

# Review Article: Thermal Balance and the Role of Clothing on Thermal Comfort in Hot and Humid Climate

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## **Abstract**

In the recent year, human thermal comfort has been claimed to be an adaptive behaviour and controllable environment. Clothing is a controllable personal environment and it should play an important part in built environmental designs. The present study conducted an analysis that was divided into three sections. The first section examined the human thermal comfort evaluation on thermal balance equation. The second section described each term of thermal balance equation. The third section reviewed the role of clothing in parts of heat transfer. This review recommend that clothes property such as evaporative heat transfer resistance of clothing should be included into the thermal balance for thermal comfort estimation.

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