

INTRODUCTION

The idea to invent this product is inspired from the problem of wearing 'songkok' for a long period. Normally, after we wear 'songkok' for a certain period, the area inside 'songkok' becomes humid and hot and this will make the head feel itchy and uncomfortable. Even though the current design of 'songkok' has 2, 3 or 4 holes for ventilation, but this is not enough and sometimes the users still feel hot and uncomfortable. In order to avoid this, the designer has designed a 'songkok' that is equipped with a small fan to provide a good ventilation system to the 'songkok'. After surveys have been done, it is found that there is no invented product in the market similar to this yet. Therefore, initiative has been taken to invent it and hopefully it will give benefits and can be commercialized soon. The system comprises a small fan, a mini switch, 4 AAA size batteries and socket that attached to a normal two or four holes 'songkok'.

OBJECTIVES

- To design a comfortable 'songkok' equipped with mini fan for ventilation system.
- To solve problem of humidity and hot area inside 'songkok'.
- To develop a functioning end product that has high potential for commercialization

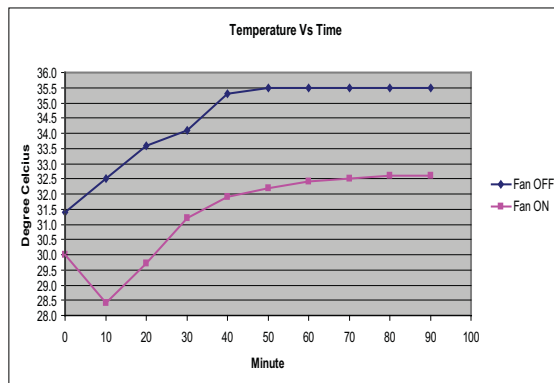


Table 1: Experiment Result



Figure 1: Charger and 4 AAA Batteries



Figure 2: Digital Thermometer Used to Measure Temperature



Figure 3: Songkok with Mini Fan



Figure 4: Inner Side

NOVELTY

This product uses only 4 AAA Size batteries which can be found easily in the market. The new attached system is light and users will not feel the difference in weight. By using this product, users will feel more comfortable to wear 'songkok' for a long period. After surveys have been done, it is found that there is no invented product in the market similar to this yet. Therefore, initiative has been taken to invent it and hopefully it will give benefits and can be commercialized soon.

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