

Analysis and Measurement on Indoor Environment of University Dormitories

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Abstract : Dormitory is a place for college students to study and live their daily life. The indoor environment quality of the dormitory is closely related to the physical health, mood status and work efficiency of the dormitory students. In this paper, the temperature, humidity and carbon dioxide concentration of the dormitory in Zijingang campus of Zhejiang University have been tested for three days. The experimental results show that the concentration of carbon dioxide is related to the size of the window opens and the number of dormitory staff, and presents a high concentration of carbon dioxide at nighttime while a low concentration at daytime. In terms of temperature and humidity, there is no significant difference between different orientation and time and presents a small humidity at daytime while a high humidity at nighttime.

Keywords : dormitory, indoor environment, temperature, relative humidity, carbon dioxide concentration

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