

Get Back Individuality of Japan

Introduction

If I was an alien who land on the earth first time, I will not able to find deference between Japan and U.S.A.

Japan lost individuality by changing original culture to Western cultures and cultural enlightenment. I cannot find trace of Heian period or Edo period in town where tall buildings and houses made of concrete are built close together in. Sometimes we heard the word “Learning a lesson from the past.” Where is “the past” in society? Something we give up with modernization may more precious and more profitable than our imagination.

I want to get back individuality called “Wa” to Japan. I focused on Japanese traditional architecture and research methods which are made use of it to the present.

Methodology

I compared Japanese-style architecture with modern architecture with my friend.

We researched the advantages and disadvantages of Japanese-style architecture by using the Internet and reading books. We also made models of Japanese-style house and modern house which refer to construction of them. Vertical woods and horizontal woods make up Japanese-style architecture. Modern architecture is made up woods

shape of “X”. Eventually, we tested strength of each construction by made false earthquake and observe the bend of them.

Results

As a result, the bend of the model of Japanese-style architecture was milder than the model of the modern architecture. The research shows that Japanese-style architecture has earthquake-resistance strength equal to or better than the modern architecture.

Discussion

We think Japanese traditional technique of architecture will useful to modern architecture. However, we must solve demerits of traditional architecture. Main demerits are decline in the number of craftperson, considerable cost. In addition, it need a lot of time to build one architecture. One of solution to clear demerits is “Mechanization”. It means robots use traditional skills instead of craftperson. This project are conducted at Chiba University. They say this project will decrease cost and work time.

Conclusions

If we can solve demerits of Japanese traditional architecture skills, we will able

to gain some profits by them.

First, buildings which made by this skills do not discharge industrial waste because materials of it are woods. Second, it has relaxing effect. We can enjoy our own time. Moreover, Japanese-style architecture is a culture unique to Japan. We will able to realize an eco-friendly country and get the lost original life style back.

I believe Japanese traditional architecture skills are worth standing center stage of architecture again.

Bibliography

Website:

https://www.chiba-u.ac.jp/research/coe_gp/result/engineering/result12.html