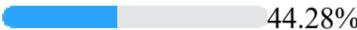
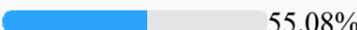
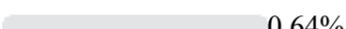


## Questionnaire about the indoor environment and Thermal Comfort for traditional historic stilt house, a Case of Dong Minority Dwelling during summer

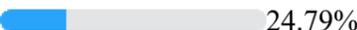
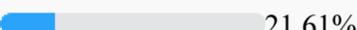
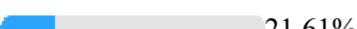
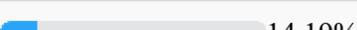
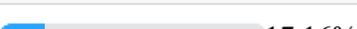
Thank you very much for your participation. The following questionnaire is about the building performance survey, which is conducted by Guanxi Key Laboratory of New Energy and Building Energy Saving Guilin University of Technology. Your feedback is very valuable for us to evaluate and improve the building performance.

The survey is completely anonymous, we assure you your personal information will be kept strictly confidential. Thank you again for your cooperation.

1. Gender: [\[Single choice questions\]](#)

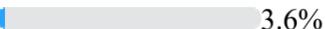
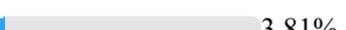
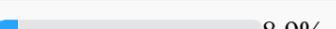
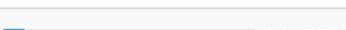
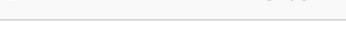
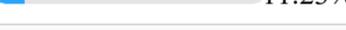
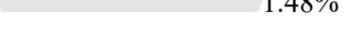
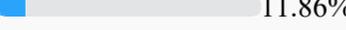
Option	Subtotal	Proportion
Male	209	 44.28%
Female	260	 55.08%
Invalid	3	 0.64%
Total questionnaires	472	

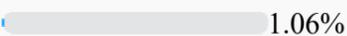
2. Age: [\[Single choice questions\]](#)

Option	Subtotal	Proportion
Less than 30	117	 24.79%
31~40	102	 21.61%
41~50	102	 21.61%
51~60	67	 14.19%
Over 60	81	 17.16%
Invalid	3	 0.64%
Total questionnaires	472	

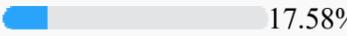
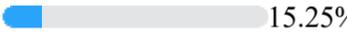
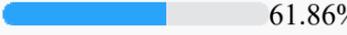
3. Your current dress:

Top, Bottom, Skirt, Shoes and socks [\[Multiple choice questions\]](#)

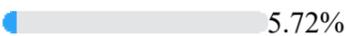
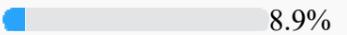
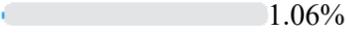
Option	Subtotal	Proportion
Long-sleeved T-shirt	17	 3.6%
Short-sleeved T-shirt	335	 70.97%
Long-sleeved shirt	18	 3.81%
Short-sleeved shirt	42	 8.9%
Suit pants	49	 10.38%
Jean	52	 11.02%
Pants	259	 54.87%
Slim skirt	38	 8.05%
Dress	53	 11.23%
Anklet	14	 2.97%
Stocking	7	 1.48%
Leather shoes/sports shoes	56	 11.86%
Sandal/slipper	337	 71.4%

Invalid	5	 1.06%
Total questionnaires	472	

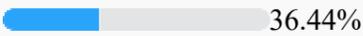
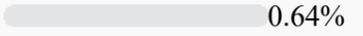
4. How long have you been living in this building: [\[Single choice questions\]](#)

Option	Subtotal	Proportion
Less than 1 year	20	 4.24%
1-3years	83	 17.58%
4-6years	72	 15.25%
Over 6years	292	 61.86%
Invalid	5	 1.06%
Total questionnaires	472	

5. How much time do you usually spend at home in a week: [\[Single choice questions\]](#)

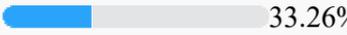
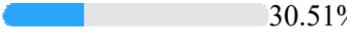
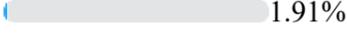
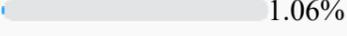
Option	Subtotal	Proportion
Less than 40 hours	27	 5.72%
40-55 hours	42	 8.9%
55-70 hours	81	 17.16%
Over 70 hours	317	 67.16%
Invalid	5	 1.06%
Total questionnaires	472	

6. The type of house you live in: [\[Single choice questions\]](#)

Option	Subtotal	Proportion
Traditional Historic Stilt House in North Guangxi (Pile-Dwelling)	134	 28.39%
Traditional Historic Semi-Stilt House in North Guangxi	172	 36.44%
Reinforced Concrete Building	163	 34.53%
Invalid	3	 0.64%
Total questionnaires	472	

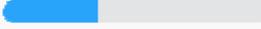
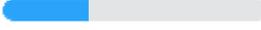
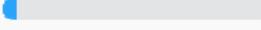
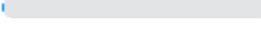
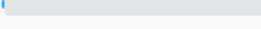
7. Do you think it is necessary for the house to be raised on stilts [\[Scale questions\]](#)

**Average score: 0.71**

Option	Subtotal	Proportion
There must be	117	 24.79%
It is better for	157	 33.26%
No idea	144	 30.51%
It is not necessary to	40	 8.47%
There must be no	9	 1.91%
Invalid	5	 1.06%
Total questionnaires	472	

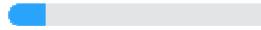
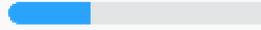
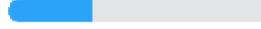
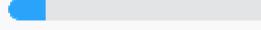
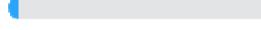
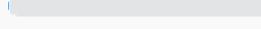
8. Do you think it is necessary for the house of the entrance corridor? [\[Scale questions\]](#)

**Average score: 0.75**

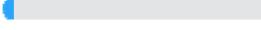
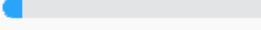
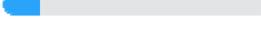
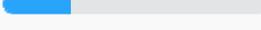
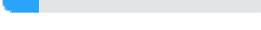
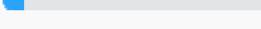
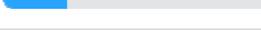
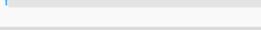
Option	Subtotal	Proportion
There must be	108	 22.88%
It is better for	171	 36.23%
No idea	156	 33.05%
It is not necessary to	26	 5.51%
There must be no	6	 1.27%
Invalid	5	 1.06%
Total questionnaires	472	

9. Do you think it is necessary for the house of the fire pool? [\[Scale questions\]](#)

**Average score: 0.39**

Option	Subtotal	Proportion
There must be	72	 15.25%
It is better for	149	 31.57%
No idea	154	 32.63%
It is not necessary to	71	 15.04%
There must be no	21	 4.45%
Invalid	5	 1.06%
Total questionnaires	472	

10. How many bedrooms are there? [\[Single choice questions\]](#)

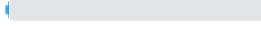
Option	Subtotal	Proportion
1	20	 4.24%
2	36	 7.63%
3	68	 14.41%
4	124	 26.27%
5	64	 13.56%
6	38	 8.05%
Over 6	115	 24.36%
Invalid	7	 1.48%
Total questionnaires	472	

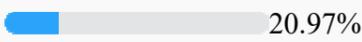
11. What's the orientation and number of windows in your house: [\[Multiple choice questions\]](#)

The title \ options	None	East	South	West	North	Invalid
Number and orientation	6(1.27%)	203(43.01%)	325(68.86%)	191(40.47%)	131(27.75%)	8(1.69%)

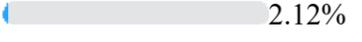
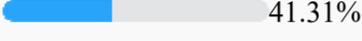
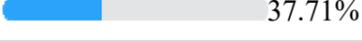
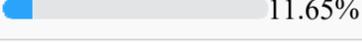
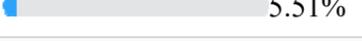
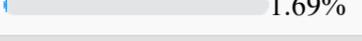
12. Do you think the individual control of the environment, including indoor air quality, thermal, lighting and acoustic environment, is important for you: [\[Scale questions\]](#)

**Average score: 0.75**

Option	Subtotal	Proportion
No, it is not important	7	 1.48%

No idea	99	 20.97%
Yes, it is important	350	 74.15%
Invalid	16	 3.39%
Total questionnaires	472	

13. What was your activity status during the first 30 minutes of filling out the questionnaire? [\[Single choice questions\]](#)

Option	Subtotal	Proportion
Lying	10	 2.12%
Site	195	 41.31%
Occasionally walk	178	 37.71%
Standing	55	 11.65%
Strenuous exercise	26	 5.51%
Invalid	8	 1.69%
Total questionnaires	472	

14. Physical parameters when filling in the questionnaire:

0.1 meters in height [\[Matrix text questions\]](#)

15. Physical parameters when filling in the questionnaire:

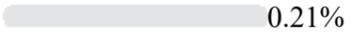
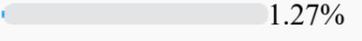
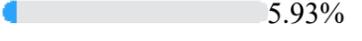
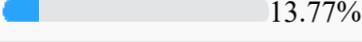
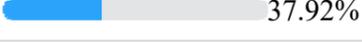
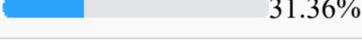
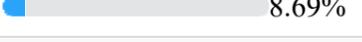
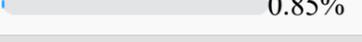
0.6 meters in height [\[Matrix text questions\]](#)

16. Physical parameters when filling in the questionnaire:

1.1 meters in height [\[Matrix text questions\]](#)

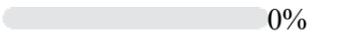
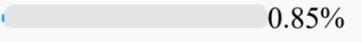
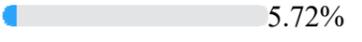
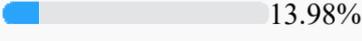
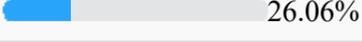
17. How satisfied are you with the overall indoor thermal environment in terms of temperature, humidity, wind speed etc.? [\[Scale questions\]](#)

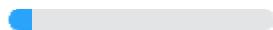
**Average score: 1.19**

Option	Subtotal	Proportion
Very dissatisfied	1	 0.21%
2	6	 1.27%
3	28	 5.93%
4	65	 13.77%
5	179	 37.92%
6	148	 31.36%
Very satisfied	41	 8.69%
Invalid	4	 0.85%
Total questionnaires	472	

18. How satisfied are you with the indoor air quality in terms of freshness, cleanliness, odor etc.? [\[Scale questions\]](#)

**Average score: 1.18**

Option	Subtotal	Proportion
Very dissatisfied	0	 0%
2	4	 0.85%
3	27	 5.72%
4	66	 13.98%
5	202	 42.8%
6	123	 26.06%

Very satisfied	46	 9.75%
Invalid	4	 0.85%
Total questionnaires	472	

19. How satisfied are you with the current light environment in terms of glare prevention, brightness etc? [\[Scale questions\]](#)  
**Average score: 0.95**

Option	Subtotal	Proportion
Very dissatisfied	4	 0.85%
2	10	 2.12%
3	59	 12.5%
4	58	 12.29%
5	180	 38.14%
6	116	 24.58%
Very satisfied	42	 8.9%
Invalid	3	 0.64%
Total questionnaires	472	

20. How satisfied are you with the acoustic environment in terms of noise, privacy of conversation etc.? [\[Scale questions\]](#)  
**Average score: 0.53**

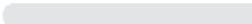
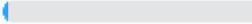
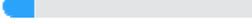
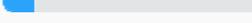
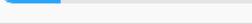
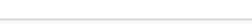
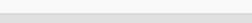
Option	Subtotal	Proportion
Very dissatisfied	4	 0.85%
2	38	 8.05%
3	85	 18.01%
4	73	 15.47%
5	138	 29.24%
6	100	 21.19%
Very satisfied	28	 5.93%
Invalid	6	 1.27%
Total questionnaires	472	

21. How satisfied are you with the overall indoor environment by overall consideration of indoor thermal environment, the indoor air quality, the light environment, the acoustic environment in winter? [\[Scale questions\]](#)  
**Average score: 1.13**

Option	Subtotal	Proportion
Very dissatisfied	0	 0%
2	7	 1.48%
3	27	 5.72%
4	72	 15.25%
5	188	 39.83%
6	140	 29.66%
Very satisfied	35	 7.42%
Invalid	3	 0.64%
Total questionnaires	472	

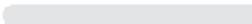
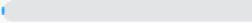
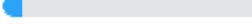
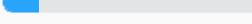
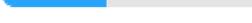
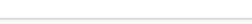
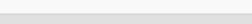
22. How satisfied are you by only considering the current thermal comfort (summer)? [\[Scale questions\]](#)

**Average score: 0.9**

Option	Subtotal	Proportion
Very dissatisfied	2	 0.42%
2	13	 2.75%
3	59	 12.5%
4	57	 12.08%
5	200	 42.37%
6	105	 22.25%
Very satisfied	34	 7.2%
Invalid	2	 0.42%
<b>Total questionnaires</b>	<b>472</b>	

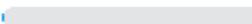
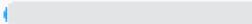
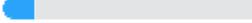
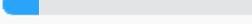
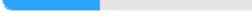
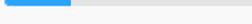
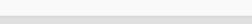
23. How satisfied are you by only consideration of the air quality? [\[Scale questions\]](#)

**Average score: 1.12**

Option	Subtotal	Proportion
Very dissatisfied	1	 0.21%
2	6	 1.27%
3	36	 7.63%
4	66	 13.98%
5	189	 40.04%
6	115	 24.36%
Very satisfied	51	 10.81%
Invalid	8	 1.69%
<b>Total questionnaires</b>	<b>472</b>	

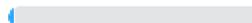
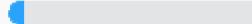
24. How satisfied are you by only consideration of the light environment (glare prevention, brightness) of the room? [\[Scale questions\]](#)

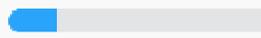
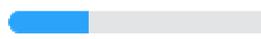
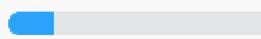
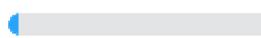
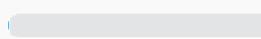
**Average score: 0.89**

Option	Subtotal	Proportion
Very dissatisfied	6	 1.27%
2	8	 1.69%
3	59	 12.5%
4	65	 13.77%
5	175	 37.08%
6	123	 26.06%
Very satisfied	29	 6.14%
Invalid	7	 1.48%
<b>Total questionnaires</b>	<b>472</b>	

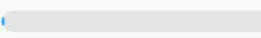
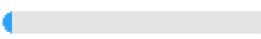
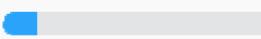
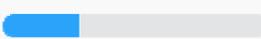
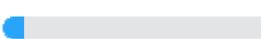
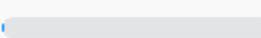
25. How satisfied are you with the acoustic environment only? [\[Scale questions\]](#)

**Average score: 0.44**

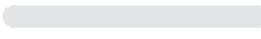
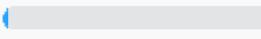
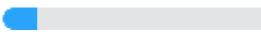
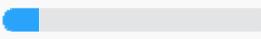
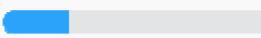
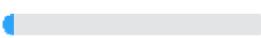
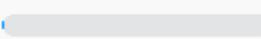
Option	Subtotal	Proportion
Very dissatisfied	10	 2.12%
2	30	 6.36%

3	85	 18.01%
4	89	 18.86%
5	146	 30.93%
6	86	 18.22%
Very satisfied	21	 4.45%
Invalid	5	 1.06%
<b>Total questionnaires</b>	<b>472</b>	

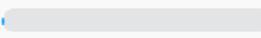
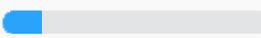
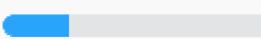
26. How satisfied are you with the current living environment by consideration of space and structural safety? [\[Scale questions\]](#)  
**Average score: 1.22**

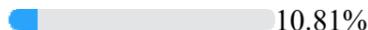
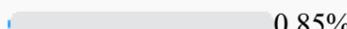
Option	Subtotal	Proportion
Very dissatisfied	0	 0%
2	4	 0.85%
3	18	 3.81%
4	62	 13.14%
5	209	 44.28%
6	137	 29.03%
Very satisfied	38	 8.05%
Invalid	4	 0.85%
<b>Total questionnaires</b>	<b>472</b>	

27. How satisfied are you with the indoor thermal environment for a whole year? [\[Scale questions\]](#)  
**Average score: 0.85**

Option	Subtotal	Proportion
Very dissatisfied	2	 0.42%
2	13	 2.75%
3	60	 12.71%
4	66	 13.98%
5	183	 38.77%
6	119	 25.21%
Very satisfied	23	 4.87%
Invalid	6	 1.27%
<b>Total questionnaires</b>	<b>472</b>	

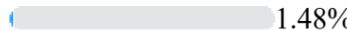
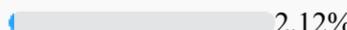
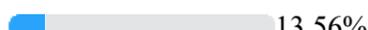
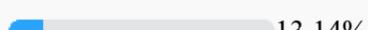
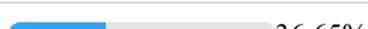
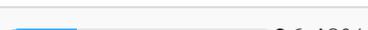
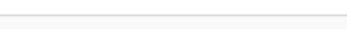
28. How satisfied are you with the ventilation of your house? [\[Scale questions\]](#)  
**Average score: 1.15**

Option	Subtotal	Proportion
Very dissatisfied	0	 0%
2	5	 1.06%
3	30	 6.36%
4	72	 15.25%
5	193	 40.89%
6	117	 24.79%

Very satisfied	51	 10.81%
Invalid	4	 0.85%
Total questionnaires	472	

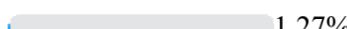
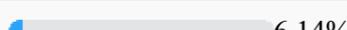
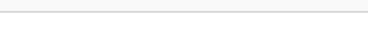
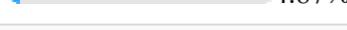
29. How satisfied are you with the illumination of your dwelling? [\[Scale questions\]](#)

**Average score: 0.85**

Option	Subtotal	Proportion
Very dissatisfied	7	 1.48%
2	10	 2.12%
3	64	 13.56%
4	62	 13.14%
5	173	 36.65%
6	125	 26.48%
Very satisfied	27	 5.72%
Invalid	4	 0.85%
Total questionnaires	472	

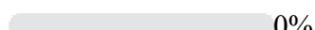
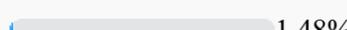
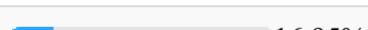
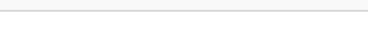
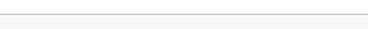
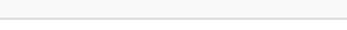
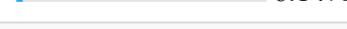
30. How satisfied are you with sound insulation of your dwelling? [\[Scale questions\]](#)

**Average score: 0.51**

Option	Subtotal	Proportion
Very dissatisfied	6	 1.27%
2	29	 6.14%
3	87	 18.43%
4	84	 17.8%
5	142	 30.08%
6	94	 19.92%
Very satisfied	23	 4.87%
Invalid	7	 1.48%
Total questionnaires	472	

31. How satisfied are you with the overall living environment of your village (air quality, facility convenience, neighborhood relationship)? [\[Scale questions\]](#)

**Average score: 1.14**

Option	Subtotal	Proportion
Very dissatisfied	0	 0%
2	7	 1.48%
3	19	 4.03%
4	80	 16.95%
5	187	 39.62%
6	144	 30.51%
Very satisfied	29	 6.14%
Invalid	6	 1.27%
Total questionnaires	472	

32. In terms of thermal comfort, how do you feel now? [\[Scale questions\]](#)

**Average score: 0.82**

Option	Subtotal	Proportion
Cold	0	0%
Cool	8	1.69%
Slightly cool	14	2.97%
Neutral	151	31.99%
Slightly warm	192	40.68%
Warm	89	18.86%
Hot	15	3.18%
Invalid	3	0.64%
Total questionnaires	472	

33. Do you think the current indoor thermal environment is acceptable: [\[Scale questions\]](#)

**Average score: 1.03**

Option	Subtotal	Proportion
Clearly unacceptable	1	0.21%
2	4	0.85%
3	31	6.57%
4	94	19.92%
5	192	40.68%
6	103	21.82%
Clearly acceptable	41	8.69%
Invalid	6	1.27%
Total questionnaires	472	

34. You want the indoor temperature to become now [\[Scale questions\]](#)

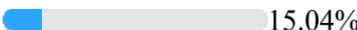
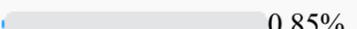
**Average score: 0.73**

Option	Subtotal	Proportion
Warm more	2	0.42%
Remain the same	123	26.06%
Cool more	341	72.25%
Invalid	6	1.27%
Total questionnaires	472	

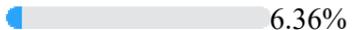
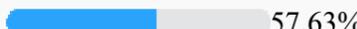
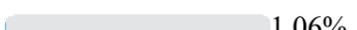
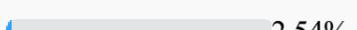
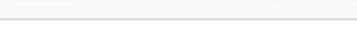
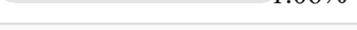
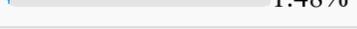
35. Your comfort evaluation of indoor thermal environment (taking temperature, humidity, wind sensation into consideration) [\[Scale questions\]](#)

**Average score: 0.76**

Option	Subtotal	Proportion
Be hard to bear	6	1.27%
Very uncomfortable	24	5.08%
Uncomfortable	118	25%
A little uncomfortable	249	52.75%

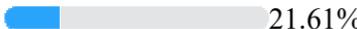
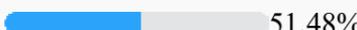
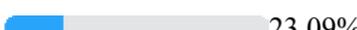
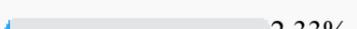
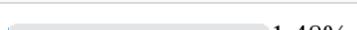
Comfortable	71	 15.04%
Invalid	4	 0.85%
Total questionnaires	468	

36. What measures are you using now to improve your comfort level: [\[Multiple choice questions\]](#)

Option	Subtotal	Proportion
Shade from the sun (avoid too much sun)	30	 6.36%
Windows that can be switched on and off	272	 57.63%
Room temperature controller	5	 1.06%
Electric heater	12	 2.54%
Humidifier	10	 2.12%
Air conditioner	181	 38.35%
Fan	411	 87.08%
Increase or decrease in clothes	123	 26.06%
The above are no	5	 1.06%
Others:	7	 1.48%
Invalid	6	 1.27%
Total questionnaires	472	

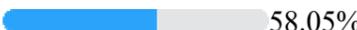
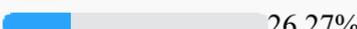
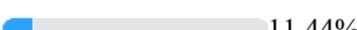
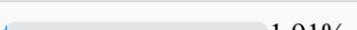
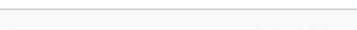
37. Your assessment of the wind in the room: [\[Scale questions\]](#)

**Average score: 1.06**

Option	Subtotal	Proportion
There is no wind	102	 21.61%
There is a slight wind sensation	243	 51.48%
There is a distinct wind sensation	109	 23.09%
There is a strong wind feeling	11	 2.33%
Invalid	7	 1.48%
Total questionnaires	465	

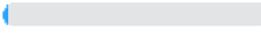
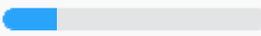
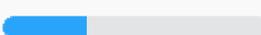
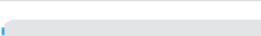
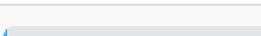
38. Your assessment of the intensity of odors in the room: [\[Scale questions\]](#)

**Average score: -0.57**

Option	Subtotal	Proportion
No odor	274	 58.05%
Slight odor	124	 26.27%
Medium odor	54	 11.44%
A strong odor	9	 1.91%
An unbearable odor	1	 0.21%
Invalid	10	 2.12%
Total questionnaires	462	

39. Your assessment of the light environment (brightness): [\[Scale questions\]](#)

**Average score: 0.08**

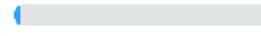
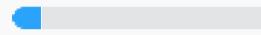
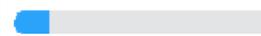
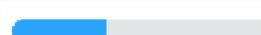
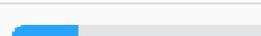
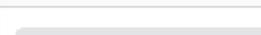
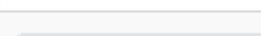
Option	Subtotal	Proportion
Too dark	11	 2.33%
Slightly dark	99	 20.97%
Neutral	201	 42.58%
Slightly bright	150	 31.78%
Too bright	4	 0.85%
Invalid	7	 1.48%
Total questionnaires	465	

40. Regarding the indoor environment you are in, the environmental factors that you feel most affect your satisfaction, satisfaction and dissatisfaction are respectively: [\[Multiple choice questions\]](#)

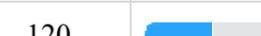
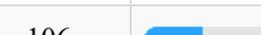
The title \ options	Temperature	Humidity	Wind speed	Acoustic	Light	air quality	Others	Invalid
Most impact on overall satisfaction	279(59.11%)	166(35.17%)	157(33.26%)	184(38.98%)	240(50.85%)	215(45.55%)	19(4.03%)	79(16.74%)
The most satisfied	224(47.46%)	162(34.32%)	138(29.24%)	124(26.27%)	217(45.97%)	208(44.07%)	5(1.06%)	14(2.97%)
The most unsatisfied	98(20.76%)	84(17.8%)	77(16.31%)	203(43.01%)	118(25%)	57(12.08%)	33(6.99%)	32(6.78%)

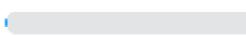
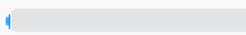
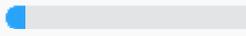
41. Please mark your daily timetable in the form below. [\[Matrix text questions\]](#)

42. If you have a fan, a heater, an air conditioner, how to use it in summer and winter? If no, please skip this question. How would you open it? [\[Multiple choice questions\]](#)

Option	Subtotal	Proportion
Never opening	15	 3.18%
Always opening	50	 10.59%
When entering the room	68	 14.41%
When feeling hot/cold	373	 79.03%
When there is a guest	168	 35.59%
When going to bed	118	 25%
At certain time	2	 0.42%
Others	1	 0.21%
Invalid	25	 5.3%
Total questionnaires	472	

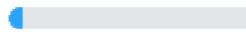
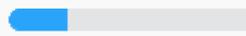
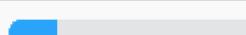
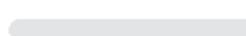
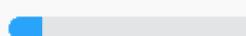
43. If you have a fan, a heater, an air conditioner, how to use it in summer and winter? If no, please skip this question. How would you close it? [\[Multiple choice questions\]](#)

Option	Subtotal	Proportion
Never closing	7	 1.48%
When leaving the room	93	 19.7%
When leaving home	140	 29.66%
When feeling hot/cold	353	 74.79%
Before sleeping	120	 25.42%
After getting up	106	 22.46%

At certain time	4	 0.85%
After opening for hours	7	 1.48%
Others	0	 0%
Invalid	36	 7.63%
Total questionnaires	472	

44. How do you operate electric cooling and heating equipment (fan, air conditioner, oil heater, electric heater, heater)? If no, please skip this question.

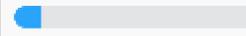
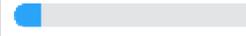
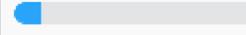
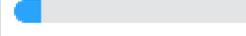
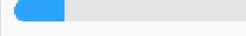
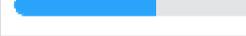
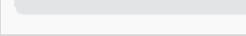
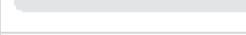
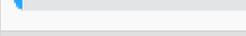
[\[Multiple choice questions\]](#)

Option	Subtotal	Proportion
Never opening	27	 5.72%
Turn it on when entering the room and turn it off when leaving the room	109	 23.09%
Turn it on when feeling hot/cold, turn it off when leaving the room	360	 76.27%
Turn it on when you wake up and turn it off when you're dressed	89	 18.86%
Others	2	 0.42%
Invalid	60	 12.71%
Total questionnaires	472	

45. Can windows of your building (living room/bedroom1, 2, 3) be opened?

If yes, please answer this question-how do you open or close it in winter; if no, please skip this question.

How would you open it? [\[Multiple choice questions\]](#)

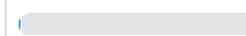
Option	Subtotal	Proportion
Never opening	40	 8.47%
Always opening	50	 10.59%
When leaving home	52	 11.02%
After getting up	51	 10.81%
When entering the room	51	 10.81%
When AC off	91	 19.28%
When feeling hot	248	 52.54%
When smelly or stuffy indoor	325	 68.86%
When sunny or warm outdoor	253	 53.6%
At certain time	2	 0.42%
Others	2	 0.42%
Invalid	18	 3.81%
Total questionnaires	472	

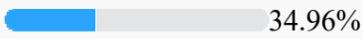
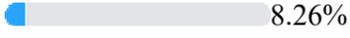
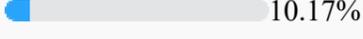
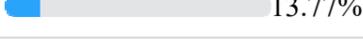
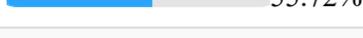
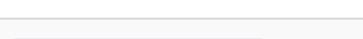
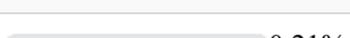
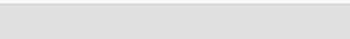
46. Can windows of your building (living room/bedroom1, 2, 3) be opened?

If yes, please answer this question-how do you open or close it in summer; if no, please skip this question.

How would you open it?

[\[Multiple choice questions\]](#)

Option	Subtotal	Proportion
Never opening	4	 0.85%

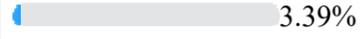
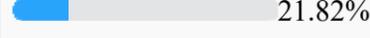
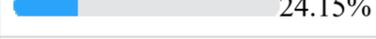
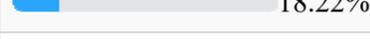
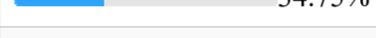
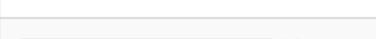
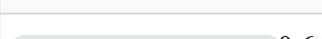
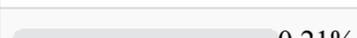
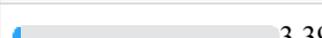
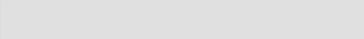
Always opening	165	 34.96%
When leaving home	39	 8.26%
After getting up	48	 10.17%
When entering the room	65	 13.77%
When AC off	90	 19.07%
When feeling hot	263	 55.72%
When smelly or stuffy indoor	275	 58.26%
When sunny or warm outdoor	174	 36.86%
At certain time	1	 0.21%
Others	1	 0.21%
Invalid	16	 3.39%
<b>Total questionnaires</b>	<b>472</b>	

47. Can windows of your building (living room/bedroom1, 2, 3) be opened?

If yes, please answer this question-how do you open or close it in winter; if no, please skip this question.

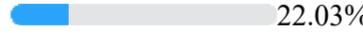
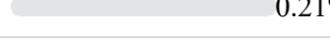
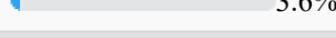
How would you close it?

[\[Multiple choice questions\]](#)

Option	Subtotal	Proportion
Never closing	16	 3.39%
When leaving home	103	 21.82%
Before sleeping	114	 24.15%
When entering the room	86	 18.22%
When AC on	164	 34.75%
When feeling cold	288	 61.02%
Bad outdoor environment (wind/rain/dust weather/noisy)	292	 61.86%
At certain time	0	 0%
After opening for hours	3	 0.64%
Others	1	 0.21%
Invalid	16	 3.39%
<b>Total questionnaires</b>	<b>472</b>	

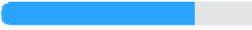
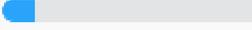
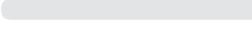
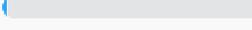
48. When will you turning on lighting devices in living room and bedroom?

[\[Multiple choice questions\]](#)

Option	Subtotal	Proportion
Turning on once entering the room	104	 22.03%
When it's too dark	419	 88.77%
Others	1	 0.21%
Invalid	17	 3.6%
<b>Total questionnaires</b>	<b>472</b>	

49. When will you turning off lighting devices in living room and bedroom?

[Multiple choice questions]

Option	Subtotal	Proportion
When leaving room	259	 54.87%
Before sleeping	349	 73.94%
When bright during daytime	354	 75%
When watching TV or a movie	61	 12.92%
Others	2	 0.42%
Invalid	13	 2.75%
Total questionnaires	472	

End of this survey, thanks for your participation.