at UNESA is expected to have a positive impact on the performance achievements of the Research and Community Service Institute. With the adoption of the right information technology, it is expected that administrative processes related to research and community service can run more smoothly and transparently. In this research article, we will analyze how the implementation of SIMLPPM at UNESA affects the performance of the institution.

Some of the main objectives of this research are as follows:

- 1) Analyze the implementation of SIMLPPM in increasing administrative efficiency in managing research data and community service at UNESA.
- 2) Analyze the impact of SIMLPPM implementation on the performance achievements of LPPM UNESA.

Through a quantitative research approach, this article will present an analysis of the implementation of SIMLPPM at UNESA and its impact on institutional performance. Data will be collected through distributing questionnaires and analysis of related documents. The results of this research are expected to provide valuable insights in an effort to improve services for research and community service at UNESA through the use of information technology.

In this research article, we will discuss the analysis of the findings and the implications of the research results for the further development of SIMLPPM in the university environment. Thus, this article aims to provide a comprehensive view of the importance of implementing information systems in supporting the performance of Research and Community Service Institutes in this digital era.

2 METHOD

The research data is primary data and secondary data. Primary data is a questionnaire that is distributed to lecturers as users in conducting research and community service, as well as SIMLPPM management staff as research and community service data processors. Secondary data are related documents to support analysis. SIMLPPM Implementation of Performance Achievements of LPPM Unesa was compiled using the data analysis technique of Miles and Huberman's model (in Sugoyono, 2012) consisting of data collection, data reduction, data presentation, and drawing conclusions. The subject of this study was determined using a purposive sampling technique on the basis of suitability and involvement in the research focus raised. The secondary data collected is the university strategic plan, LPPM strategic plan, LPPM Unesa work program, LPPM Unesa performance target and the latest LPPM Unesa performance report which is then compared to the results of questionnaires or primary data. The results of the analysis will show how SIMLPPM implementation looks like on institutional performance outcomes.

Primary data collection was carried out by distributing questionnaires which had been filled in by 37 respondents from both lecturers and LPPM staff who focused on whether the respondents knew what SIMLPPM was, the benefits or functions of SIMLPPM, and how the level of technology mastery of the respondents was regarding the use of SIMLPPM

2.1 Implementation of SIMLPPM Unesa

The measurement of SIMLPPM implementation begins by looking at the extent of the user's knowledge of SIMLPPM. Based on the distributed questionnaire, a matrix table can be made as follows.

Table 1. Knowledge, use, implementation, and understanding of SIMLPPM.

Question	Yes	No
Knowledge about SIMLPPM	100%	0%
Uses of SIMLPPM	100%	0%
Knowledge of how to uses SIMLPPM	97.2%	2.8%
Understanding the function of SIMLPPM wich facilitate of the administrative process.	81%	19%
SIMLPPM Implementation Success rate.	91.9%	8.1%

Regarding the respondent's knowledge in SIMLPPM, it shows 100% results, which means that each respondent already knows what SIMLPPM is as well as using SIMLPPM where the results also show that 37 respondents use SIMLPPM either as a researcher, service provider, or system manager. This shows that overall SIMLPPM is known by the academic community. This is a good start to find out about the implementation of SIMLPPM because the academic community is considered to know what SIMLPPM is.

Efforts to ease access to using SIMLPPM are considered good and need to be constantly reviewed and improved based on the results of respondents' answers

regarding the level of knowledge on how to use SIMLPPM. Respondents agreed that as many as 36 respondents or 97.2% answered knowing how to use SIMLPPM services in their research and service administration activities.

Further measurements were carried out on respondents regarding their understanding of one of the SIMLPPM functions which is expected to facilitate their administrative process by asking their views on the use of SIMLPPM itself. The level of understanding of respondents was measured by asking whether they could access and edit files on SIMLPPM, whether they could see their previous year's research or service history through SIMLPPM, and whether they outlined the importance of using SIMLPPM services for ease of research and service administration.

The results showed that 30 respondents or 81% understood the SIMLPPM function as administrative convenience and 7 respondents or 19% did not understand the SIMLPPM function as administrative convenience. These results have been expected and are comparable to the number of respondents who know how to use SIMLPPM. Shows that the knowledge of using SIMLPPM is more or less the same as the number of respondents who understand the SIMLPPM administrative convenience function. Then as many as 34 respondents or 91.9% considered the implementation of the SIMLPPM service successful by answering that SIMLPPM was very helpful in administrative processes, efficient and easy to use, providing fast and accurate access to the information needed, and easy accessibility. Meanwhile, as many as 3 respondents or 8.1% thought otherwise, especially in their answers to the notion that SIMLPPM implementation so far had not increased collaboration and communication between members of the research team, helped manage databases, or identified research outputs and services.

2.2 LPPM Performance Achievement

The measurement of SIMLPPM implementation begins by looking at the extent of the user's knowledge of SIMLPPM. Based on the distributed questionnaire, a matrix table can be made as follows.

Table 2. Responses to LPPM Performance Achievements.

Question	Yes	No
LPPM Performance Achievement with SIMLPPM	96.2%	3.8%
Achievement of LPPM Productivity Level with SIMLPPM	87.3%	12.7%

Based on table 2 above, it shows that each question variable produces a positive value where respondents agree that with SIMLPPM, LPPM can achieve performance targets set by the leadership and can achieve high levels of productivity in research service activities and community service. This is evidenced by the results of each absolute answer above 85% of all. The binder variable used is the level of effectiveness and efficiency of the SIMLPPM service.

3 Results

3.1 Implementation of SIMLPPM Unesa.

Based on the data in the previous point, it can be concluded that the relationship between the level of knowledge of SIMLPPM and the level of use of SIMLPPM is the same. This shows that the implementation of SIMLPPM has been seen evenly with every research and service administration activity using the SIMLPPM web. The results of the respondents' answers also show that most of the academic community feel that the success of SIMLPPM implementation lies in the administration process, is efficient and easy to use, provides fast and accurate access to the information needed, and ease of accessibility.

3.2 LPPM Performance Achievements.

After we know about the implementation of SIMLPPM, another factor that needs to be studied is how this implementation affects the performance of LPPM. The results show that with SIMLPPM in addition to achieving performance targets achieved and high productivity in research and community service activities, but also with this SIMLPPM, LPPM has a good reputation for the quality of its services because it is considered effective in utilizing existing resources to achieve the desired goals and results.

3.3 The Relationship between SIMLPPM Implementation and LPPM Performance Achievements.

The results of the questionnaire show that there is a significant positive relationship to the importance of SIMLPPM with the level of effectiveness and efficiency of LPPM performance achievements, especially in research services and community service. The new relationship that has emerged is that by increasing the quality of SIMLPPM it will improve research and service services with the ease of monitoring the entire recap of research and community service journals starting from forming teams, submitting proposals, evaluation desks, progress reports, monitoring and evaluation, final reports, to outputs. external. Implementation of the use of SIMLPPM services positively will be obtained when the management of SIMLPPM services is positive, improving the management of SIMLPPM services is carried out by improving services.

SIMLPPM is also considered to have a positive impact on LPPM's performance and productivity. The implementation of SIMLPPM was recognized by the majority of respondents as a successful effort in increasing the effectiveness and efficiency of services, although there are still some aspects that need to be improved, such as research team collaboration and database management.

Overall, the implementation of SIMLPPM at Unesa has provided benefits in increasing administrative efficiency, performance and productivity of LPPM, but several aspects need further attention to achieve a better level of collaboration and more effective database management.

With the existence of this SIMLPPM service, it helps LPPM in realizing performance achievements, especially in the management of research and service proposal data for UNESA lecturers so that the implementation of management and

development of research and community service is in accordance with the policy directions of the Rector of Unesa which is one of the TUSI (main tasks and functions) of LPPM can be realized so that services can be sustainable.

4 Conclusion

The implementation of SIMLPPM provides benefits in increasing administrative efficiency, performance and productivity of LPPM Unesa. The focus on managing research and community service proposal data through SIMLPPM assists LPPM in achieving the main tasks and functions set by the Unesa Chancellor's policy. The application of SIMLPPM services helps maintain service continuity and contributes to the development of research and community service.

Thus, the implementation of SIMLPPM at Unesa has had a positive impact in increasing the quality, effectiveness and efficiency of research and service services, as well as providing the potential to continue to develop and improve collaboration and data management in the future. SIMLPPM can facilitate research and community service services. Administration regarding research data databases and community service is centralized at one door so that monitoring and evaluation of the work of both researchers and managers can be carried out. Implementation of the website in the context of evaluating and improving service quality will always be carried out to meet users so as to facilitate access to research data needs and community service.

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