ABSTRAK

Selain ramah lingkungan,pendingin udara *air cooler* juga hemat daya listrik. Penelitian ini bertujuan untuk mengetahui dan menganalisis pengaruh kecepatan aliran udara terhadap, (a) kondisi udara yang di hasilkan oleh *air cooler*. (b) pertambahan kandungan uap air diudara. (c) kalor yang dilepaskan udara untuk menguapkan air. (d) efektivitas pendingin udara *air cooler.*

Penelitian ini dilakukan secara eksperimen. Air cooler yang diteliti adalah air cooler yang ada di pasaran yang memiliki daya listrik rendah. Daya listrik *air cooler* sebesar: … watt. *Air cooler* memiliki panjang: ….cm, lebar… cm dan tinggi

… cm. Penelitian dilakukan dengan memvariasikan kecepatan aliran udara: (a)… m/det, (b)…. m/det

Penelitian memberikan hasil (a) *air cooler.* (b) efektifitas. (c) pendingin udara

Besides being environmentally friendly,air conditioner air coolers also save electricity. This study aims to determine and analyze the effect of air flow velocity on, (a) Air conditions produced by air coolers. (b) The increase in water vapor content in the air. (c) The heat released by the air to evaporate water. (d) The effectiveness of air cooler air cooling.

This research was conducted experimentally. The air cooler studied is an air cooler on the market that has low electrical power. The electrical power of the air cooler is: ... watts. The air cooler has a length of: ....cm, a width of ... cm and a height of ... cm. The study was conducted by varying the air flow velocity: (a) ... m/sec, (b) m/sec.

The research gave the results (a) water cooler. (b) effectiveness. (c) conditioning