Supplementary Materials: Developing Guidelines for Thermal Comfort and Energy Saving During Hot Season of Multipurpose Senior Centers in Thailand.

Participant No ☐☐☐ Data No☐☐☐☐

Questionnaire

Part 1: Indoor and outdoor environment

1	Date……...		
2	Times……		
3	Season		
Hot season ☐		Rainy season ☐	Cold season ☐
4	Surveyed room name……		

5	Outdoor environment (using data from the Thai Meteorological Department)
	Outdoor air temperature [°C] …….
	Outdoor Relative humidity [%] …….
	Outdoor Air velocity [m/s]……
	Others…….

6	Indoor environment (using data from measurement)
	Air temperature [°C] ……...
	Mean radiant temperature [°C] ……...
	Relative humidity [%] ……
	Air velocity [m/s]……...

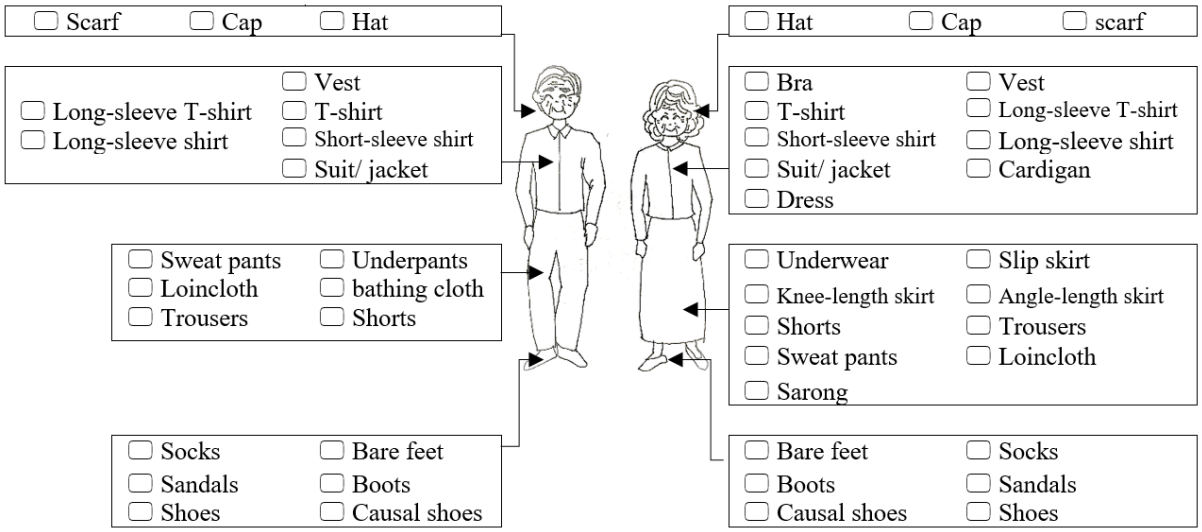
7	Surveyed point in the room…….
8	Drawing surveyed point in the room in brief.

Part 2: Demographic data

1	Age [year]……		
2	Weight [kg]……..		
3	Height [cm]……..		
4	Gender:	Male ☐	Female ☐
5	Occupant's Activity Level (Tick the one that is most suitable)		
Seat quiet / writing/ Reading seated 1.0 met ☐		Typing 1.1 met ☐	
Filling, seated/ Standing, relaxed 1.2 met ☐		Filling, standing 1.4 met ☐	

Part 3: Clothing insulation of the subjects

1 Total clothing insulation value [clo]…….



Note……..

Part 4: Thermal sensation

4.1 feeling to environmental parameters

1	How do you feel about the temperature in the room at this moment ?						
Cold ☐	Cool ☐	Slightly cool ☐	Neutral ☐	Slightly warm ☐	warm ☐	Hot ☐	
2	How do you feel about the humidity in the room at this moment ?						
Very dry ☐	Dry ☐	Slightly dry ☐	Neutral ☐	Slightly humid ☐	Humid ☐	Very humid ☐	
3	How do you feel about the air velocity in the room at this moment ?						
Very low ☐	Low ☐	Slightly low ☐	Neutral ☐	Slightly high ☐	High ☐	Very high ☐	

4.2 Overall feeling

1	Do you comfortable now ?				
Very Uncomfortable ☐	Uncomfortable ☐	Just Uncomfortable ☐	Just Comfortable ☐	Comfortable ☐	Very Comfortable ☐
2	How do you feel skin moisture at this time ?				
None ☐	Slightly ☐	Moderate ☐	Profuse ☐		
3	How do you rate the overall acceptability of the feelings at this moment ?				
Acceptable ☐		Not acceptable ☐			

4.3 Thermal preference

1	What do you like to be about the temperature?			
Much warmer ☐	Slightly warmer ☐	No change ☐	Slightly cooler ☐	Much cooler ☐
2	What do you like to be about the humidity?			
Much increase humidity ☐	Slightly increase humidity ☐	No change ☐	Slightly decrease humidity ☐	Much decrease humidity ☐
3	What do you like to be about the air velocity?			
Much increase velocity ☐	Slightly increase velocity ☐	No change ☐	Slightly decrease velocity ☐	Much decrease velocity ☐

4.4 Others

Note…….

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