

CERTIFICATION OF APPROVAL

Effect of Varying Air Flow and Types of Paper on Heat Exchanger of Energy Recovery System

By

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CERTIFICATION OF ORIGINALITY

This is to certify that I am responsible for the work submitted in this project, that the original work is my own except as specified in the references and acknowledgements, and that the original work contained herein have not been undertaken or done by unspecified sources or persons.

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ABSTRACT

An air conditioner system is being used to maintain a comfort temperature inside the building. An air at ambient temperature that is being taken from outside will cause the air conditioner system more energy in order to cool it. The cooled air from inside the building will be blown out in order to sustain a better air circulation and quality inside the room or building. This study will discuss the best possibility in order to reduce the energy consumed by the air conditioner system in order to maintain the comfort temperature and air quality inside the building.

Chapter 1 will give a brief introduction on the background of the project. Besides, the problem statement of this project will be stated to address the main purpose and significance of conducting this research project. Apart from that, the objective of this research project and also the scope of study will also be presented.

A detailed literature review will be discussed in Chapter 2. In this chapter, the concept and basic understanding of the project is shown. This chapter will tell much on the findings of Z-shape heat exchanger based on the latest research done by scientists.

In Chapter 3, the research methodology, the experimental approach and procedures will be presented in detail to give a clear overview of the whole research project.

While in chapter 4, it will show the data that had been produced during the project. The sequential of formulas used in order to obtain the result will be discussed on this chapter.

On the last chapter which is chapter 5, a conclusion of all results and any findings will be stated there. Any new findings and result will be discussed on the next report.

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