

Investigation and Research on Tennis Development in Lanshan District of Linyi City

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Abstract: This paper adopts the method of literature, questionnaire, mathematical statistics, expert interview and logical analysis to investigate and analyze the development of amateur tennis in Lanshan District of Linyi City, understand the development of amateur tennis and the factors that restrict its development, and put forward their own conclusions and suggestions, in order to provide theoretical reference for the development of Lanshan District of Linyi City tennis.

Keywords: Lanshan District of Linyi City; The sport of tennis; Current situation

1. Introduction

In response to the call of national fitness, under the care of the Party and the government, tennis is popular among the masses with its unique charm. Like other sports, tennis, which integrates leisure and entertainment, has achieved unprecedented development, especially some big cities began to build tennis centers, such as Beijing, Shanghai, Guangzhou, Wuhan and other cities are developing rapidly. Linyi City as the national logistics capital, the rapid development of economy, people's living standards are steadily improving, the development of tennis is the general trend. Therefore, this paper investigates and studies the development of tennis in Lanshan District of Linyi City, finds out the existing problems and deficiencies, and puts forward countermeasures and suggestions, aiming at providing reference for the development of tennis in Lanshan District of Linyi City.

2. Research object and research method

2.1 Research object

This paper takes the amateur tennis participants in Lanshan District of Linyi City as the research object.

2.2 Research Methods

2.2.1 Documentation method

For the purpose of research, this paper uses CNKI and Chaoxing Digital Library to consult and retrieve relevant literatures on the development status of tennis sports, collect relevant materials of "tennis sports", comprehensively understand the development status of tennis in Lanshan District of Linyi City, and provide detailed information for the research.

2.2.2 Expert Interview Method

By visiting tennis experts, a large amount of information about amateur tennis, leisure tennis and modern tennis was obtained, and detailed records were made to provide reference for later research.

2.2.3 Questionnaire survey

A random questionnaire survey was conducted on amateur tennis participants in Lanshan District, Linyi City, including tennis coaches and tennis fans. Questionnaires were distributed in person and entrusted. (See Table 1 for the distribution and recovery of questionnaires)

Table 1 Statistical table of questionnaire distribution and recovery

Category	Quantity issued	Quantity of recovery	Effective quantity	Recovery rate	Effective rate
Tennis coach	20	18	18	90%	100%
Tennis enthusiast	100	97	97	97%	100%

2.2.4 Mathematical statistics

Various relevant data obtained from interviews and investigation and analysis were processed by Excel software to obtain first-hand information, which provided support for the research.

2.2.5 Logical Analysis Method

The collected data and the data obtained from the investigation are summarized, analyzed and summarized, and then the content of the paper has a certain generalization, logic and refining.

3. Investigation on the development of amateur tennis in Lanshan District of Linyi City

3.1 Income of amateur tennis fans in Lanshan District

Table 2 Income Distribution of Amateur Tennis fans (N=97)

Monthly income (Yuan)	Below 2000	2000-3000	3000-4000	Above 4000
Number (persons)	30	12	50	5
Proportion (%)	31	12	52	5

As can be seen from Table 2, the participants of amateur tennis in Lanshan District, Linyi City are mainly concentrated in the two ranges of monthly income below 2000 and 3000-4000, followed by the 2000-3000 range, because the people in this range are mainly engaged in office work, such as civil servants and college students. It can be concluded from the data in the table that tennis requires certain economic income. With the development of society and the rapid growth of economy in Lanshan District, it is believed that the popularity rate of tennis will continue to rise in the near future. Moreover, as college students graduate and enter the society, they will transform their working income into the consumption power of tennis with their love for tennis. Lanshan District tennis consumer market is full of infinite possibilities.

3.2 The number of tennis exercise times for amateur tennis enthusiasts in Lanshan District

Table 3 Questionnaire on the number of tennis exercise times of amateur tennis fans (N=97)

Times per week	0-1	2-3	4-5	>6
Number	18	55	20	4
Proportion (%)	19	56	20	5

As can be seen from Table 3, those who exercise once a week or less account for 19%, those who exercise 2-3 times a week account for 56%, those who exercise 4-5 times a week account for 20%, and those who exercise 6 times a week or more account for 5% of the total. The number of people who exercise 2-3 times a week accounts for the highest proportion. It can be seen that the number of amateur tennis exercise in Lanshan District is low, and people's enthusiasm for exercise is not high. The reason may be related to the imperfect venues and equipment, and the lack of free time for people.

3.3 Time for amateur tennis enthusiasts to participate in tennis exercise in Lanshan District

Table 4 Time Questionnaire of amateur Tennis enthusiasts participating in tennis exercise (N=97)

Each time (hours)	0-1	1-2	2-3	>3
Number	7	55	20	15
Proportion (%)	7	57	20	16

As can be seen from Table 4, the amateurs in Lanshan District who exercise for less than 1 hour account for 7% of the total number of respondents, those who exercise for 1-2 hours account for 57%, those who exercise for 2-3 hours account for 20%, and those who exercise for 3 hours or more account for 16%. The people who exercised for 1-2 hours each time accounted for the highest proportion, and the people in other exercise intervals were very small. Because of the large amount of tennis activities, we need to do a lot of net volley, high pressure ball processing, sometimes also need to run back and forth on the court to save the ball, which requires a high physical quality. The people who participate in amateur tennis are mostly college students and white-collar workers, most of whom can maintain 1-2 hours of exercise time each time, but have less exercise time due to their heavy study. White-collar workers are highly motivated to participate in various tennis events all year round. The above data analysis shows that the amateur tennis training in Lanshan District of Linyi City has strong regional characteristics.

3.4 Educational background of amateur tennis coaches in Lanshan District

Table 5 Educational Background of Amateur Tennis Coaches (N=18)

Educational background	Number	Proportion (%)
Technical secondary school	3	17
Junior college	4	22
Undergraduate	8	45
Master degree or above	2	11
Other	1	5

As can be seen from Table 5, there are 8 coaches with bachelor's degree, accounting for 45% of the total number, far more than those with other degrees, such as technical secondary school, junior college, master's degree or above. The proportion of those with above degree is basically the same, and the proportion of those with other degrees (primary school, no degree) is almost zero. It can be concluded that among the coaches involved in amateur tennis in Lanshan District of Linyi City, the educational level is optimistic, which lays a good foundation for the next step to better publicize and popularize tennis.

3.5 Tennis courts in Lanshan District

Table 6 Tennis Courts in Lanshan District (N=20)

Site type	asphalt	Artificial turf	plastic	Indoor venue
Quantity	14	1	3	2
Proportion (%)	75	5	15	10

As can be seen from Table 6, there are altogether 20 tennis courts in Lanshan District of Linyi City, among which 14 asphalt tennis courts account for 70%, 1 artificial turf 5%, 3 plastic courts 15% and 2 indoor courts 10%. Most of these courts are distributed unevenly in urban areas. Lanshan District of Linyi City has a total population of more than 1 million, but there are only 20 tennis courts, so the tennis courts cannot meet people's needs.

4. Conclusions and Suggestions

4.1 Conclusion

The masses in Lanshan District of Linyi City have high enthusiasm to participate in amateur tennis, and the sports form is diverse. The number is relatively fixed, mainly college students and white-collar workers, and the participation of wage earners is low. The tennis court in Lanshan District of Linyi City is scarce and the distribution is relatively fixed, the court facilities are backward, and the maintenance and maintenance in the later stage are not in place; The lack of senior coaches leads to the overall level of amateur tennis is not high, which affects the development of amateur tennis to a certain extent. Government departments pay little attention to tennis, and the late promotion and publicity are few, leading to the shelving of amateur tennis sports.

4.2 Suggestions

4.2.1 Change people's fitness awareness and consumption concept ideologically, and encourage people of all ages and strata to participate in tennis. Vigorously promote the knowledge of tennis exercise, regular tennis open technical movement guidance lectures.

4.2.2 Use major news media, Internet and other media to vigorously promote the leisure, entertainment and interest of amateur tennis, so that people can better feel the charm of tennis and participate in the sport.

4.2.3 Strengthen the construction of site facilities, the government should invest more, distribute sites evenly, build sites with high quality and strong practicability, organize maintenance and management personnel in the later stage, and improve people's awareness of site care.

4.2.4 The attention and support of government departments is the fundamental guarantee for better popularization of amateur tennis in Lanshan District, Linyi City, and the key to the development of amateur tennis.

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