**Cover Letter**

Dear Dr. Jialan Zhang,

We submit our manuscript entitled ‘Study on Moisture Absorption and Desorption Rate of Bamboo Scrimber by Hot-Humid Climatic Wind Tunnel’ to Journal of Visualized Experiments for publication.

In this paper a wind tunnel test was carried out with complete climate data of a typical summer day in Guangzhou, a subtropical city located in south China. The climate data, including dynamic solar radiation, air temperature, relative humidity and constant wind speed was repeated for 72hr, of which the last 48hr were selected for analysis. The reference timber for comparison in this study was Intsia.spp (Caesalpiniaceae), a kind of antiseptic hardwood for outdoor flooring. The dynamic test result in wind tunnel showed that bamboo scrimber had lower moisture absorption and desorption rate than reference hardwood. The significant magnitude difference between the dynamic and static test results showed the necessity of a comprehensive evaluation approach that could take more practical climate conditions into consideration. The climatic wind tunnel enabled the control of complete climate conditions, therefore realized the repeatability and standardization of the climate-related experiment.

Thank you very much for your attention and consideration.

Sincerely yours,

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