



Analysis of Sports Education and Training Centers for Students: Management System

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Received: xx Month 2023, Approved: xx Month 2023, Published: xx Month 2023

Abstract

Study purpose. of the study is to provide a breeding ground for student athletes. This institution not only provides institutional facilities, but also implements a management system that covers aspects of strategic planning, resource organization, implementation of institutional programs, as well as periodic monitoring and evaluation. The purpose of this study is to analyze the management system of sports education and training center for students (BPPLOP) Central Java, based on direct experience in the field and an in-depth scientific approach.

Materials and methods the type of research used in this study is qualitative research. The population in this study includes all individuals directly involved in the management and coaching of student athletes at BPPLOP Central Java. In this study, the instruments used include questionnaires, observation sheets, and documentation. The data analysis technique in this study used a quantitative descriptive approach with the help of a Likert scale.

Results In terms of planning, sport education and training center for students Central Java obtained an average score of 79%, while organizing received the highest score of 80%. In terms of execution, the average score was 76%, and in terms of control, the average score was 78%.

Conclusion This study found that Central Java BPPLOP management system has been implemented well based on the data results show that 70% of the population in BPPLOP agree with the statements from the questionnaire in the new findings. Future study is expected to analyze and evaluate the programs that have been carried out over the past five years and the advantages of the programs that have been carried out.

Keywords: BPPLOP, Management, Athletes, Sports

DOI: <https://doi.org/10.52188/ijpess.v5i4.1557>

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Introduction

Student Sports Education and Training Center and is a forum for nurturing student athletes, which was established in 1984 by the Directorate of Sports, Ministry of Education and Culture. With four sports branches, such as: Athletics, Badminton, Soccer, and Boxing, spread across 8 provinces in Indonesia, and then in 1995 expanded to 16 provinces with the addition

of 3 sports branches, namely Sepak Takraw, Rowing, and Archery. The history of PPLP's achievements has successfully contributed a number of national junior athletes and PPLP alumni in several sports to represent Indonesia in regional and international arenas. Sports training at the student age is an important foundation in creating a generation of athletes who will develop and achieve in the future. The success of an athlete is not only determined by physical ability and technical skills, but is also greatly influenced by the training system implemented from an early age. Integrated management systems enhance coordination, accountability, and decision-making processes in sport organizations, supporting sustainable development and organizational performance (Dowling, Edwards, & Washington, 2020).

The Central Java sport education and training center for students (BPPLOP), located in the city of Semarang, is one of the training centers that applies a modern management approach in its operational activities. This institution not only provides institutional facilities, but also implements a management system that covers aspects of strategic planning, resource organization, implementation of institutional programs, as well as periodic monitoring and evaluation. Management implementation in this institution is not without challenges, such as budget constraints, the need for institutional trainers, and the dynamics of coordination between internal and external parties. In addition, maintaining a balance between academic demands and institutional intensity is also an issue that requires appropriate managerial solutions. Therefore, it is important to conduct an in-depth analysis of the management system implemented at sport education and training center for students Semarang to determine the extent to which the system is running effectively and efficiently, as well as to identify areas that need improvement to enhance the overall quality of coaching. Performance management systems are essential in sports organizations to align strategic planning, operational execution, and evaluation processes in achieving organizational effectiveness (Winand, Zintz, Bayle, & Robinson, 2019).

One of the concerns is the effectiveness of the management system at sport education and training center for students in supporting the tasks and functions of each division. In the Administration Division, the author observed that several administrative processes, such as document filing, correspondence management, and activity scheduling, are still carried out manually or using simple applications that are not integrated with each other. This results in slow information distribution and limited access to data in a timely and accurate manner. Meanwhile, in the foster care section, the management of human resources such as trainers, staff, and coaches is not yet fully supported by an adequate management information system. Employee performance appraisals, activity reports, and activity documentation are still carried out separately by each section. As a result, the performance evaluation process is less systematic and often takes longer. A sports management system integrates planning, organizing, actuating, and controlling functions to ensure effective implementation of sports programs and sustainable athlete development (Molanu, Setyawati, & Soenyoto, 2024).

In the athlete development and athlete data collection section, the existing management system is not yet fully capable of supporting the continuous monitoring of athlete development. Athlete data, ranging from biographies, institutional schedules, physical test results, institutional records, to achievements, is still scattered across various forms of files and manual documents. The absence of a centralized database system makes it difficult to access the necessary information quickly and comprehensively. In fact, in the athlete development process, data is an important basis for institutional strategy, development evaluation, and competition planning. Therefore, the purpose of this study is to analyze the management system of sports education and training centers in Central Java. The author hopes that the results of this study can be a reference for the sport education and training center for students' management in developing a more effective and results-oriented system (athlete performance). In addition,

this study is also expected to provide added value to academic studies in the field of sports management, particularly in the context of student training institutions at the regional level. Comparison with previous research ([Andhika Yahya Putra, Siswandari, 2018](#)) Analysis of the Management of Student Sports Education and Training Centers (PPLOP) Central Java Sepak Takraw in 2017 (A Descriptive Study of Organizational Structure, Recruitment, Facilities and Infrastructure, Funding, and Training) is newer research data and in this study there are more samples because there are 25 sports branches in the Central Java student sports education and training center and in this study 5 sports branches were taken, which represents 20 percent of the 100 percent total sports branches in the Central Java student sports education and training center.

Materials and Methods

Study participants

This study using qualitative research which is the researcher wanted to understand the management process at sport education and training center for students in depth, particularly how interactions between work units, trainers, and students take place in daily practice. The qualitative approach became the main basis in this study because it was able to describe the complex and dynamic managerial reality in the student sports institution environment.

The research was conducted at the Central Java Student Sports Education and Training Center as the research location. This choice was based on the consideration that sport education and training center for students is an institution that actively carries out the function of coaching and developing student-age athletes in a structured and sustainable manner. This location was considered the most appropriate for obtaining comprehensive data in line with the research focus, namely the Central Java Sports Education and Training Center located in the Jatidiri area, Semarang City, Central Java, Indonesia. The population in this study includes all individuals directly involved in the management and coaching of student sports at the Central Java sport education and training center for students. This population consists of program implementers, administrators, and technical support staff who play an active role in the institution's operations. The research sample was taken from four main groups of respondents directly involved in the management system of sport education and training center for students Central Java, namely management staff, coaches, athletes, and athletes' parents. The sampling technique used was purposive sampling. ([Robbins, S.P. and Coulter 2020](#)) in their book Management (13th edition), a management system consists of four main functions, namely Planning, Organizing, Leading, and Controlling. These four functions are at the core of the management process in various organizations, including sports institutions such as sport education and training center for students that need to be analyzed and know in detail the information available in [Table 1](#).

Table 1. Management Function of Sports Education and Training Center for Students

Management Functions	Indicators	Explanation and Sources
Planning	<ul style="list-style-type: none"> - Annual work plan - Setting training objectives - Developing training strategies 	Planning is the process of setting organizational goals and determining the best way to achieve them. At sport education and training center for students, this includes planning training, schedules, and targets for improving athlete performance. (Robbins, S.P. and Coulter 2020).
Organizing	<ul style="list-style-type: none"> - Organizational structure 	Organizing involves establishing a work structure that facilitates the achievement of goals. In sports organizations, it is important to have a clear

	<ul style="list-style-type: none"> - Division of roles and responsibilities - Coordination flow between units 	organization between coaches, administrators, and support teams (Robbins, S.P. and Coulter 2020).
Leading	<ul style="list-style-type: none"> - Guidance and motivation from the coach - Internal communication - Decision-making during training 	Leadership focuses on motivating members of the organization, directing activities, and resolving conflicts. In the context of sport education and training center for students, this is directly related to coaching style and athlete spirit (Robbins, S.P. and Coulter 2020).
Controlling	<ul style="list-style-type: none"> - Evaluation of training programs - Monitoring athlete attendance - Follow-up on evaluation results 	Controlling involves monitoring performance and the implementation of standards. Regular monitoring of the sport education and training center for student's program ensures that it is being implemented in accordance with its objectives (Robbins, S.P. and Coulter 2020).

The management of sport education and training center for students as an institution for training student athletes is assessed based on the extent to which its programs are effective, structured, and sustainable in accordance with the management principles applied in [Table 2](#).

Table 2. Management Aspect of Sports Education and Training Centers for Students

Management Aspects	Indicator	Explanation and Sources
Effectiveness of Exercise	<ul style="list-style-type: none"> - Improved athletic performance - Adherence to schedules - Tailored training programs 	Effectiveness is achieved when the results of a program are in line with its planned objectives. This is closely related to how planning and monitoring are carried out (Robbins, S.P. and Coulter, 2020).
Service Quality	<ul style="list-style-type: none"> - Adequate facilities - Nutritional and health support - Educational services for athletes 	Good organization enables comprehensive services for athletes, not only in training, but also in character building and education. (Robbins, S.P. and Coulter, 2020)
Coach and Staff Performance	<ul style="list-style-type: none"> - Competence and certification - Discipline in tasks - Positive relationships with athletes 	The leadership of coaches and staff plays an important role in coaching. Inspirational leadership boosts athletes' morale (Robbins, S.P. and Coulter, 2020).
Program Sustainability	<ul style="list-style-type: none"> - Continuous evaluation - Budget support - Inter-agency cooperation 	Continuous monitoring and evaluation are key to program sustainability. Management must be able to adjust strategies based on evaluation results (Robbins, S.P. and Coulter, 2020).

Study organization

In this study, the instruments used included questionnaires, observation sheets, and documentation. The questionnaire was developed in the form of a Google Form to facilitate

distribution to respondents, consisting of coaches, athletes, and athletes' parents. The questions in the questionnaire covered several indicators, including management programs, vision and mission, management objectives, administration, coaching, athletes, guidance and care, facilities and infrastructure, inter-party relations, budget plan and finance, sport education and training center for students' services, the role of parents, and the centralization of education and sports. Observation instruments were used to directly observe the management process, training activities, administration, and facilities and infrastructure at the Central Java sport education and training center for students, which included indicators of the suitability of program implementation with the plan, the involvement of coaches, staff, and athletes in daily activities, the condition of training facilities and infrastructure as well as dormitories, patterns of interaction between management, coaches, athletes, and parents, and the implementation of administration and institutional services (Nadya Dwi Oktafiranda 2022). Documentation was used as a complementary instrument by collecting data in the form of documents, archives, and photos of relevant activities. The documentation method was important because it could strengthen the research results from written and visual sources (Sugiyono 2019).

Statistical analysis

The data analysis technique in this study uses a quantitative descriptive approach with the help of a Likert scale (Case 2017) The analysis was conducted to determine the extent to which the 2024 Central Java sport education and training center for students' management system is running in accordance with the indicators studied. In this study, the data obtained from the questionnaire will first undergo editing, coding, scoring, and tabulation processes. Editing is done to check the completeness of the respondents' answers. Coding is the assignment of codes to each question item to facilitate the processing. Scoring is done by assigning a score to each answer alternative using a 5-point Likert scale. After that, the data is arranged into tables to facilitate analysis, then calculated using the maximum score and finding the average score, which will be converted into a percentage.

Data obtained through observation and documentation were analyzed using descriptive qualitative methods. The data collected from observations and documents were described and then compared with the questionnaire results to reinforce the research findings. The analysis was conducted using a data reduction, data presentation, and conclusion drawing model (Elliott 2018) To improve accuracy, the results of the questionnaire, observation, and documentation analyses were triangulated. This technique aims to complement the data obtained to provide a more comprehensive picture of the sport education and training center for student's management system in Central Java in 2024.

Results

This study aims to analyze the sport education and training center for students' management system in 2024. This analysis was conducted using Google Forms software <https://forms.gle/nrH9qMTjr44gALLS8> for staff management and for athlete <https://forms.gle/Srjc7h8VXa313uxg9> to distribute questionnaires that could collect data from samples and analyze it using Excel software to process data from questionnaire respondents. Documentation data was obtained from files and photos taken from smartphones and existing file archives in management. With this analytical approach, it is hoped that the results of this study can provide recommendations for effective and efficient management system analysis techniques in [figure 1](#).

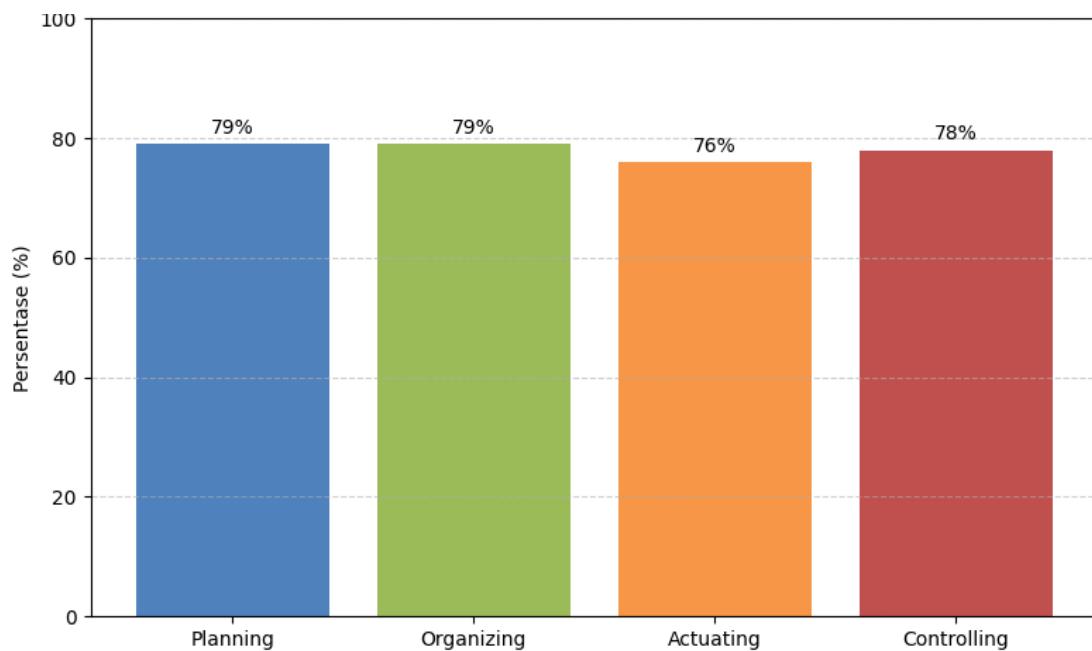


Figure 1. Diagram POAC

POAC (Planning, Organizing, Actuating, Controlling) is the basic framework of management functions that play an important role in managing organizations effectively. In the context of sports institutions such as BPPLOP, the application of POAC is a reference in the preparation of targeted and sustainable student athlete development programs. Each management function is interrelated to ensure that activities run according to their objectives, from program planning to evaluation of their implementation. Careful planning will determine the direction of the organization's activities, while organizing ensures that the division of tasks runs in a structured manner (Santoso & Rahayu, 2025).

The implementation function plays a role in mobilizing all elements to work according to plan, and supervision becomes a tool for assessing program effectiveness and making improvements when necessary. With consistent application of POAC, the sport education and training center for students management system can run more optimally and support the improvement of student athletes' performance. The achievements of developing and advancing athletes can be assessed through collaboration between sports management that is inseparable from the context of the sport itself, namely competitive sports (Prakoso & Setyawan, 2025).

Effective management of organizational resources significantly influences performance outcomes and long-term sustainability of sports organizations (Hariyanto, Soedjatmiko, & Nasuka, 2023).

Table 3. Data of Management system analysis

No	Questions	5	4	3	2	1	Score	%
1	The management program at sport education and training center for students is structured and well-planned.	13	45	11	0	0	278	81%
2	The management program is evaluated regularly.	8	48	13	0	0	271	79%
3	The management program is tailored to the needs of athletes and coaches.	7	44	16	0	0	265	77%

4	The vision and mission of sport education and training center for students are easily understood by all relevant parties.	9	43	18	1	0	267	77%
5	The mission of sport education and training center for students is implemented in all daily activities.	7	51	11	0	0	272	79%
6	The vision and mission of sport education and training center for students are in line with the objectives of developing student athletic achievement.	10	51	8	0	0	278	81%
7	The management objectives of sport education and training center for students are clear and easy to understand.	7	49	13	0	0	270	78%
8	The management objectives support the achievement of athletes.	14	44	11	0	0	279	81%
9	The management objectives are well communicated to coaches, athletes, and staff.	12	43	14	0	0	274	79%
Average Percentage								79%

Based on the results of the data [table 3](#), the percentage of several questions that were grouped together and became one group had the highest score of 81% and the lowest of 77%. The average percentage score is 79%. These results indicate that the program planning in the Central Java sport education and training center for students' management system for 2024 can be categorized as running well and appropriately. The evaluation score is 21%, indicating that there must be evaluation and improvement to enhance program planning in the Central Java sport education and training center for students' management system for 2024. Supervision of facilities and infrastructure has been

Vision and mission play an important role in sports management as strategic guidelines for achieving long-term goals. Vision shows the direction and ideals of the organization, while mission sets out the operational steps to achieve them. With a clear vision and mission, all members of the organization, including managers, coaches, and athletes, can work in a focused and coordinated manner.

Sports management also involves developing strategies to meet the needs of fans, athletes, and organizations, as well as managing the necessary resources. Consistent implementation of the vision and mission helps improve management effectiveness, ensures that every activity runs according to its objectives, and opens up career opportunities for prospective sports managers ([Acar 2023](#)). Sports event management requires coordinated planning, implementation, and supervision to ensure program effectiveness and stakeholder satisfaction ([Hendrawan et al., 2022](#)).

Table 4. Results of Questionnaire data

No	Questions	5	4	3	2	1	Score	%
1	sport education and training center for students' administration runs effectively and orderly.	8	3	2	2	1	257	74%
2	Administrative documents are always available and easily accessible.	9	4	1	0	0	269	78%
3	Administrative services support the smooth running of training and education activities.	6	5	1	0	0	269	78%

4	Coaches are actively involved in planning training programs.	2 0	4 2	7 0	0 0	289	84
5	Coaches provide clear and easy-to-understand instructions to athletes.	2 0	4 7	2 5	0 1	294	85
6	Training evaluations are conducted consistently by coaches.	1 8	4 5	6 5	0 0	288	83
7	Athletes can express their opinions about the training program.	1 6	3 7	1 5	1 0	275	80
8	Athletes play an active role in supporting the success of the sport education and training center for students' program.	1 9	4 5	5 5	0 0	290	84
9	Athletes receive appropriate attention in terms of physical and mental aspects.	1 4	4 3	1 2	0 0	278	81
10	Athlete development is carried out continuously.	8 6	4 5	1 5	0 0	269	78
11	Athlete care in the dormitory pays attention to their basic needs.	9 1	4 7	1 1	1 0	263	76
12	The care staff is able to provide moral support to athletes.	8 4	4 6	1 1	1 0	266	77

Based on the results of the data [table 4](#), the percentage of several questions that were grouped together and became one group had the highest score of 85% and the lowest of 74%. The average percentage score was 79%. These results show that the organizational system within the 2024 Central Java BPLOP management system can be categorized as running well and appropriately. The evaluation score was 21%, indicating that there must be evaluation and improvement to enhance the organizational system within the 2024 Central Java sport education and training center for students' management system. Evaluation is an important aspect of management that aims to assess the extent to which objectives have been achieved, measure the direct impact on target groups, and identify and analyze other impacts that may arise beyond social issues (Putra & Soegiyanto, 2024). Leadership and governance are critical components of modern sports management systems, shaping strategic direction and organizational effectiveness (Ardiyanto, Irawan, & Chuang, 2021).

Table 5. Analysis of questionnaire data results facilities

No	Questions	5	4	3	2	1	Score	%
1	Training facilities (fields, equipment) are adequate for the athletes' needs.	11	31	23	4	0	256	74%
2	Supporting facilities (dormitories, study rooms, health facilities) are adequate.	10	31	25	3	0	255	74%
3	Facilities and infrastructure are maintained regularly.	6	32	26	2	0	252	73%
4	Communication between management, coaches, athletes, and parents runs smoothly.	10	51	8	0	0	278	81%
5	Cooperation between parties supports athletes' achievements.	6	51	12	0	1	270	78%
6	Conflicts between parties are resolved effectively by management.	5	49	15	0	0	266	77%

7	The Budget Plan is prepared transparently.	6	41	21	0	1	58	75%
8	Financial implementation is in accordance with the established budget plan.	5	39	21	4	0	252	73%
9	sport education and training center for students' financial management supports the smooth running of training programs.	13	36	18	1	0	266	77%
Average Percentage								76%

Based on the results of the data [table 5](#), the percentage of several questions that were grouped together and became one group with the highest results had the highest percentage score of 81% and the lowest of 73%. The average percentage score is 76%. This average score indicates that the implementation of the Central Java sport education and training center for students' management system in 2024 can be categorized as running well and appropriately. The evaluation score is 24%, indicating that there must be evaluation and improvement to enhance the implementation of the Central Java sport education and training center for students' management system in 2024.

Supervision of facilities and infrastructure has been carried out in accordance with what has been determined. To ensure that the objectives are achieved, administrators must always carry out supervisory activities. Supervision is carried out by maintaining orderly administration and regularly checking sports facilities and other supporting equipment. The purpose of this supervision is for administrators to be aware of complaints expressed by athletes so that administrators can immediately repair sports facilities and replace equipment ([Abdillah Nurfaizin 2021](#)). Systematic management of training programs enhances organizational efficiency and supports the achievement of performance targets in sports institutions ([Susanto & Lismadiana, 2024](#)).

Table 6. Analysis of questionnaire data results quality

No	Questions	5	4	3	2	1	Score	%
1	The quality of sport education and training center for students' services is running well and effectively.	7	47	13	2	0	266	77%
2	sport education and training center for students' services support the improvement of student athletic performance.	13	45	11	0	0	278	81%
3	Parents receive sufficient information regarding their children's training programs.	8	41	18	1	1	261	76%
4	Parents are involved in monitoring the athletes' progress.	9	35	22	3	0	257	74%
5	The focus on education and sports supports academic success and athletic achievement.	15	42	12	0	0	279	81%
6	The focus on education and sports is well integrated at sport education and training center for students.	9	48	12	0	0	273	79%

Based on the results of the data [table 6](#), the percentage of several questions that were grouped together and became one group had the highest score, which was 81%, and the lowest was 74%. The average percentage score is 78%. These results show that the control within the Central Java sport education and training center for student's management system in 2024 can be categorized as running well and appropriately. The evaluation score is 22%, which indicates

that there must be control and improvements to enhance the Central Java sport education and training center for students' management system in 2024.

Discussion

From the initial data results, improvements are needed in the lowest scores in the grouping of the program planning table at sport education and training center for students Central Java, which was taken from 2 points. Methods play an important role in facilitating managers' tasks because they are established ways of carrying out work. However, even if the methods used are good, the results will not be satisfactory if the implementers do not understand them or do not have sufficient experience. In the context of sports management, the quality of management is greatly influenced by the ability to apply the right methods and the competence of the individuals who implement them, so that the effectiveness of sports activities can be achieved optimally (Kalantarly & Suleymanov, 2024). Structured management processes are essential for achieving long-term sports development objectives across educational and competitive sport contexts (Setiawan et al., 2022).

Table 7. Program planning and implementation structure

No	Questions	5	4	3	2	1	Score	%
1	Management programs tailored to the needs of athletes and coaches.	7	44	16	0	0	265	77%
2	The vision and mission of sport education and training center for students are easily understood by all relevant parties.	9	43	18	1	0	267	77%

Table 7 from the structure of program planning implementation in the Central Java sport education and training center for students management system, improvements are needed in the management program to adjust to the needs of athletes and coaches in this aspect and the vision with a score of 77% and the sport education and training center for students mission, which is not yet understood by all parties related to the score of 77%. Based on the results of observation and documentation of the program planning context, the sport education and training center for students Central Java management system has performed its functions well through role distribution, a clear work structure, and effective coordination mechanisms. This strengthens the implementation of institutional policies to ensure they are in line with the plan. Based on these definitions, sports management is the process of coordinating activities to achieve group goals through planning, organizing, directing, leading, and supervising in the sports field. Therefore, good management is essential in any organization.

Sports management is also closely linked to facilities. Facilities are anything that helps support and simplify an activity, whether in the form of physical resources or funds. Generally, facilities are categorized into two types: physical facilities and financial facilities (Nurul Jannah, Hidayat, & Wijayanti, 2023). The management of sports facilities and infrastructure plays a strategic role in supporting operational continuity and athlete development (Dala et al., 2025).

Table 8. Implementation of tasks and functions

No	Questions	5	4	3	2	1	Score	%
1	The administration of sport education and training center for students runs effectively and orderly.	8	38	20	2	1	257	74%

2	The care of athletes in the dormitory pays attention to their basic needs.	9	41	17	1	1	263	76%
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Table 8 Implementation task and functions need for improvement and refinement of the lowest score in the table grouping of the organizational system within the Central Java sport education and training center for students' management system, which was taken from 2 points. For the first point, there is a percentage score of 74% from the table, which shows that the administration of the Central Java sport education and training center for students is running effectively and correctly and must be evaluated to be more effective in the future.

For the second point, there is a percentage score of 76% from the table, indicating that the statement that the care of athletes in the dormitory pays attention to the basic needs of athletes needs to be evaluated in order to improve the service of the basic needs of athletes so that it runs well and effectively. From the results of observation and documentation of the organizational context, sport education and training center for students Central Java has carried out its organizational functions well through the division of roles, a clear work structure, and effective coordination mechanisms. This strengthens the implementation of institutional policies in accordance with the plan. The success of an organization is greatly influenced by the level of efficiency and effectiveness of its management.

One of the main factors in the development and achievement of management performance is the role of managers. They are required to have adequate knowledge, sensitivity to situations, the ability to analyze the environment, and be able to carry out management functions such as planning, organizing, directing, and supervising (Bustami & Nugroho, 2025). Effective coaching management contributes significantly to athlete performance, emphasizing the importance of organizing and controlling functions ([Lismadiana et al., 2025](#)).

Table 9. Implementation system in management

1	Training facilities (fields, equipment) are adequate for athletes' needs.	11	31	23	4	0	256	74%
2	Supporting infrastructure (dormitories, study rooms, health facilities) is adequate.	10	31	25	3	0	255	74%
3	Facilities and infrastructure are maintained regularly.	6	32	26	2	0	252	73%
4	The Budget Plan is prepared transparently.	6	41	21	0	1	258	75%
5	Financial implementation is in accordance with the established budget plan.	5	39	21	4	0	252	73%

The results found for the lowest scores in the [table 9](#) grouping of the implementation of the sport education and training center for students' management system in Central Java, which were taken from five statements. For the third point, there are two aspects covering five points. The first is training facilities and infrastructure, which scored 74%. The second point is supporting infrastructure, such as dormitories, study rooms, and health facilities, which scored 74%. The third point received a score of 73% for the routine maintenance of facilities and infrastructure. The second aspect covers the budget and financial plans from the budget plan statement, which was compiled transparently and received a score of 75%, and financial implementation in accordance with the established budget plan with a score of 73%. This aspect can be evaluated to improve it. The results of observations and documentation of the implementation of the sport education and training center for students' management system were able to actively mobilize all components of the organization. Leadership, field coordination, and work motivation were important factors that supported the successful implementation of the program. Implementation can be understood as the process of executing

strategies and allocating the necessary resources. Implementation is a very important part of the planning stage. The success of a plan can be assessed by how well it is implemented (Irawan, Prasetyo, & Yulianto, 2025).

Table 10. Management system evaluation

No	Questions	5	4	3	2	1	Score	%
1	The quality of sport education and training center for students' services is good and effective.	7	47	13	2	0	266	77%
3	Parents receive sufficient information about their children's training programs.	8	41	18	1	1	261	76%
4	Parents are involved in monitoring the athletes' progress.	9	35	22	3	0	257	74%

Management system evaluation above found improvements are needed in the lowest scores in the [table 10](#) grouping, which are the results of the evaluation of the sport education and training center for students Central Java management system taken from the three points mentioned above. The first point is that parents are involved in monitoring the development of athletes, which received a score of 74%. The second point is that parents receive sufficient information regarding their children's training programs, which received a score of 76%. Third, the quality of sport education and training center for students' services is running well and effectively, scoring 77%. The results of observations and documentation in the context of controlling the sport education and training center for students Central Java management system have implemented systematic supervision of the process and results of activities, making it easier for management to take timely steps to improve and enhance the program. Management plays an important role in every activity, both individual and group, within an organization in order to achieve its objectives.

Management focuses on processes, which means it requires human resources, insight, and skills so that activities can run more effectively and produce actions that support success. Therefore, an organization will not be able to achieve success without the implementation of good management ([Kautsar dan Ruhayati 2018](#)) Strategic management practices in sports organizations enhance institutional performance by aligning planning, implementation, and evaluation processes (Irawan, 2025).

Conclusions

This study found that in terms of planning, sport education and training center for students Central Java obtained an average score of 79%, this finding indicate that program planning and activity guideline preparation had been carried out systematically. The organizing aspect obtained the highest score of 80%, reflecting that the division of tasks, coordination, and organization of activities were effective. In the actuating aspect, the average score of 76% indicates that management and coaching activities were carried out according to plan, and the controlling aspect received an average score of 78%, indicating that monitoring, evaluation, and reporting activities were carried out routinely and systematically. Future study is expected to analyze and evaluate the programs that have been carried out over the past five years and the advantages of the programs that have been carried out. However, the use of technology to enhance coaching and performance has been recognized as an important and effective undertaking. However, many of the available tools are not oriented toward the coaches who will be using the technology. Focusing on the user's needs and tasks is not a new idea. Developments that focused mainly on technology or the machine itself, rather than on the needs and the tasks of the end-users have been criticized by many researchers.

Acknowledgment

I would like to thank the Head of BPPLOP Central Java for granting permission and providing facilities for the implementation of this research.

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Cite this article as: Septianto, Mikhael. Amrulloh, Aziz. (2025). Analysis of Sports Education and Training Centers for Students: Management System. *Indonesian Journal of Physical Education and Sport Science (IJPESS)*, 5(4), 591-604. <https://doi.org/10.52188/ijpess.v5i4.1557>