

CHAPTER V

CLOSING

5.1 Conclusion

Based on the results of the research conducted, some conclusions can be drawn as follows:

1. The average output temperature (T_{out}) of the collector with 330 ml cans absorber reaches 71,38°C where this collector is 6,47°C higher than the collector with 320 ml can absorber which reaches 64,91°C.
2. The average absorber temperature (T_{abs}) of the collector with 330 ml cans absorber reaches 67,44°C where this collector is 4,3°C higher than the collector with an absorber can of 320 ml which reaches 63,14°C.
3. The average efficiency (η) of the collector with 330 ml cans absorber reaches 19,71 % where this collector is 2,61 % higher than the collector with 320 ml cans absorber which reaches 17,10 %.

5.2 Recommendations

In order to obtain maximum research results in the future, it is necessary to pay attention to the following points:

1. To get better performance data, it is necessary to add an analysis of heat losses that occur in the heat transfer process.
2. In the process of perforating cans, it is recommended to use a machine that has high precision to reduce flow losses in the absorber.
3. It is necessary to manufacture special tools that are integrated into the thermocouple thermometer and luxmeter so that the data obtained is more accurate