

THE CURRENT STATE OF INFRASTRUCTURE QUALITY, EQUIPMENT, AND ENVIRONMENTAL LANDSCAPE AT SPORTS TRAINING ESTABLISHMENTS IN SPECIALIZED SCHOOLS AND SPORTS TRAINING CENTERS BASED ON TANGIBLE CULTURAL CRITERIA

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Summary

Using criteria related to tangible culture, encompassing cultural institutions and environmental landscapes within sports training establishments, this study conducts a comprehensive survey and analysis of the current state of infrastructure, equipment, and environmental landscapes at sports training establishments in specialized schools and sports training centers in Vietnam. The results indicate that the quality of infrastructure and landscapes at these establishments meets basic standards. However, a considerable portion of assessments rated the quality as average, with a minor segment deeming it substandard or significantly inadequate. While statistical unity exists in the evaluations provided by various subjects; however, sports practitioners exhibited a higher desire for enhanced infrastructure, equipment, and environmental conditions at these specialized training establishments.

Keywords: Cultural environment, quality, tangible culture, environmental landscape.

INTRODUCTION

The presence of a sports cultural environment in physical education and sports is a pivotal and ongoing responsibility. In addition to fostering a cultural environment at sports event venues, it is crucial to implement the cultural environment in sports training establishments. Such establishments, particularly those in sports training centers (training for high-achievement athletes) and specialized universities and colleges (under the management of educational institutions), possess distinct characteristics that differentiate them from commercial sports training establishments. Therefore, evaluating the current state of infrastructure, equipment, and environmental landscapes is essential for providing a comprehensive and accurate assessment of the sports cultural environment, based on tangible cultural criteria related to cultural institutions and landscapes, at sports training establishments in specialized schools and sports training centers.

RESEARCH METHODS

The research methods employed in this study include document analysis and synthesis, interviews, discussions, expert consultation, and mathematical statistics.

RESULTS AND DISCUSSION

Based on the survey forms developed in the previous research phase, we conducted a nationwide survey of sports training establishments in specialized schools and sports training centers to assess the current situation. Direct surveys were conducted in Hanoi, Ho Chi Minh City, and Da Nang. Additionally, survey forms were distributed to other local sports training establishments through official channels, and an online survey was sent to establishments, experts, managers, and staff involved in specialized schools and sports training centers across the country.

Specifically, data were collected from 26 establishments and 1,066 individuals, including leaders, managers, staff, lecturers, coaches, students, and athletes from national and

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Table 1. Current quality of infrastructure, equipment, and environmental landscape at sports training establishments in specialized schools and sports training centers (n=1066)

No	Criteria	Results	Specialized schools sector (n=479)					Sports training centers sector (n=587)				
			Excellent	Good	Average	Poor	Very poor	Excellent	Good	Average	Poor	Very poor
1	Compliance with quality and safety standards for infrastructure and equipment	m _i	111	212	152	3	1	86	238	238	20	5
		%	23.17	4.26	31.73	0.63	0.21	14.65	0.55	40.55	3.41	0.85
2	Compliance with environmental protection standards in sports establishments	m _i	106	228	143	2	0	94	246	231	15	1
		%	22.13	7.6	29.85	0.42	0	16.01	41.91	39.35	2.56	0.17
3	Cultural aspects of the training establishments' landscape	m _i	141	197	139	1	1	105	248	229	1	4
		%	29.44	1.13	29.02	0.21	0.21	17.89	2.25	39.01	0.17	0.68
4	Harmonization of the training facility's landscape with nature and environmental protection	m _i	150	166	162	1	0	109	222	250	3	3
		%	31.32	4.66	33.82	0.21	0	18.57	37.82	42.59	0.51	0.51

provincial sports training centers and universities, colleges, and specialized physical education and sports training institutions. The survey results on the current quality of infrastructure, equipment, and environmental landscapes at sports training facilities in specialized schools and sports training centers are presented in two main categories: a summary of overall survey results (Table 1) and a summary of evaluations based on the perspectives of related stakeholders (Table 2).

The findings from Table 1 indicate that, for sports training establishments in both schools and training centers, the majority of respondents rated the quality of infrastructure, equipment, and environmental landscape as "Good" or "Excellent" across all four criteria (65.98% - 70.57% in specialized school sector, while 55.2% - 60.14% in sports training centers sector). Among these, the specialized school sector received higher ratings of "Good" and "Excellent" feedback compared to the sports training centers sector across all four criteria. The difference ranges from 9.59% in criterion 4 to 12.23% in criterion 1. This suggests that, overall, the infrastructure, equipment, and environmental landscape at both types of establishments meet quality standards, with no significant discrepancies between the two. However, the survey results also reveal a significant proportion of respondents rated the quality of these aspects as "average" (29.02% - 33.82% in the specialized school sector, 39.35 - 42.59% in the sports training centers sector). Additionally, a small percentage of respondents rated the quality as "Poor" or "Very Poor."

The evaluation of the quality of infrastructure, equipment, and environmental landscape at sports training facilities from the perspective of different stakeholder groups (managers,

Table 2. Evaluation results on the current quality of infrastructure, equipment, and environmental landscape at sports training establishments in training centers and specialized sports schools according to three stakeholder groups (n=1066)

No	Criteria	Results	Evaluation														χ^2	P	
			Managers (n=144)					Teachers, coaches, instructors, experts (n=440)					Participants (n=482)						
			Excel- lent	Good	Aver- age	Poor	Very poor	Excel- lent	Good	Aver- age	Poor	Very poor	Excel- lent	Good	Aver- age	Poor			Very poor
1	Compliance with quality and safety standards for infrastructure and equipment	m _i	29	61	50	2	2	73	212	147	5	3	95	177	193	16	1	5.440	0.245
		%	20.14	42.36	34.72	1.39	1.39	16.59	48.18	33.41	1.14	0.68	19.71	36.72	40.04	3.32	0.21		
2	Compliance with environmental protection standards in sports establishments	m _i	23	71	49	1	0	73	219	146	1	1	104	184	179	15	0	4.389	0.356
		%	15.97	49.31	34.03	0.69	0	16.59	49.77	33.18	0.23	0.23	21.58	38.17	37.14	3.11	0		
3	Cultural aspects of the training establishments' landscape	m _i	30	66	46	1	1	97	202	137	1	3	119	177	185	0	1	8.663	0.07
		%	20.83	45.83	31.94	0.69	0.69	22.05	45.91	31.14	0.23	0.68	24.69	36.72	38.38	0	0.21		
4	Harmonization of the training facility's landscape with nature and environmental protection	m _i	34	53	56	0	1	97	165	175	2	1	128	170	181	2	1	5.821	0.213
		%	23.61	36.81	38.89	0	0.69	22.05	37.5	39.77	0.45	0.23	26.56	35.27	37.55	0.41	0.21		

teachers, coaches, instructors, experts, and participants) is presented in Table 2. Although there were some variations in the distribution of responses, (χ^2) comparison results showed no statistically significant differences among the three groups ($P > 0.05$). This indicates that, overall, the three groups share a similar view regarding the quality of infrastructure, equipment, and environmental landscape at sports training establishments. Specifically, the majority of respondents across all groups rated the quality of these aspects as "Good" or "Excellent" with 56.43% to 67.95%. Among them, the group of teachers/coaches/instructors/experts had the highest proportion (64.66%), followed by managers (63.72%) and participants (59.85%). This suggests that compared to managers and coaches, participants (students, athletes, etc.) have higher expectations for the quality of infrastructure, equipment, and environmental landscape at sports training establishments in specialized schools and sports training centers.

Although the majority of responses are "Good" and "Excellent", there is a notable proportion of respondents (31.14% to 40.04% across all three groups) rated the quality as "average." Additionally, 1.87% of participants, 0.97% of teachers/coaches/instructors/experts, and 1.39% of managers indicated that the quality of infrastructure, equipment, and the environmental landscape was "Poor" or "Very Poor" suggesting that there remains a need for further improvement and enhancement.

CONCLUSION

The assessment of the current quality of infrastructure, equipment, and environmental landscape at sports training establishments in specialized schools and sports training centers, based on the criteria related to tangible cultural factors, reveals that the majority of survey participants rated the quality as "Good" or "Excellent". Facilities at specialized schools get a higher evaluation than those at training centers. However, there remains a significant proportion of respondents

who rated the quality as "average," and a smaller number rated it as "Poor" or "Very Poor"

The survey results across different stakeholder groups indicate that, while there is general agreement in evaluations ($P > 0.05$), the trainee group rated the quality of infrastructure, equipment, and environmental landscape lower than the other two groups. This suggests that trainees have higher expectations and demands for the quality of infrastructure, equipment, and environmental landscape at sports training establishments in specialized schools and sports training centers.

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